

AZAD GROUP EDUCATIONAL INSTITUTIONS

(UNDER AUSPICES OF AZAD EDUCATIONAL SOCIETY)

AZAD INSTITUTE OF ENGINEERING & TECHNOLOGY (AKTU Code 053) □
AZAD INSTITUTE OF PHARMACY & RESEARCH (AKTU Code 197) □
AZAD LUCKNOW POLYTECHNIC (BTE Code 2725)

(Approved by AICTE/PCI, New Delhi & Affiliated to AKTU/BTE, Lucknow)

AZAD DEGREE COLLEGE, LUCKNOW (LU Code 1055)

(Permanently Affiliated to Lucknow University)

HIMALAYAN INSTITUTE OF PHARMACY & RESEARCH, DEHRADUN

Courses Offered

- B.Tech.
- B. Pharm.
- M.C.A
- B.COM
- Bio-Tech.
- D. Pharm.
- B.B.A
- BTC
- M.Tech.
- M.B.A
- B.C.A
- POLYTECHNIC

Approved by AICTE/PCI, New Delhi & Affiliated to AKTU/BTE & LU, Lucknow

Azad **E**ducational **S**ociety was established and registered under the Societies Act in Sept. 1991 under the Societies Registration act 1860. The Society was established with the main objective of development of social, educational and intellectual level of boys & girls. The Society also aims to develop new institutions for imparting higher education.

AZAD GROUP OF EDUCATIONAL INSTITUTIONS

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Er. Suhail Ahmad

Message From Executive Director

I am honoured to serve as the **Executive Director of Azad Group of Educational Institutions, Lucknow**. As we engage in bold new strategies to become a top tiered Group of Educational Institutions we must be inspired to achieve results. As we work to discover ways to change the world we must recognize we are interdependent upon each other for success. To realize actual and sustainable change in our attitudes and communities we need to

embrace our individual differences while celebrating our commonality. We realize that education is fundamental for the complete development of individuals. It is the holistic approach of education that holds meaning in our lives. So we give a harmonious personality development to our students to keep their body, mind and soul in unison. As we grow, we expand into new technologies, methodologies, disciplines, resources and even attitudes. We have a vision to develop an excellent center of professional education coupled with industrial interactions. This will be structured with the academic excellence that we have set for ourselves. The institute organizes programmes that highlight the fundamental values in life directing its students to achieve excellence in their respective fields.

To ensure that students and employees are provided an equal opportunity to succeed, our Group values diversity and inclusiveness, which go hand in achieving excellence.

When we value diversity we engage in differing perspectives realizing new ideas and opportunities. One of our core values is the belief that with education we can change our community and our world for the better. I believe when all people participate without regard to their race, national origin, gender, ethnicity, sexual orientation or disability we have the opportunity to make our world a better place for everyone. Here at Azad Group of Educational Institutions, we work to ensure that everyone is heard, allowed to participate and contribute based on his individual merits.

We have a great staff that is passionate about what we do. We provide training in all areas of need and upcoming challenges and policies. We develop new trainings for faculty, staff and students. Through these trainings we foster a campus and work environment that is more robust and focused on goals. In addition, we periodically communicate about our affirmative action plan and its goals and obligations.

We have enormous aspirations to realize the vision outlined above. We know our students, faculty and staff are entirely dedicated to achieving the highest levels of excellence. We live in an era of fierce global competition for talented students and faculty and require progressing improving facilities to conduct our educational and research activities. We seek your support, which is absolutely critical in accelerating our progress towards reaching our goals. We welcome you to our enterprise; join us as we advance to new frontiers of knowledge and education.



“we expand in to new technologies,
methodologies, disciplines,
resources and even attitudes”



Prof. Shafeeq Ahmad
M.Tech., Ph.D. Computer Sc. & Engg.
Director, ATC

Message From Director

“we concentrate on creating a mixed environment for students from various disciplines and develop an interactive digital learning environment both for the students and the campus.”

However, as you will find, to meet the employability requirements of today's jobs and to cater to the creativity requirements of tomorrow, education pattern is also changing. Azad has adopted a broad based approach to it which you will like. It concentrates on creating a mixing environment for students from various disciplines and on developing an interactive digital learning environment both for the campus and the network.

We hope this will also help us in providing a globalized education environment and in keeping the students and the faculty both on the path of exploratory learning.

We have tried hard to keep humility and transparency at the core of all our interactions with the students as well as faculty and staff. In fact I believe that the students find resonance in the activities of faculty and help us in evolving an atmosphere conducive to trust the professional growth.

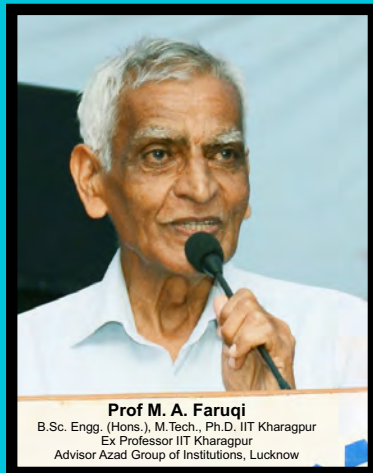
Once on the campus you will find it possible to engage in a variety of activities which make life interesting and provide opportunities to evolve and build character and attitudes and develop ideas. I hope that your journey of exploration and discovery launched at Azad turns out to be a satisfying one. Good luck.

I welcome you to Azad Group of Educational Institutions, Lucknow. The Azad Group of Institutions have been setup around a core of a multidisciplinary Technical Campus, which is regarded as the most suitable form of institution for imparting professional education.

The expansion in higher education has been very rapid as India has been trying to improve its graduate enrolment at the institutions. It is believed that a high rate of economic development is not possible without a large proportion of graduates in the work force.

Meeting The Challenges Of 21st Century

A message for the young students joining Azad



I have the pleasure of welcoming you to Azad Group of Institutions for higher studies. Education today has wider perspectives. It stands for more than obtaining a degree and getting a job. We hope that all of you, in course of time, will be involved in some way or other towards solving problems of the society and in creating a better future.

Academic environment has been changing the world over in pursuit of new dreams, new ways of catering to social needs and pursuing innovations. The digitization and virtualization of academic activities alone in the last two decades have transformed the educational scene and they are now making it possible to universalize higher education and have a large mass of educated people for economic development.

Entrepreneurship related activities, which were once regarded to be relevant only to major universities as an extension of their innovation related activities, are sweeping like a wave through the educational campuses. In fact, it is being argued that it is only through the institutions using their knowledge base and their young enthusiastic students in entrepreneurial activities that the tough problems of job creation, environment, poverty and health can be addressed.

Considering the changed expectations it is now for you people to think of possibilities of a life of thrills, self realization, and adventure. It may be good to remember that over 90% people in U. P. are self employed anyway.

India is very strong in code writing and computer related activities. It may be next only to The United States. Further, India is acknowledged as a 'Soft Super Power', meaning that it can seamlessly apply I. T. in areas like film making, fashion, animation, music and other cultural areas. It is in these areas where the entrepreneurship possibilities are most visible and it is only a matter of time before they get harnessed and new ecosystems are created.

Azad Educational Society has firmly resolved to encourage entrepreneurship promotion activities at all levels. We believe that besides changing the thinking it improves the employability of students, their soft skills and the world view as well. I hope you may find the life at Azad more exciting, challenging and geared to future.

AZAD IS DIFFERENT: VISION 2024

It is a perception at Azad that the professional education is passing through a phase of dramatic changes which are not avoidable any more

All tomorrow's professionals will have to be educated broadly in inter-disciplinary settings:

- **To be able to relate to real world problems and issues in energy, environment, sustainability and social justice.**
- **To be able to cope with complete digitization of profession and internationalization of jobs.**
- **To be able to think independently from day one and develop an entrepreneurial attitude.**

We believe that the days of assembly line jobs are finally over. Even if the new route is tougher, in the end it is far more challenging, satisfying and adventurous. This is calling for a change in thinking about education. Today we don't have to think of a student as just as B.Tech student who will pass out eventually.

We have to think that very soon he will be a professional, not necessarily with an M.Tech or MBA degree, but due to high end training at work, through taking digital online courses and through short term courses etc. He will be doing the complex jobs with or without the degrees. He has to be trained differently.

A CHALLENGE AND AN OPPORTUNITY

Trends suggest that students have to prepare to become a future professional and not just a job seeker.



Azad Technical Campus located in Southern Lucknow, is giving a high priority to train its students to play a meaningful role in upcoming digital cities through focus on: integrating technologies, field experience, community services contacts with civic leaders and its alumni etc.

The Charms and Challenges in Professional Education

The charm of remain strong, in spite around 700,000 of the engineers may expect related jobs. . The other half careers, where choices background, family history specialization. With the Indian economy and the and institutions, today there the specializations in arts, biology, etc. Significantly who are deeply educated, not shy of R &D and can do with some Imagining and giving form science remains the major this activity is growing increasingly challenging. age old problems of health and empowerment, it o f e n v i r o n m e n t , instability. Experts are of the playing important new roles



code writing ,and not just using a software, will be a requirement for all professionals. Satya Nadella, the Indian born CEO of Microsoft feels that code writing requires imagination and creativity similar to what is needed for writing poetry.

It is expected that this observation may boost the confidence of people from this region, towards code writing, as they are very conscious of their poetic heritage. There are serious predictions (e.g. The Economist) that within a Decade a tsunami like wave will be compelling digitization or else annihilation of all jobs .It thus appears that this is a time to take higher education seriously. In spite of all these the problem of differences in perceptions between industries and institutions is still a very important factor in engineering education. Industries continue to expect readymade engineers for specific jobs to come out of colleges, while colleges will like to give education that lasts long and encourages adaptability. It is this flexibility and adaptability and logical thinking that provide all the charms in engineering education as it also helps in pursuing non-engineering careers and entrepreneurship etc.

engineering T continues to of the fact that India produces engineers per year. Nearly half and get satisfying software may get into a great variety of depend on gender, urban/rural and of course on the branch of increasing sophistication of start of many new universities is plenty of scope for jobs with science, commerce and there are many jobs for people

and multi-disciplinary ideas adventure.

and shape to ideas from activity for engineers. Today exponentially and becoming While providing solutions to generating wealth, providing is also creating new problems urbanization and social opinion that computers will be in these activities and thus

Azad Group of Educational Institutions, Lucknow

Members of Board of Governors

S.No.	Name of Members	Designation
01.	Er.Suhail Ahmad Executive Director, AGEI, Lucknow	Chairman
02.	Er.Jamal Ahmad Vice Chairman, AES, Lucknow	Vice Chairman
03.	Mr.Shakeel Ahmad Social Service	Member
04.	Prof.(Dr.) M.A. Faruqi Advisor, AES, Lucknow	Member
05.	Prof. M.Y. Khan Dean(Department of Biotechnology & BBA)	Member
06.	Prof.(Dr.) Imtiyaz Ahmad Director,(AIPR), Lucknow	Member
07.	Prof.(Dr.) Syed Hasan Shabbir HOD, MBA, AIET, Lucknow	Member
08.	Er.Arif Siddiqui Service	Member
09.	Er. Abdullah Suhail Associate Director, AGEI, Lucknow	Member
10.	Mr. Mohd. Umar Dean, Student Welfare, AGEI, Lucknow	Member
11.	Mr. Umar Suhail Director (Development), AGEI, Lucknow	Member
12.	Prof.(Dr.) Shafeeq Ahmad Director, Azad Technical Campus, Lucknow	Member Secretary

Why Study at Azad

Yes indeed, it is a big problem for the students to decide where to study and what to study. With increasing universalization of higher education options are many both in terms of disciplines and the places of study.

If you gaze at the crystal ball or so to say listen to experts you may find that they predict increasing globalization of jobs and infusion of IT and Biosciences in new activities which in turn may demand more creative skills from students to succeed. By the time you finish your studies emphasis may be on cloud computing, analytics, virtualization, services, health, security and the environment, etc. That is where you have to locate your dream job.

Azad group of institutions is trying to create their relevance in a variety of ways. Some of these are:



Emphasis on postgraduate programs as its spillover effect improves the UG education as well. It is besides the fact that for many jobs UG degrees may not be enough.

Broad based admissions (that do not depend only on academics) to increase the diversity and thus improve the learning and interaction environment. To overcome the deficiencies a 'Finishing School; concentrating on English, Maths and Mechanics is organized before the start of regular classes.

Merging entrepreneurship development activities with the normal course work as per the international trends. However, it makes sense if it is recalled that over 90% people in U. P. are already self employed.

Creating a digital learning environment. It is little more than encouraging the use of Laptop computers. It is about providing the course work, the networked environment, global contacts, virtual laboratories and entrepreneurship development opportunities.

Strengthening the Lucknow Connection. Being located in Lucknow city the institutions plan to involve themselves in a variety of cultural activities to help students acquire depth and dimension in their personalities, develop a value system and score on employability parameters.

Encouraging education of girl students. the Relative backwardness of U.P. has been often ascribed to insufficient emphasis on the education of girls. Azad offers many concessions and encourages it in a variety of ways, besides providing safe and secure environment. If some of the themes mention above interest you then you can gain much at Azad and your stay is likely to be happy one.

Er. Jamal Ahmad, Vice Chairman, Azad Educational Society, Lucknow

A Technical Campus: Where Does It Lead To?

There is widespread belief that the employability of graduates produced in India is low. The limitations become more visible when students take up jobs with multi-nationals or go to other countries. Most colleges are not yet serious about it as their focus remains on first year's results or vaguely on placements. Employability skills generally refer to the students being able to communicate with others, being able to use modern computer tools and having sound ideas of professional ethics etc.

The fact is that employability skills that should have come naturally to students have become tasks to be learnt. This is primarily due to the emphasis of professional education through small affiliated institutions which are not in a position to provide wider exposure. Although these institutions give emphasis on labs, projects, seminars, tours and cultural activities etc. but apparently it is not enough. That is where the roles of universities and to some extent the roles of the newly thought of Technical Campuses come in.

To reduce the cost of education, and to provide a better environment, All India Council for Technical Education (AICTE) introduced the new scheme of Technical Campus in the year 2009-10.

A Technical Campus is created, out of a set of professional institutions of an organization, by breaking the walls between them and integrating them into a





university like common administrative and academic setup. This intermixing across the disciplines helps in evolving a vigorous and vibrant atmosphere conducive to enquiry, learning and the development of ideas, informed outlook and versatile personality of the students. These processes may be furthered by running more inter-disciplinary programs, providing common places for all students' activities and digitalizing the teaching/learning processes etc. It may thus acquire many features of a Deemed University. The next step may be to convert it into a full university. In fact Azad is actively working towards transforming its Technical Campus into full fledged State University to be known as AZAD UNIVERSITY. Through the University it may be able to provide more relevant education to the region with emphasis on entrepreneurship, social inclusion and digital learning. The Azad Technical Campus presently integrates the teaching of Engineering, Pharmacy and Management disciplines with the joint operation of its four institutions:

1. Azad Institute of Engineering & Technology, Lucknow
2. Azad Institute of Pharmacy & Research, Lucknow
3. Azad Lucknow Polytechnic
4. Azad Degree College

These institutions are already getting the benefit of being set in 55 acre green campus and U.G. education with a backdrop of P.G. education.

Vision, Strategic goals, Mission



Vision

To transform the present organization into a modern multi-role Institution engaged in teaching, research and entrepreneurship activities at national and international levels by accepting the challenges that are embedded in this new defined role.

Strategic goals

- To be recognized as a premier organization in providing the best undergraduate and post graduate studies.
- To establish and maintain infrastructure that are second to none in supporting the accomplishment of the college's vision and mission.
- To develop and support a diverse community of exceptional faculty, students, and staff.
- To have the most diverse student population in the region.

Mission

To provide a technical educational environment where the discipline, dedication and talents of students and faculty members are developed and used to generate new knowledge and technology for the benefit of society.

Azad Institute of Engineering and Technology (AKTU Code-053)



Azad Institute of Engineering and Technology (AIET) based at Lucknow, Uttar Pradesh. A venture of the renowned AGEI group, the Institute has established itself as a high quality education provider with prime focus on holistic learning and imbining competitive abilities in students.

The Institute is approved by AICTE, affiliated to Uttar Pradesh Technical University and is accredited by NBA prides itself in being the multi-discipline campus in Lucknow, spread in the lush green ambience of Azad Technical Campus and equipped with best in class facilities, infrastructure and an acknowledged reputation for excellence in research and teaching. With its outstanding faculty, remarkable teaching standards, and innovative training programmes, AIET intends to set a new benchmark in the Indian education system.

Computer Science & Engineering & Computer Applications

An overview:

Computers form a part of the unfinished revolution in human history as systems that can execute knowledge (run programs or machines) and produce new knowledge. Creation and use of such systems is likely to remain a high priority effort by all countries. Besides the industrial activities like storage and use of data and their inter-connections, professionals are forever busy in devising algorithms and creating hardware to solve bigger and more complex problems. These could be like modeling earth's climate, financial systems, drugs response, natural language understanding and security issues etc. Careers for fresh graduates in industry often start as programmers, software developers, technical trainee etc., but learning and up gradation of skills are almost continuous activities. People get specialized in different areas and often go for further education/ degree as well. The areas may include software architecture, information systems, programming languages, verification, security and computational intelligence etc.



Programmes at Azad:

Azad offers three post graduate and two undergraduate programmes in this area. We believe that students passing out from Azad are at par with international levels and have capability to independently design, develop and implement solutions. They have been regularly employed by all major software organizations in India. Some of the multinational companies that have hired from Azad are Microsoft, Intel Corp.,

Oracle and IBM. There is a large scope of employment and entrepreneurship in activities initiated by the State Governments as well in the areas like e-governance, e- health management and e- education besides the management of administrative data.

The Departments also encourage the students to take up training and certification activities in professional areas with the help of specialized outside organizations to increase employability.

Programs at Azad Technical Campus

UG PROGRAMS

- ❖ B.Tech.Computer Science & Engineering
- ❖ BCA

PG PROGRAMS

- ❖ M.Tech. Computer Science & Engg.
- ❖ MCA: Master of Computer Applications

U.G. Programmes:

The two undergraduate programs offered by Azad have a lot in common. The UG programme of Computer Science (offered by Department of Computer Science) stresses more on computer hardware, chips, computational theory and Artificial Intelligence etc. The programme on Information Technology (offered by the Department of Information Technology) concentrates more on application softwares, language, database, infrastructure and network etc. Both UG & PG programmes have demand in industry.

P.G. Programmes:

M.Tech- Distributed Systems/ Computer Sc. & Engg.:

The Postgraduate program on Distributed Systems has been tailored keeping the current

industry requirements for handling of big data and data analytics etc. in mind. The programme is organized with few compulsory courses and large number of electives.

Master of Computer Applications (M.C.A.): This is a two year cross migration P.G. Programme.



Undergraduate students from any discipline (with Maths as a subject 10+2 level) can join this programme and get specialized in Computer Science. A years internship, often carried out at reputed organizations, is included in the programme. It has been helping the students in securing proper employment. This programme is offered by the Department of Computer Applications.

The Infrastructure:

The facilities in the departments are organized as per AICTE and AKTU norms and all the departments have N B A - A I C T E accreditation besides the

approvals. The Departments provide Computer Programming lectures and laboratory practices for first year students. There is a heavy stress on coding and learning of languages. The departments have **Operating Systems Lab, Information Technology Lab, Computer Graphics Lab, Digital Image Processing Lab, e- Commerce Lab, Data Base Management Systems Lab etc.** Considerable emphasis is placed on undergraduate projects activity by encouraging work on new ideas, providing separate laboratory spaces and resources and monitored by faculty.

Electrical Engineering

An overview

Electrical Engineering deals with the application of electricity, electronics and electromagnetism towards developing and deploying production, generation and distribution of electrical energy systems. Its scope continues to expand in India as per capita availability of energy is still very low in the country.

Energy along with the environment is major areas of concern as well as of activities for human beings and their importance is not likely to come down in up coming days. The activities in the area are dominated by the development of Intelligent Grids, Power and Grid Control Systems, High Voltage Systems, Renewable Energy Sources and Energy Management and Pollution issues, etc.

The complexity of the field leads to considerable scope of higher education and further specializations within or outside the country.



The no. of programmes and the variety available from various institutions in the country is very large. Much of the world does not separate electrical engineering from electronics engineering and that adds to additional possibilities of new careers at the intersection of two disciplines. A composite B.Tech programme of Electrical and Electronics Engineering is being started at Azad as well.

The undergraduate programme of Electrical engineering at Azad has received the NBA accreditation, signifying the quality of the programme and the availability of the necessary infrastructure and qualified faculty. This has been borne out by the fact that Students passing out from the Azad have found employment in organizations like TATA, Reliance, JP etc.

Programs at Azad Technical Campus

UG PROGRAMS

B.Tech.

- Electrical Engineering.

PG PROGRAMS

M.Tech.

- Power Systems Engineering.

besides getting into software organizations. (Apart from teaching and research, the faculties are actively involved in organizing technical workshops, camps and visits at the Industries to create an environment conducive to experiential learning.)

Courses Offered:

The Department offers one undergraduate programmes : In Electrical Engg. A Post graduate Programme in Power Systems Engg.

B.Tech. Electrical Engineering: It is a regular four year programme geared towards jobs in industry and state and central government's corporations. However, with an emphasis on computers and coding students are able to get into the software industry as well. All students have to undergo through industrial training during the summer breaks.

M. Tech. Power Systems Engg: Power Systems Engineering is a core discipline and specializations which are needed due to complex responsibilities. It can be easily seen that apart from technological and analytical skills, knowledge about public policy and social needs is also needed to carry out projects. Course work at Azad heavily relies on simulation activities to develop the propositions.



Infrastructure:

There are six suitably equipped undergraduate laboratories stressing on the fundamentals as well as industrial practices and professional requirements as per the Abdul Kalam Technical University norms. Laboratory facilities and training includes software like MATLAB, PS -Pice and other packages for design and project related activities. However, there is a strong emphasis on writing codes to carry out new and innovative activities.

Career Opportunities:

Electrical and Electronic Engineering being basic disciplines are needed in a big way in infrastructure creation. Their demand is not likely to come down for long time as India catches up with other countries in power use and level of automation. Quest for renewable energy sources provides an added impetus. Demand for well trained electrical engineers is quite high in the world as Indian engineers are finding good employment opportunities in nearby countries as well. Apart from production and distribution of electricity they are also needed in fields like data warehouses, telecommunications, manufacturing, and aerospace etc.

"Many of life's failures are people who did not realize how close they were to success when they gave up."

-Thomas Edison

Electronics Engineering

Digital Dreams Moving Towards Reality

In the next few years, the largest expansion in opportunities and employment is expected to be in electronics related areas as India revamps its efforts towards chip making and electronic products development. Comparison with China shows that this is a crucial thing missing here. India is likely to deploy its code generating power here with telling results.

An Overview:

Modern Electronics, Communications and Instrumentation Engineering disciplines were born after the invention of transistors (Mid 1950s) and subsequent development of Integrated Circuits, Digital Communication and Instrumentation Systems.

Reports show that a large part of the world's research budget is used in developing and using increasingly sophisticated electronic systems. The primary goal of electronics and related disciplines remains connected to computation, communication, information storage, networking, security and safety activities.



Large scale use of Internet and Networking, Mobile Phones and Social Media have brought a new life and vision around the communication and human computer interaction technologies while they continue to evolve rapidly.

Specializations popular for further studies in the country in Electronics and Communication areas are VLSI (Very Large Scale Integrated Circuits), Microelectronics, RF and Microwaves, Fiber Optics and Power Electronics etc. That is besides branching over to software disciplines. New specializations are emerging in the areas of Biomedical Engg. and Nano Technologies etc.

Modern Instrumentation Engineering is an art and a science of measurement of variables in processes and systems towards being able to control it. Mankind's progress has always been catalogued through its ability to

measure, starting from distances, time etc. In past to today's nano and pico second events in nuclear research.

Programs at Azad Technical Campus

UG PROGRAMMES:

B.Tech.

- Electronics Engineering

PG PROGRAMMES:

M.Tech.

- Electronics Instrumentation and Control/
Electrical Engineering

The infusion of digital techniques and control technology into instrumentation makes it one of the most sophisticated discipline in Engineering. Possibly the largest number of M.Tech. and Ph.D's are globally produced in controls related subjects. Accordingly, higher education prospects in this area within the country (through GATE) and in the world (through GRE TOEFL) are good. Azad Technical Campus offers three closely allied UG programmes in Electronics, Communication and Instrumentation areas and a Postgraduate programme in Electronics Instrumentation and Control.

Programmes Offered:

Electronics Engineering (U.G.):

This a full time four years programme being run by Azad for the last sixteen years. It has N.B.A. quality accreditation and the required AICTE approvals etc. Along with the international trends the overall focus of the course remains on design , development ,testing and maintenance of assemblies and systems used in computers, electronic



communication , navigation and industrial systems etc. Due to a rather diverse areas of activities of an electronics engineer, the curriculum emphasizes on broad based studies and easy mixing with subjects from computer science, instrumentation other disciplines. With the change in national priorities which are now emphasizing job creation and manufacturing the department hopes to add new subjects on chip design and fabrication, M E M S , V L S I manufacturing and testing etc.

The job market has been good for electronics engineers. Students may find employment in organizations associated with refineries, power plants, aircrafts, nuclear plants, space missions, computer peripherals,

software, automobiles and biological systems etc.

Many multinationals operating in India such as SISCO, Motorola Texas Instruments, IBM and HP etc. often interact with the institutions for recruitment.

The job market scene is expected to improve significantly in days to come as India expands its areas of operations. Electronics is a basic discipline and thus the prospects of further education and specializations beyond the B.Tech. degrees are popular and could be paying. Going for P.G. education and research in this discipline is very common in most countries.

he programme has the regular AICTE approval and the affiliation from the AKTU, Lucknow.



This course provides Instrumentation students with sound theoretical & practical training in the operation and design of electronic instruments, digital logic systems and computer based automatic process control systems using analog and digital technologies etc. To prepare well rounded professionals, students are required to go through the courses emphasizing use of Digital Signal Processors, Microprocessors and Microcontroller Systems etc. The Instrumentation Technology, being an inter-disciplinary branch of engineering, is heading towards development of new & intelligent sensors and smart transducers using MEMS bio and nano technologies etc.

"It has become appallingly obvious that our technology has exceeded our humanity."

-Albert Einstein

Job market for electronics engineers is quite vast. Students passing out with this degree have been employed by a variety of organizations starting from software organizations to public sector and defense organizations. Bulk of the students have been going for process control industries like Steel Plants, Fertilizer Plants, Chemical Plants, Refineries, Cement Manufacturing Plants, Pharmaceuticals, and Biomedical units etc.

Infrastructure:

The departments have established all the laboratories required as per the curricula like Electronics Lab, Communication Lab, Analog Circuits Lab, Digital Circuits Lab, Microprocessor Lab, Electronics Workshop and PCB Lab, Microware and Optical Communication Lab, and Signal Processing & Simulation Lab.

Electronic Instrumentation and Control / Electrical Engineering (P.G.): The programme has the AICTE approval and UP Technical University affiliation. This two years programme concentrates on providing environment for the students to develop high end skills in demand like Modern Control System Design, working with Intelligent Instrumentation and Embedded Systems etc. The programme is offered in a flexible way with large no. of electives.



“Nothing is too wonderful to be true if it be consistent with the laws of nature.”

-Michael Faraday

Civil Engineering

An Overview

The department started in the year 2010. Civil engineers plan, design, develop, build, manage, rehabilitate and operate the physical elements of the human habitat. Almost every aspect of everyday life is impacted by projects conceived, designed and constructed by civil engineers. Civil Engineering, like all other fields, is comprised of many sub disciplines. Primary areas of concentration includes transportation, geotechnical, environmental, structural engineering, and construction engineering and management. Perform engineering duties in planning, designing, and overseeing construction and maintenance of building structures, and facilities, such as roads, railroads, airports, bridges, harbors, channels, dams, irrigation projects, pipelines, power plants, and water and sewage systems.

Courses Offered:

The Department currently offers a full - time undergraduate (B.Tech.) to contribute towards innovation and future excellence. The department arranges STTP, workshops, seminars and guest lectures for its students. Considering social responsibilities ,department also arranges periodical training programs and industrial visits for useful technologies and skills.



Programs at Azad Technical Campus

UG PROGRAMME
B.Tech.
Civil Engineering

Laboratories:

To impart practical knowledge, department has established eight state of art laboratories as per curriculum namely: Fluid Mechanics, Building materials lab, Surveying lab, Structural Analysis lab, Geoinformatics lab, Structural detailing lab, Transportation lab and Quantity surveying & Estimation. The curriculum of all the labs in the department is strictly according to AKTU syllabus and as per AICTE norms. The lab facilities and the infrastructure are regularly upgraded and are well supported by the institute and the industry.

Career Opportunities

There is huge demand for civil engineers in India and abroad and it is also expected to get a boost as the country gets ready to upgrade its infrastructure with growing economic and political clout in the world. The career opens a lot of opportunities in numerous government departments. Civil engineers are employed in all major construction projects carried out by central and state government agencies. The Real Estate boom has created almost 24% job opportunities. There are equally good opportunities in the private sector for civil engineers. A major opening for qualified civil engineers is also in armed forces. Last but not the least one can set up his/her their engineering consultancy. Most universities today offer a variety of post graduate programs and opportunities for research in Civil Engg. Specializations in Structural Engg, Environmental Engg, Water Resources Engg. and Urban Planning are common.



Mechanical Engineering

An Overview

Mechanical and Production Engineering are basic and an evergreen branches of engineering. While they have been at the forefront in solving problems of humanity they are also looked upon as creators of the problems related to environmental degradation and earth warming etc., leading to challenges and complexities in their roles. Mechanical Engineering deals with the development of machines, energy systems, manufacturing and production processes through the disciplines of mechanics and design, thermodynamics and fluid flow and materials and production processes etc. Of late it has been re-energized through the development of robots, flexible manufacturing systems, space systems, alternative energy systems, micro-mechanical devices and bio-inspired systems, etc. New developments have often used the paradigms of Computer Aided Design, which also brings in new forms of integration and internationalization. Large numbers of postgraduate programmes are available inside and



outside the country. Some popular specializations are CAD of Mechanical Systems, Dynamics of Systems, Thermal Systems, Solar Energy systems, Non-conventional Energy Resources, Manufacturing Systems etc.

Mechanical engineers are welcome to great variety of jobs in energy, environment, automotive, manufacturing and services sectors. Jobs in engineering continue to be more secure and well paid as compared to other professions.

The bachelor's programme of Mechanical Engineering established in 1998 at Azad has been one of the sought after programmes in the Campus. It has been accredited by the National Board of Accreditation.

Programmes Offered:

The Department of Mechanical Engineering has expanded considerably in the last few years. Currently it offers a Diploma Programme (details can be found in

Programs at Azad Technical Campus

UG PROGRAMME

B.Tech.

- Mechanical Engineering

PG PROGRAMME

M.Tech

- Industrial and Production Engineering.

the Diploma Section), a U.G. Programme in Mechanical Engineering and PG Programmes in Advanced CAD and Industrial & Production Engineering.

NBA AICTE ACCREDITATION: B.Tech Mechanical Engg.

It ensures that all aspects of teaching and learning processes are in place. What the student studies will be able to apply in industry.

B. Tech. Mechanical Engineering (U.G.): This is the core programme of the Department and generally follows what may be called internationally compatible curriculum towards meeting the employability requirements in other countries as well.

This has led to focus being kept on evolving problem solving skills, interaction skills, code writing capabilities and professional ethics.

In fact efforts towards this target start from the first year through the 'Finishing School' approach.



M. Tech. Industrial and Production Engg. (P.G.): This programme is tailored towards working professionals and runs as evening programme. The focus of this programme is on optimization, simulation, project planning and other areas relevant to industries.

Career Opportunities: Mechanical Engineering offers rather vast employment opportunities. It has been a very flexible discipline and has adapted to work in a great variety of areas. The early integration of computers in the discipline has opened up vast areas. In fact the basic disciplines of mechanics, fluid flow and thermodynamics are as such needed everywhere.

Demand for Mechanical Engineers has been steady in the country and it is likely to continue as sought after branch for a long time. Graduates from Azad today are serving in practically every sector of employment.

Strong linkage of mechanical engineering to other disciplines encourages broader thinking and often helps in evolving

entrepreneurial spirit. In fact, getting into entrepreneurship is never a very distant possibility for Mechanical Engineers.

Department of Biotechnology

An Overview

Biotechnology is a multi-disciplinary area on the educational scene and programmes have been developed to meet the growing demand for training manpower for any meaningful Biotechnology activity. The Government of India has allotted high priority for the development of Biotechnology and its exploitation in agriculture and other related disciplines. Students are exposed to related knowledge, techniques, practical skills and issues pertaining to the advancement and development of biotechnology, locally and globally. This programme also cultivates soft skills and fundamental skills in the areas of management and entrepreneurship that are essential in their future working environments.

Biotechnology is the application of biological organisms, systems or processes to manufacturing industries. Biotechnology firms will rely mainly on inexpensive substrates for biosynthesis, processes that will function at low temperatures, and will consume little energy. There will be numerous industrial activities that will be affected by the biotechnological advances mentioned above.



These will include human and animal food production, provision of chemical feedstocks to replace petrochemical sources, alternative energy sources, waste recycling, pollution control, agriculture, and new products to aid in the advancement of medicine, veterinary sciences, and pharmaceuticals. New tools and products developed by biotechnologists are useful in research, agriculture, industry and the clinic. Biotechnology is a relatively new area and will require a skillful control of its development.

Courses Offered

The Azad Technical Campus offers B.Tech. in Biotechnology for aspiring students. The programme has been launched with a vision to be recognised as a Department of International repute with a strong interdisciplinary research and

teaching base in biological sciences and engineering and an active collaboration with industries and healthcare institutions. B.Tech. Biotechnology is exclusively focused

Programs at Azad Technical Campus

UG PROGRAMME

B.Tech.
Biotechnology

on bridging bio - sciences and engineering. Multiple paths have been embedded in the design of the curriculum and created a flexible educational experience comprising biosciences credentials like microbiology and immunology, biochemistry, molecular biology & genetic engineering, plant and animal cell & tissue culture, genomics and proteomics, IPR and bioethics and Bioengineering like Bioprocess technology, downstream processing, unit operations along with chemical engineering, mathematics and basic engineering subjects.

Infrastructure

The Biotechnology laboratories are specialized and equipped to conduct advanced practical and research work. The Department has well-equipped laboratories with all modern facilities

like Plant Biotechnology, Plant Tissue Culture, Downstream Processing, Animal Cell Culture, New Drug Discovery & Innovation, Bioprocess Engineering, Biochemical Engineering, Biochemistry, Microbiology, Immunology, Cell & Molecular Biology, Genomics, Environmental Biotechnology, Enzymology, Bioremediation, Nanobiotechnology, Recombinant DNA technology, etc. The laboratories are equipped with state-of-art equipment like Gel documentation system, CO₂ Incubator, -40o C Refrigerator, Elisa readers, Ultracentrifuge, Tissue Homogenizer, UV-VIS Spectrophotometer, Inverted Phase Contrast Microscope, PCR, Refrigerated Centrifuge, B.O.D. incubator, Metabolic Shakers, Electrophoresis systems (vertical and horizontal),



Shaker Water Baths, Media Filtration systems, Plant Growth Chambers, Fermenter. Biotechnology department is fully WI-FI enabled and has a sophisticated and well equipped Seminar hall.

Career Opportunities

There are many good job opportunities available after completing B.Tech Biotechnology. After multimedia industry, Biotechnology is ranked second as the growing sector with a tremendous employment potential. After completing your B.Tech, you can seek employment in leading Indian or multi-national companies. You can apply for jobs in a range of industries dealing with pharmaceutical, Dairy, Brewery, Cheese, Baked Products, Fertiliser and Chemical

Companies, especially in the R&D department or the quality Control, Bioprocessing and agriculture products. You are also eligible for opportunities in government research and development organisations. Some companies that hire biotechnologists are Nestle, Cadbury, Bincon India Limited, Dr. Reddy's, Cipla, Indian Vaccines Corporation, Hindustan Antibiotics, Sun Pharma, Cadila, Hindustan Lever, Thapar Group, Indo American Hybrid Seeds, Bivcol, IDPL, etc.

Some job roles you can assume are Research Scientist, Research Associate, Marketing personnel, Business Development Officer, Sales Representative and Biotech Engineer.

Business Management

An Overview

Relentless globalization and network based operations, continuous introduction of new technologies have transformed Management activities in a big way in the last two decades. Understanding of finance, accounts and economics is not enough. Today management is more about strategies, logistics, branding, building partnerships, delivering services and experiences and virtualization of operations etc..

Accordingly, business education has become the most internationalized education today and actively solicits diversity and the experience of the participants.

Programmes at Azad

There are a large no. of institutions in the city offering management programs. In spite of the fact that Lucknow's population is crossing 50 lakh, there are not many opportunities in the corporate sector, often focused by institutions.



However Lucknow has a significant population working in trade, tourism, hospitality, telecom, health, real state etc. through small organizations . Further , new opportunities are also being created with fashion, apparels, digital governance, digital marketing, telemedicine, code writing, animation, films , and advertising etc. It is Azad's endeavour to be relevant to this sector.

Meanwhile a new culture of entrepreneurship at academic institutions is sweeping across the world and it calls for its initiation into business schools. Issues in PPP (Public Private Partnerships), Social Entrepreneurship and Corporate Social responsibility

have become important and need to be addressed in business schools.

Programs at Azad Technical Campus

UG PROGRAM

BBA : Bachelor of Business Administration

PG PROGRAM

MBA : Master of Business Administration

Dual Specialisation in :

- Finance
- Human Resource (HR)
- Marketing
- Information Technology

Once Again on The Highway

India is poised once again for 8 to 10 % GDP growth as western economies are moving out of recession like atmosphere and China is revamping itself.

India itself is set for further liberalisation and market driven growth. One can infer that there will be plenty of opportunities for suitably trained MBAs in the days to come.

Considering all these factors Azad has decided to concentrate on the four streams of education, comprising of a U.G. and PG programmes in Management, a short term programme on Corporate Social Responsibility and the start of a Digital Entrepreneurship activity.

Bachelor of Business Administration: Bachelors level programmes of management are quite popular, perhaps with the perception that it gives a better background to get into MBA after acquiring some experience.

Programme at Azad runs with affiliation from Lucknow University. In the open and vigorous atmosphere of Technical Campus students get opportunities of meeting a variety of students which helps them in professional development. Many of them are able to secure jobs while still in the campus.

Master of Business Administration: This is two years full time flagship programme of Azad Tech. Campus, started ten years ago. It has reached a level of maturity and quality that has led to its accreditation from NBA (National Board of Accreditation). The programme is approved by AICTE and runs under affiliation from UPTU, Lucknow. The programme offers specializations in Marketing, Finance, Human Resource Development, International Business and Information Technology.



In the classroom teaching is supplemented by internships during the summer months. The teaching strategies employed include classroom lectures, case discussions, term paper and seminar presentations besides computer based interactive learning and gaming and simulation based visualization etc.. To supplement the abstract knowledge with practical inputs, visits to various organizations and industrial units are also arranged.

Admission Process: The seats available with the programme are filled by two different processes. Half the seats are filled with the competitive test conducted by AKTU known as UPSEE (UP State Entrance Exams).

The other half of the seats are filled through Combined Entrance Examination (CEE) which is conducted every year by Azad Technical Campus. Both the tests are open to graduates of all branches. Laboratories/ Facilities: Fully equipped Computer and Simulation Labs, Departmental Library and Interaction Spaces and

Seminar Halls, etc. are available to students., in addition to the Central library and Digital Learning Environment of the Technical Campus.

It is expected that with the new emphasis on growth and development and job creation it will improve further and new areas of recruitment will open up.

Azad Institute of Pharmacy & Research

An Overview

Pharmaceutical Sciences deal with the discovery, testing, packaging and delivery of drugs. As expenditure on health related issues is rising in every country, the discipline is expected to provide a wide variety of satisfying employment opportunities.

The range and the option of new careers goes up with several specializations at postgraduate levels available in the country. Going abroad for further education a realistic option, as many multinationals operating in India require high level professionals for research and R&D. Branching into Clinical Research and Health/ Wellness areas is also popular. It is one of the disciplines where postgraduate education dramatically changes career options, job potentials and employability. Students from this Institute have found employment in companies like Novartis, Cipla, Dabur, Hamdard etc. besides working in local companies dealing with alternative systems of medicine. A very large new arena of health care is taking shape in the country with the rising affluence.

It starts with chains of hospitals, medical tourism, digital health management, mass screenings, and insurance etc.



The Discipline of Pharmacy at Azad:

The Azad Institute of Pharmacy and Research was launched in the year 2004 and a bachelor's level programme (B. Pharm.) was started. The necessary infrastructure was created as the programme progressed. It was started with AICTE's approval and affiliation from AK Technical University. In course of time it acquired the all important approval from the Pharmacy Council of India, signifying the availability of proper faculty, the laboratory resources and the stress on the teaching learning processes. With the satisfactory reception of graduates from Azad in the market, aspirations got raised and variety of state of art post graduate programmes was started. It has been observed that in the new perception of pharmacy's role the postgraduate programmes are essential. Today, AIPR forms a part of the Azad Integrated Campus,

creating a common environment for the study of Engineering,

Programs at Azad Technical Campus

UG PROGRAM

- B. Pharm.
Bachelor of Pharmacy

DIPLOMA PROGRAM

- D. Pharm.
Diploma in Pharmacy

Pharmacy and Management subjects for better overall appreciation and the cross migration of ideas.

Azad's sister Pharmacy institute located near Selaqui Pharma City, Dehradun, helps in focusing on entrepreneurship related issues.

Programmes at Azad:

Today AIPR (Azad Institute of Pharmacy And Research) runs five programmes : the undergraduate B.Pharm. programme and D.Pharm. programme.

The institute while providing UG and Diploma education plans to carry out R&D in herbal drugs and their formulations, development of new drug delivery systems, testing and quality control procedures etc.

New Employment Areas:

Generic Medicine, Telemedicine, Clinical Research, Digital Health Management, Big Data Analytics, Molecular and Personalized Medicine, Insurance, Medical Tourism, Regulation etc.

D.Pharm. (Diploma in Pharmacy) : Azad makes sure to encourage and prepare the student for Government and private job opportunities. The candidates with a Diploma in Pharmacy certificate is eligible to start practicing as a pharmacist. The certificate holder will be able to work at drug stores in Government hospitals, clinics, private hospitals, community health centers, or even on private drug stores. The opportunities are endless



B. Pharm. (Bachelor of Pharmacy) :

This is the entry level programme. It follows all the requirements set by PCI. It opens up the world of possibilities in diverse directions. The range and option of new careers go up with several specializations at postgraduate levels available in the country. Going abroad for further education a realistic option, as many multinationals operating in India require high-level professionals for research and R&D. Branching into Clinical Research and Health/Wellness areas is popular.

Students from this Institute have found employment in companies like Novartis, Cipla, Dabur, Hamdard etc. besides working in local companies dealing with alternative systems of medicine. A very large new arena of health care is taking shape in the country with the rising affluence. It starts with chains of hospitals, medical tourism, digital health management, mass screenings, insurance, etc.

Admissions

Admissions to the UG programmes are carried in two different ways. The half of the total seats are filled based on merit alone through the UPSEE ranks and subsequent counseling etc. The other half of the seats are filled through test exams conducted by Azad Technical Campus/Interviews. Students in this category also must have at least 50% marks in PCM/PCB at class 12 level.

Candidates who have passed diploma in Pharmacy (with 60% marks) are eligible for admissions to the second year of the B. Pharm. programme. For admissions to M. Pharm. Programmes candidates need to have 60% (55% for SC/ST) marks at graduation level and should obtain a suitable rank in AKTU test or the test/interview conducted by Azad Technical Campus. Score in GPAT decides the chance of getting the scholarship.



Infrastructure

The Institute has developed the laboratories required as per the AICTE/PCI norms for UG and PG curricular requirements and dissertation activities. The main laboratories and the facilities are: The Pharmaceutics Lab, The Pharmaceutical Chemistry Lab, The Pharmacology Lab, The Pharmacognosy Lab, Pharmaceutical Microbiology Lab, Pharmaceutical Machines Lab, The Computer Centre, The Animal House and The Herbal Garden.

They have all the necessary equipment specified by PCI. AIPR has got a separate library besides the library of the Technical Campus. It has a collection of more than

10,000 books (400 plus titles) and subscribes to more than 50 national and international journals. It supports an electronic section and provides support to online data bases, e-books and access to Internet resources.

Azad Degree College Permanently Affiliated to University of Lucknow, Lucknow

College Profile

The Azad Degree College was established in the year 2008 in the lush green campus of AGEI with one undergraduate programme "Bachelor of Business Administration (BBA)". The college is permanently affiliated to Lucknow University. A step further in the college academia is the initiation of B.T.C Programme approved by NCTE from academic session 2014-2015. Other courses like B.Sc., BCA, B.Com & B.Com (Hons) are also in the process. The college has well furnished lecture halls. Spacious computer lab with over 60 computers. The lab has all the required software to meet the demands of students. The college has WI-FI internet connectivity. The college library has numerous text and reference books for the use of students and faculty members. The campus has full power backup ensuring that the students don't have to sweat out in case of a power failure. It has a well furnished reading room for about 200 students. Separate Hostel facilities are available for boys and girls. The hostels have 24 hours internet connectivity with round the clock power back-up and water supply it also has a gymnasium and separate mess for boys and girls where clean and nutritious food is served. The hostels are very secure and all movement in and out of the hostel is monitored through CCTV Camera.

Courses Offered (UG):

About BBA Programme

Bachelor's of Business Administration (BBA) is a popular course among the students aspiring to venture into the world of management and entrepreneurship. It introduces them to the various aspects that form part of effective business management and prepares them to pick a specialized branch later on, mostly as part of the postgraduate study - Master's in Business Administration (MBA). The overall objective of the course is to impart business and management skills to students and prepare them for their entry into the corporate world.



Job Opportunities

A degree in BBA equips students with the basic knowledge about corporate management and skills that help them understand the diverse functioning of a company. There are companies that recruit fresh BBA graduates, which can be a great learning opportunity for the latter. Armed with work experience, students with a BBA background can pursue Master's in Business Administration (MBA) and gain specialization in a specific management domain, though one might also follow up the BBA degree straight ahead with an MBA programme. Different fields where students can work after BBA degree are mentioned below.

Programme Details:

Duration : 3 years full time (Six Semester) course, affiliated to Lucknow University.

Intake : 60 seats.

Eligibility : Passed/Appearing 10+2 (any discipline) with minimum 50% marks (For SC/ST students min 45% marks).

Admission Process : 100% seats are filled by Combined Entrance Examination (CEE) conducted by Azad Technical Campus and Management quota.

BTC Programme

The quality of the education system plays a major role in the development of the country as it builds up the human resource of the future. But the sustenance of a vibrant educational system depends to a large extent on the quality of teaching at the elementary level. In order to improve the quality of the teachers, the government of India has set up various institutes that provide Basic Training Certificate (BTC) after the successful completion of a course in teacher's training. The curriculum of Basic Training Certificate (BTC) is designed by the National Council for Teacher Education (NCTE), which is a counseling body for the State and Central Governments on issues relating to teacher education in the country. On completion of this teacher's training program, candidates are eligible to apply for teachers job at primary schools in the state.



Programme Details:

Duration	: 2 Years, Full Time, Certification course, affiliated to Jaipur University. : 50 seats.
Intake	: graduate in any discipline with minimum 50% marks.(For SC/ST with in minimum 45% marks.)
Eligibility	
Admission Process	: 50% seats are filled through CET by UP Govt. and 50% Direct under Management quota.

Bachelor of Commerce (B.COM)

Your global business journey starts here. Our Bachelor of Commerce offers a wide variety of subject options, immersive learning experiences and a strong commercial grounding in business. Take advantage of our industry placement opportunities and tailor your degree to launch your career in virtually any field, anywhere in the world.

The program combines theory and practice to teach you how businesses operate. You will gain the analytical, technical and practical skills to apply your knowledge effectively in the business world.

To succeed in business, graduates need to be equipped with both a solid grounding in areas such as accounting, economics and business statistics, as well as effective interpersonal skills.

Course Duration 3 years

Scope of B.com

You can join

- KPO (Knowledge Process Outsourcing) sector
- Account Assistant
- Pursuing post graduation like MBA or M.Com
- Banking
- Auditing Department
- Finance
- You can also pursue course CA along with your B. Com

Bachelor of Computer Application (BCA)

Bachelor in Computer Application (BCA) is an undergraduate degree course in computer applications. With the rapid growth of IT industry in India, the demand of computer professional is increasing day by day. This increasing growth of IT industry has created a lot of opportunities for the computer graduates.

Bachelor in Computer Application (BCA) is one of the popular courses among the students who want to make their career in the IT (Information Technology) field. The duration of the course is 3 years and divided into 6 semesters. It comprises of the subjects like database, networking, data structure, core programming languages like 'C' and 'java'. This course provides a lot of opportunities to the students who are interested in computer field and wants to work in the IT sector as programmer or software developer.

Course Duration 3 Years (6 semesters)

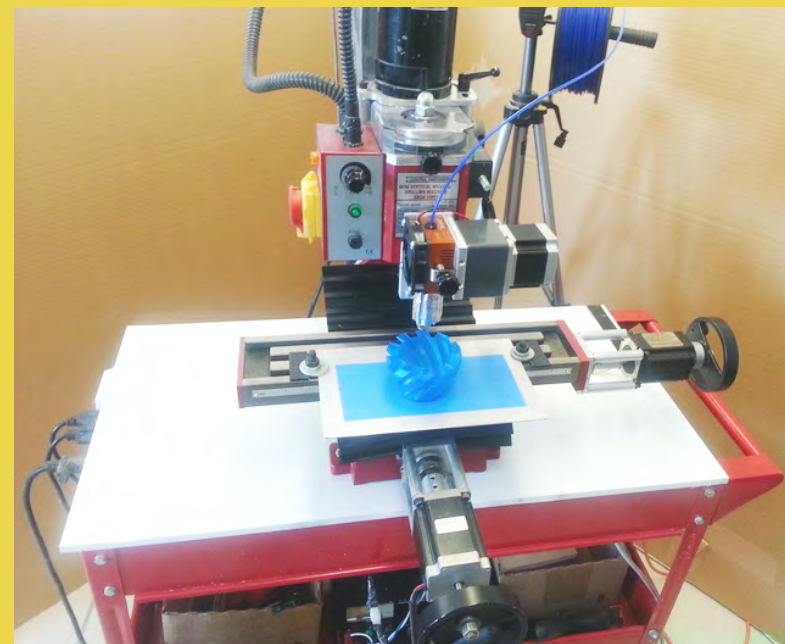
Programme Details:

	BCA	B.Com
Intake	: 60 seats.	60 seats.
Eligibility	: Intermediate in any discipline with minimum 50% marks. (Math or Computer Science compulsory for BCA)	
Admission Process	: 100% seats are filled by Combined Entrance Examination (CEE) conducted by Azad Technical Campus and Management quota.	

AZAD Lucknow Polytechnic

Approved by AICTE, New Delhi and affiliated to BTE, Lucknow

- The institution is located in the city of Lucknow with very strong social and cultural traditions. Also a home to large no. of small and medium enterprises. It is clean, safe and affordable. The industrial area of Lucknow is quite close to the campus.
- The campus is just a few kilometers from the upcoming Lucknow Metro's terminus.
- ALP itself offers residential accommodation for students. Private accommodations are also available nearby.
- The college is a part of Azad Digital campus, with students of large variety of streams and provides opportunities of rich interactions. This diversity may help students in getting better perspectives of technologies.
- Words are not nearly enough these days. Azad is trying to get into the changing methodology of teaching and adopting graphics and animation and gaming methods in practical. Most class rooms are developed on the pattern of Smart Class Rooms.
- Students Projects in the final year will be given importance as it will showcase the attitude and competence of the students and also help them in finding jobs.
- Azad's campus is fully Wi-Fi and Social media plays a important role in the life of students.



The Digitally Driven Polytechnic: E-Poly

- Experts predict that there are few 9 to 5 type of jobs in future. Persons have to equip themselves for updating skills and knowledge through the Internet and create opportunities with their initiatives. As practically no machine will be there without a computer inside, those who can indulge in code and data will be better off.

- Azad is trying to create a learning platform integrating the web based sources, the classroom lectures and the books and the experimentation.
- In the digital environment it will be easier to go past the diploma and aim for the degree., which is now considered a genuine route to higher education.
- The flexibility in the Diploma programs is higher than that of the degree programs.
- Further, the Internship and serious exposure to industry along with the classroom drills often lead to better understanding and comprehension for diploma students.



- Often this leads to entrepreneurship ideas as well

Diploma in Civil Engineering

- Civil Engineering has a long history. It started with the management of natural water resources like dams and canals. It expanded into design and construction of buildings. Today it is the Civil Engineers who do the design of all structures. The range of the activities is vast from towers, bridges, oil rigs, highways, and reclamation of land etc.
- Junior engineers usually work in detailing the concepts, creating models, and do design and drafting. The work is completely computerized and 3D modeling has become a norm.
- At local level they have many roles in the development real estate projects and municipal activities.
- Civil engineering also includes pollution control, ground water management, design and construction of highways etc.

Job Avenues	Higher Studies	Laboratories
Site Engineer (Project On Site) Auto CAD Draughtsman QS - Assistant Planning Assistant Civil Structure Designing Quality Engineering Safety Engineering Water Project Store Incharge Building Structure Estimation Surveyor	B.Tech. (Direct Admission in 2 nd Year of 4 years Degree Course) B.Arch. (Get Admission in 4 years Degree Course)	Structural Engineering Laboratory Strength of Materials Laboratory Concrete Laboratory Structural Dynamics Laboratory Fluid Mechanics/Hydraulics Laboratory Geotechnical Laboratory Environmental Engineering Lab CADD Laboratory Surveying Laboratory Geology Laboratory Transportation Engg. Laboratory - Materials



Diploma in Computer Science & Engineering

- IT and computers today generate a revenue of over 150 billion dollars for India and bring a respect and presence in the international market as well. It is the largest employer in the modern areas.
- Computer Science deals with the development of computers, microprocessors and also data related disciplines like security, storage and transportation. The IT part of the discipline is geared to solving problems and developing algorithms.
- IT jobs in the country require continuous updating of skills and knowledge of various specialised packages thus keep the pursuit of better jobs alive all the time. Amerpet (a vast Training Hub) at Hyderabad shows how important the activity could be.
- A large IT park at Lucknow is coming up at Chak Gajria. This is expected to span numerous education and training centers besides startups and new organisations. Meanwhile rapidly expanding use of mobiles and computers is expected to provide respectful jobs to passing out students.
- One can hope that the on coming technologies of Bigdata and AI will provide new kind of avenues in days to come.



Job Avenues	Higher Studies	Laboratories
Computer Communications - Specialist Computer Engineer Consultant Database Administrator Data Communication Analyst Professor Research Analyst System and Security Administrator	B.Tech. (Direct Admission in 2 nd Year of 4 years Degree Course)	Operating Systems Laboratory Computer Networks Laboratory Programming Laboratory DBMS Laboratory Web Technology Laboratory Computer Graphics Laboratory Microprocessor Laboratory

Diploma in Electrical Engineering

- Electrical engineering is a field of engineering that generally deals with the study and application of electricity, electronics and electromagnetism.
- It is a mother discipline to a very large no. of fields starting from energy, power generation and distribution, electronics, computer science controls and so on. Evolving more efficient and less polluting and safe systems is a major concern.
- Solar energy today holds prospects of meeting some of the requirements. The use of smart grids and local sources are helping in decentralization and increased use of power for productive activities.
- Rural electrification continues to be a major job creating activity while maintenance of grids and network a major task India's bid to go for nuclear power in a big way, develop high speed trains and electrical vehicles is likely to open new prospects.
- Passing out students may expect employment both in Public and Private sectors .



Job Avenues	Higher Studies	Laboratories
Junior Engineer Site Supervisor Operation & Maintenance - Supervisor Assistant Design Engineer Assistant Sales & marketing - Engineer	B.Tech. (Direct Admission in 2 nd Year of 4 years Degree Course)	Basic Electrical Engineering Lab Communication Lab Electrical Machine Lab Measurement Lab Electronics Lab Control System Lab Electrical design and Estimating Lab Repair and maintenance Lab Industrial Electronics Lab Electrical Testing Lab

Diploma in Mechanical Engineering

- Mechanical Engineering has been an evergreen discipline which provides a very large productive employment. It has been divided into three broad areas: Energy and Environment, Mechanics and Design and Manufacturing.
- Serious Energy and Pollution concerns have brought into focus many new areas. At the same time automation, particularly the computer based automation requires new kind of skills. The young generation must prepare for challenging new careers in these areas.
- While the use of 3D Modeling and Computer Aided Manufacturing is catching up, altogether new infusion of technologies of AI (Artificial Intelligence) and Big Data is on the cards.
- India working for creating more jobs in manufacturing. This expected to be in medium and small scale industries. Flexible and micro manufacturing are creating new spaces for growth. Entrepreneurship will be an important theme.
- The real growth of jobs anywhere in the world in “Services”: sales, distribution, marketing, tourism etc. Internet is providing new models of organizing and creating these new businesses.
- Employment in general is available with both Public and Private sectors.



High skills requirements



Job Avenues	Higher Studies	Laboratories
Product Design Engineer Production in charge Technical Engineer Manufacturing Systems Engg. Industrial Supervisor Installation and Maintenance - Engg. Research & Development Production Control Supervisor	B.Tech. (Direct Admission in 2 nd Year of 4 years Degree Course)	Elementary Workshop Tech. Mechanics of Solid Lab Manufacturing Processes Thermal Engineering Lab Hydraulics Lab Electrical Tech. & Electronics - Lab. Production Tech. Lab.

Admission

Admission process is managed and monitored by Admission Cell of Azad Lucknow Polytechnic itself.

1. Provide transparent information to aspiring students.
2. Facilitate a friendly environment for students.
3. Provide them ample support in the form of scholarships as per eligibility or whichever means suits their criteria.
4. Provide useful guidance to students.
6. Makes the entire admission process a pleasure to the students and their parents /guardians.

Course	Branches	Eligibility	Duration	Affiliation	Fee
Polytechnic	1. Civil Engg. 2. Mechanical(Production) Engg. 3. Computer Sc. & Engg. 4. Electronics Engg.	UPJEE qualified or Min. 50% marks in High School With Maths. For Lateral Entry (LE): UPJEE qualified or Min. 60% marks in Intermediate with PCMB.	3 Years 2 Years (LE)	UPBTE	Please see Fees Chart provided separately

Mode of Admission:

1. **JEECUP:** Admission to Diploma / Post Diploma / Post Graduate Diploma in Engineering, Technology and Management Programs in Polytechnic Institutions (like Azad Lucknow Polytechnic) affiliated to Board of Technical Education & others shall be done through counseling of the Joint Entrance Examination, UPJEE (Polytechnic)-2021.
2. **Direct on Management quota/Vacant Seats:** Admission in management quota or an vacant seats shall be done as per the instruction from Uttar Pradesh Govt.



Centre for Students Development and Career Guidance

The campus for overall grooming and personality development of students. Various value added courses, Seminars, Presentation etc. are organized from time to time to impart knowledge apart from their curriculum. The centre is divided into three wings Training & Placement Cell, Guidance Cell and Student Activity Cell for efficient monitoring and functioning.

Training & Placement Cell Activities

The Training & Placement cell of the Azad Group along with the placement committee, comprising faculty members and a student advisory team, works towards strengthening placements. The Institute provides comprehensive support to arrange & generate placement opportunities on the campus. The Training & Placement cell exists for the exclusive purpose of developing and keeping effective contacts with corporate & business houses all over India. The cell performs liaison work between possible employers and the students. Prior to the final placement season the Institute regularly organizes interactive workshops with industry at the campus. The objective of this is to create an opportunity for:

- i. The industry professionals to interact with our students and assess their caliber & compatibility with their specific requirements.
- ii. Our students to learn about specific companies and identify which lines of business they would like to work in, as per their aptitude & inclination.

The T & P Office is well equipped with excellent infrastructure to support every stage of the placement process. Arrangement for Pre-Placement Talks, Interviews, Group Discussions and Guidance etc. are all handled by the Cell. The following facilities are available for the various placement activities:



- Tie-up with a technology portal, campusnext.org, an interactive platform for all Students, Teachers, Management and Corporate.
- Well furnished, air-conditioned auditorium for conducting Pre- Placement Talks.
- Air-conditioned, well furnished rooms for conducting Interviews.
- Fully computerized TPO Cell / office.
- Well equipped Lab Facility for online tests and Special lectures Connected through V-Satellite. Azad also believes in the proper grooming of its students for their success in life outside the campus and for that the "Training & Placement Cell", is actively involved in the following:
 - Developing verbal and non-verbal communication.
 - Enhancing public speaking skills.
 - Programs providing career guidance.
 - Imparting personality improvement through in-house and external experts.
 - Administering aptitude and psychological tests.
 - Conducting mock interview practice sessions and group

Discussions:

- EET- Employability Enhancement Test for acquiring all round knowledge.
- Organizing entrepreneurship promotion programme.
- Arranging in-plant training and obtaining project work from industries.
- Assisting for GRE, GMAT and GATE, GPAT in a simulated environment.
- Arranging on and off campus recruitments.
- Organizing Industrial Visits etc.

Many of our students, who do not join companies for employment, are encouraged to proceed for other Entrepreneurial Ventures. Azad also provide guidance and timely information's regarding jobs and vacancies in Government and Public Sector. Recruitment drives by ARMY, NAVY and AIRFORCE are also hosted in our campus for our technical graduates with appreciable success rate. The T&P Cell also co-ordinates campus visit by various companies and provide assistance in the following various ways.

- Lodging and boarding arrangements for the visitors.
- Rooms for pre-placement talks, test, group discussion, individual interviews.
- Audio Visual facilities for pre-placement talks.





Azad Dynamics:

We are using campusnext.org as a dynamic platform for the communication as well as information. It's the only networking portal providing a complete platform and the most comprehensive solution for all the stake holders.

Campusnext.org is an official alumni website for AZAD. At the same time, it also provides a platform for students & alumni of the institutes who are not registered with us. It's an effort to bring together like minded people, who have similar needs, on one platform.

The T&P cell at Azad is ceaselessly working towards all round development and skill enhancement of its student to make them employable as well as to develop them as an asset towards nation building. In this endeavour of ours we have started Azad-Finishing School Programme - a uniquely modeled programme running in all the semesters within the scheduled periods carved out within the existing academic time table. The programme is being regularly monitored at the management level and is conducting various value added activities such as Mock Interviews, GD, English & Business Communication classes, Technical Workshops, as well as Guest Lectures from experts of different fields for skill enhancement.



Ayaz Mirza (CSE)
Wipro Technologies



Apoorva Mukherjee (CSE)
Encore Capital Group



Anupama Sharma (MCA)
Technosys Services pvt Ltd.



Altaf Khan (MBA)
New Salata Doha, Qatar



Chhavi Jaiswal (MCA)
Satrix Technologies Pvt. Ltd.



Jawad Qasim (CSE)
Alacriti Info Systems Pvt Ltd



Humaira Naaz (CSE)
Tata Consultancy Services



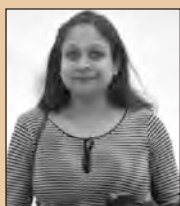
Huma Firoz (MCA)
Evolko Limited



Harshita Srivastava (MBA)
Electron Group, Dubai



Mohit Kumar Mishra (CSE)
Cedcoss Technologies



Kirti Singh (B. Pharma)
Crizon Healthcare Ltd



Nirmesh Kumar (EE)
Power Grid Corporation of India Ltd



Ankit Kumar Singh (MBA)
Pidilite



Monisa Anwer: Bio Tech
CytoGene Research & Development



Neha Shukla: B.Pharma
Tata Memorial Hospital

ASSOCIATE PARTNERS:



SOME OF OUR ESTEEMED RECRUITERS:

**Some of Our
Successfully
Placed
Students**



Venkateshwar Mishra (CSE)
Tata Consultancy Services



Mohd Khursheed Siddiqui (B.Pharma)
Apollo Pharmacy Enterprises Hospital Delhi

AZAD FAMILY



Guidance Cell

What is Career Guidance and Counselling?

Career guidance refers to services and activities intended to assist individuals, of any age and at any point throughout their lives, to make educational, training, and occupational choices and to manage their careers. Such services may be found in schools, universities, and colleges, in training institutions, in public employment services, in the workplace, in the voluntary or community sector and in the private sector.

Career Education and Guidance at Azad - the Missing Link in Career Decision-Making

Although there are many careers to choose from, individuals without guidance and counseling on future career choice decisions can be limited in their career options, especially if they are unprepared for the requirements of the workplace, underestimate their capabilities, or are unaware of the range of workplace accommodations that can broaden their career options.

Career education and guidance in AGEI thus provides access to the skills and resources students need to overcome these obstacles and prepares them to make choices relevant to their personal strengths and interests.

The foundations of career self-management skills (for example decision making, self-awareness, self confidence) are laid at an early age.

The specific career guidance needs of particular groups of students - including students in transition from study to employment, students who are dropping out from or changing their courses, mature students returning to study, distance learning students, and international students, for instance - are taken care of by experts. Career Guidance Cell at Azad Technical Campus provide assistance to students in preparing for Engineering Services, Civil Services, PSU's and many other Competitive Exams. Apart from we also support student and promote them to go for higher Education, like M.Tech, Ph.D. we also help students to prepare for NET, TOEFL, GRE, GATE etc. like M.Tech, Ph.D. we also help students to prepare for NET, TOEFL, GRE, GATE etc.



The Coordinators of Cell are assisted by HODs of all departments, Faculty and Student representatives. Special Training Programmes and Lectures are regularly conducted for job oriented courses and Competitive examinations. The Career Guidance cell also help students in developing their personality through routine Personality Development.



How Azad Career Guidance Cell is helpful for students?

- Career guidance provides students with an understanding of their own strengths and interests (e.g., through valid assessment).
- Career guidance create an awareness of the varieties of vocational opportunities that exist
- Career guidance provide students with the opportunity to explore desired vocations (e.g., through job shadowing or internships).
- In addition, some career guidance curricula also help students to develop a portfolio highlighting their skills and explore the benefits of accommodations to the workplace.
- Aptitude tests and group discussions are conducted at regular intervals to enable the students to improve their performance in competitive exams.
- ATC also welcomes guest lectures, visiting faculty members for training students and faculty members too.
- Career Guidance Cell also contributes by preparing the database of the students, giving details about their educational qualification, career choices, etc. thus in the process identifies the specific needs of specific students & guide accordingly.

Students Activity Cell

The Student Activity Cell was established primarily to leverage the wealth of extra-curricular skills possessed by the students. The cell is further divided into many activity clubs like technical, literary, Cultural, Oratory, creativity social etc coupled with unique and dynamic learning methodologies. The cell creates modern and dynamic learning programs and competitions. Our endeavour is to continuously upgrade the skill and knowledge of the students.

The students also get an opportunity to represent Azad at different platforms. They have come up with flying colour in the yester years where ever they have participated.

Innovation & Entrepreneurship Cell (IEC) @ Azad

Entrepreneurship and innovation are the key drivers for generating wealth from the knowledge. Entrepreneurial ability originates from the skills that we human possess. Entrepreneurship is increasingly being recognized as an important driver for economic growth, development, productivity, and most importantly employment generation in the country, and it is widely accepted as a key aspect of economic dynamism.

The nation's economy will increasingly rely on entrepreneurs to stimulate economic growth—and yet even though a growing majority of the nation's students would like to start and own a business, most are ill-prepared to do so. As edupreneurs, we can and should provide students with this critical knowledge. And even though not all students who receive entrepreneurship education intend to pursue a career path as an entrepreneur, everyone can benefit from the learning associated with understanding the concepts and processes of economics and entrepreneurship.

It is often said that today's education curriculum is rooted in yesterday's economy, and that a changing, entrepreneurial and technologically driven economy requires different educational approaches. The skill set needed to succeed in the 21st century workforce—one that values opportunity, creativity and agility—is quite different from the skill set needed during the last century. The key to success is an economic way of thinking, which should be a cornerstone of the nation's efforts to reform the educational system.

The Role of Educational Institutions comes into play:

Establishment of “INNOVATION & ENTREPRENEURSHIP CELL (IEC)”

One fundamental question which is usually posed is “Can Entrepreneurship be taught? There are usually different views on this. However, the fact remains that if Maths can be taught, Music can be taught and Art can be taught, then entrepreneurship can also be taught. Teaching entrepreneurship is just like teaching any other skill, which requires a different pedagogy. As such, every student brings their own natural instincts, upbringing and talents and can improve with relevant information, experience and guidance. Like any other discipline, entrepreneurship has its own vocabulary, tools, techniques, concepts and body of knowledge. That's why the need arises of a conducive and separate environment for that, such as Business Plan, Business Model, Business Quiz, Business Presentations, Idea Generation Projects, and Research based real time Assignments, Role plays, Brainstorming, Debates, Code Writing and other Group Activities play a vital role developing Entrepreneurial Skills among students and all this is provided in INNOVATION & ENTREPRENEUR-SHIP CELL (IEC).



The Cell “Foster teaching of successful Innovation & Entrepreneurship and encourages Students in the creation of new businesses; develop business insight , creates and disseminates knowledge of entrepreneurship and tell ways to generate entrepreneurial finance to the business and facilitates interaction between Real Entrepreneurs and Students and give them space for personal learning experiences. Such an open learning environment may offer the chance of transforming entrepreneurial opportunities. Therefore action in the sense of an entrepreneurial action-orientation and interaction in entrepreneurial networks are at the core of the consideration.

However, it is not easy task to spread awareness and create a spirit of entrepreneurship among students. The concept of entrepreneurship started infiltrating the students' minds when we created IEC on campus and from each department like Mechanical, Electrical, Electronics, Computer Science, IT, Civil, Management, and Pharmacy etc. selected Student Representatives for Innovation & Entrepreneurship Cell, these Representatives play an active role to make this cell lively and spread awareness among other students through their regular entrepreneurial related activities.

The seed has been sown by establishing this Cell and have started sprouting as is evident from the number of students are seriously taking interest to be members of IEC voluntarily. The need of the hour is to make entrepreneurship development more effective by imparting relevant education, focusing on developing entrepreneurial competencies. The crucial change agents in the process of developing young entrepreneurs are teachers with adequate skills and knowledge in the area of entrepreneurship.

More importantly, Institutions of higher learning, especially technology based have to coordinate their efforts in an integrated manner with industry, government and other voluntary organizations involved in entrepreneurship development to create an eco-system that can lead to the creations of key valleys and hubs on par with other global standards in areas such as Bio-Technology, Nanotechnology, Textiles, Manufacturing, Agricultural Science, Automobiles, Pharmaceutical etc. One thing I want to add that all the IIM's IIT's and University like Stanford, MIT, Columbia has this E- cell, and CISCO, GOOGLE, SUNMICROSOFT, NIKE, HP are the outcome of those cells. In BITS Pilani this cell was established by four students and two faculties and it has the largest network of students interested in Entrepreneurship all over India.

“A humble beginning has been made towards promotion of Entrepreneurship”

In this context the INNOVATION & ENTREPRENEURSHIP CELL (IEC)@AZAD has ventured to deliberate a paradigm shift by conducting an “EDUCATIONAL & ENTREPRENEURSHIP CAMPAIGN” named “HUNAR”, an entrepreneurship awareness test on 31st January, 2015, in 52 schools across 23 districts of the state. Almost 8000 students and working class people from various professions and fields participated in that test. Hunar-15 Test was conducted under two 48 categories, consisting of the students of class 11th & 12th, and those from undergraduate level & for working class. The questions asked in both the categories are designed so as to inform and educate the participants regarding entrepreneurship and are different for the two categories. And we conducted this successfully. The proceeding of which are brought out in the form of this book entitled “HUNAR” Inspired by this citation, the main goal of this book is to create and advance the understanding of Innovation & Entrepreneurship especially of a way from initial Ideas to lasting realization for upcoming startups.

“The Only way to change is by changing your understanding”



Centre For English Language Communication

As we know that English has always served as a link language in the multi-lingual polity of modern India and has been recognized as one of the official languages by the Union Government. It has become the single most important criterion for success in the job-market too. Communication skills in the English language thus become an important target for planners and administrators in the field of higher education. Therefore, keeping in mind the necessity of the English language, we at Azad Technical Campus, have established Centre for English Language Communication.



Our mission is to empower our students to acquire effective English language and communication skills for their academic and professional lives through innovative teaching, promotion of independent learning and to make them employable in this competitive world. To meet CELC's teaching, the following facilities are available for its staff and students to use. We have full fledged computer laboratory with 60 workstations, operational with audio-visual lessons, a DLP overhead projector. The Centre has one tutorial room and it is equipped with facilities to teach a variety of lessons and communication skills. The room is used to record and review group and individual oral presentations, role play and organizational behaviour.

Azad Career Academy (ACA)

A GEI has started Azad-Finishing School Programme – a uniquely modeled & specifically designed programme running in all the semesters within the scheduled periods carved out from the existing academic time table. An 100% free of cost programme, it is being regularly monitored at the management level and is conducting various value added activities such as Mock Interviews, GD, English & Business Communication classes, Technical Workshops, as well as Guest Lectures from experts of different fields for skill enhancement.

Giving due importance to its Quality Enhancement Programme Azad Group of Educational Institutions has entered into Collaborative Academic Programmes with some of the recognized & respected players in the academic spheres such as:

- 1) Indian Society for Technical Education
- 2) Indian Institute of Corporate Affairs under Ministry of Corporate Affairs Govt. of India
- 3) Petroleum Conservation Research Association
- 4) BSNL-AICTE
- 5) Bio-Tech Park, Lucknow

Apart from this many multidimensional activities are undergoing at Azad for the betterment and competency enhancement of the students. Some of these are:

- **Availability of “Smart Classes”** for lectures in all years just go back to prove the old age concept that “**seeing is believing**”. These classes are used to acquaint the students with the finer points of engineering, pharmacy & management, which cannot be displayed through normal teaching methods. Ample use of videos & power point is made to help the students understand.
- **Employability Enhancement tests are being conducted**, with enthusiastic & overwhelming response from the students. The aim of such tests is knowledge enhancement in the fields of technology, general awareness, social awareness as well as communication skills and is being received very well by Azad's students.
- Regular **Entrepreneurship Development Programmes** are being organised by the college for providing practical knowledge and guidance to students such as the one conducted by the **Institute of Entrepreneurship Development, Uttar Pradesh at**



Azad Technical Campus under its 3 day Entrepreneurship Awareness Camp (March 26-28, 2014), sponsored by the Department of Science & Technology, Govt. of India, New Delhi.

Debate League- an initiative of Azad Technical Campus under its **Finishing School Programme & Student Development Programme** is being organised among all the Departments of B.Tech., B.Pharm and Business Administration, to develop the competitive spirit among the students.

- **Azad Launched “Mock Interview Sessions”** for its students under **Azad Finishing School Programme**. These sessions are meant to increase the employability of the students as well as to update them about the recent trends in interview conduction. Taken up in a very professional way the panel of 3-4 interviewers formed is being chaired by an eminent external expert. The whole exercise is being received in a very enthusiastic and appreciative way by the students.
- **TRISHA**, the annual literary and cultural fest of **Azad Technical Campus** is being organized with full enthusiasm and fun by the students regularly every year on the campus. **The management of Azad Technical Campus has always recognized the fact that these activities are equally important along with the academics, as they bring out in front the managerial capabilities, organizational skills as well as the leadership qualities of an individual.** The fest always comes up with enduring and endearing performances by the students in solo singing, instrumental music, dancing, skit, etc. The show also features a grand fashion show choreographed and modeled by the students of Azad Technical Campus. Apart from Azad the students of other colleges also participate in Trisha with full zeal and enthusiasm thus developing & experiencing the spirit of camaraderie & competition simultaneously.
- **“RANBHOOMI”**, the annual sports meet of Azad Group is held annually to propagate and bring to fore the competitive spirit and sportsmanship of the students. Sports has always been and will be an integral part of the co-curricular activities of Azad and during **Ranbhoomi** the students showcase their skills in various sports & games such as the ever popular cricket, football, basketball, athletics, table tennis, etc. for which Azad has ample space & up to the mark facilities on its campus.
- Azad also offers students to familiarize themselves with the **royal sport of horse riding** for which it has its own pure bred horses and proper training is provided to the interested in equestrians.

Evening Communication & Finishing School classes for Hostlers

AGEI understands the proper utilization of the spare time of students, so that it contributes to capacity enhancement of each student. Keeping this in mind evening classes in communication & English have been started especially for hostellers as per their convenience.

These classes which are Free of Cost aim to enhance the communication skills & English speaking proficiency of candidates coming from different profile and sections of the society and to bring them at par with their more privileged colleagues. This not only generates confidence, but make them competent enough to face the challenges of life without disturbing their normal academic schedule.



Computer Centre

Azad Technical Campus has an inexhaustible zest for technological advancement which is vividly reflected in its Computer Centre. Computer Centre at Azad Technical Campus is a state-of-the-art IT Resource zone on entire campus with Optical Fibre connectivity spanning several heterogeneous networks along with dedicated 10Mbps internet broadband connectivity and around 100 Computers of latest configurations (Pentium Dual Core/i3 Processors, 4GB RAM, 320GB HDD, 21" LED Monitors). The Entire Computer Centre is provided backup power supply by a 25KVA Online UPS. Meeting the energy saving needs of the environment campus has a dedicated energy compliant silent Power generator of 325KVA with a backup Power generator of 250KVA. To facilitate a soothing working environment entire zone is air-conditioned. There is a 1:10 Printer to Computer system ratio.

Computer Centre is studded with hardware and software resources meeting all the requirements of educational and research institutions. Software like MATLAB, MathCAD, PSpice, Oracle 11g, Java, AutoCAD, SPSS, 3Ds MAX, Maya, Inventor and other necessary software provide necessary backbone for institutional functioning. Further, Azad Technical Campus frequently reviews and updates Computer Centre arena. The institute has a license agreement with Microsoft, Autodesk, Mathworks, PLP Software and several other software groups for its software licensing and agreement. Computer Centre also plays a strong role in monitoring and managing Campus ERP provide which has made institutional functioning immensely sophisticated, transparent and precise.



Central Library

A modern Central Library with rich collection of more than 61000 books Learning resources, journals (national & international level) in all the discipline taught, is spread over an area of more than 16,758 square feet. It has an Air Conditioned reading hall, separate hall for the periodical section and electronic resource centre. The library has a dedicated Internet facility where students are encouraged to make use of e-journals (IEEE, ASME, and DELNET etc), e-thesis, and NPTEL video lectures and web based NPTEL lecture contents. The Library is located in the heart of the institution and therefore is easily accessible from all departments, classrooms and hostels.



Book Bank: The Book Bank facility is available in the ATC Central Library. The Students can avail this facility as and when needed.

Timing: The students, teachers and members of staff on all working can accen Library day or night(except holiday).

Live Video Streaming & NPTEL Lectures : The central library also offers facility to students to watch live videos related to their subject and course works. National Program of Technology Enhanced Learning (NPTEL) This program is under HRD Ministry, Govt. of India and is prepared by expert senior Teachers on C.D. for teaching all the subjects of B.Tech. Each C.D contains about 40 lectures of each subject. The lecture will give full knowledge of the subject through conventional methods and smart classes so that one is able to grasp the subject.

Workshop

A GEI can boast of its workshop which is housed in a widely spread building complex consisting of a huge factory like shed and a two storied building (covering more than Ten thousand square feet). The factory like shed, with sufficient ventilation and fire fighting equipments houses, shops like company, fitting equipment houses, shops like carpentry, fitting, black smithy, foundry, sheet metal and welding shops. The two storied building houses a well equipped machine shop. Each shop is equipped with an assorted collection of various tools including some special tools and workbenches. Machine shop deserves a special mention as such various and huge number of machines is rarely found in a single Engineering College.



Different types of Lathes including Capstan Lathe Heavy duty shaper machines, milling machine, Drilling Machine, Power Hacksaw and tools & cutter grinder, surface grinder are available. Every shop has capacity to accumulate more than 20 students at a time and each can be provided with working facilities. Foundry shop with its special type of furnace can even be used for ferrous moulding and casting which is rare in Engineering Colleges. Welding shop besides the usual facilities of Electric Arc Welding (with multiple sets of Power Transformer) and gas welding sets is also equipped with 8 KVA spot welding machine. Carpentry shop has a huge capacity wood working Lathe besides 10 sets of carpentry vices with wood working Table and more than required numbers of various carpentry tools and wood benches. Facilities for preparing various types/ patterns to be used for moulding are also available in the carpentry shop. Sheet metal shop besides, having usual tools and working benches got a collection of rare type of stakes (supporting Tools).

In addition to the provision of training to make the student proficient in manufacturing jobs as per drawing, students are also made acquainted with the practice of maintenance, up-keeping and repairing of tools. Highly qualified and experienced instructors and Ex-factory managers with cordial interaction with the students create an atmosphere of work and spontaneous learning. This makes participation in the workshop a matter of dedication and joy. New manufacturing technologies like plastic pressure - jet moulding and press machines for producing plastic components and sheet metal press components are on the list of additions to the existing facilities. As mentioned above, we have already started plastic jet moulding and press shop component manufacturing Process with this added facilities students are having a much elevated feeling with colourful plastic component and G.I. sheet washers.

Amenities



Canteen



Horse Riding



Gymnasium



Health Care Center



Rail Concession

Canteen

AGEI has a well-developed spacious canteen where quality food items are made available at a reasonable rate. Food provided in the canteen is both vegetarian and non-vegetarian. Variety of soft drinks and tea/coffee are available for the whole day. Hygiene is maintained at all levels and quality of food items are checked and verified from time to time. Canteen also provides a platform with congenial environment to students and faculty members to relax, intermingle and for sharing of thought related to subjects and various other issues of mutual interest.

Health Care Center

Azad Technical Campus provides 24-hr in campus health care facility. It has appointed Medical doctor to take care of its student's health and provides medicines at no cost. The Campus also has a Health Care Cell where all primary medical facilities are available. An ambulance is also available at all time for any emergency situation. All supports are provided to the patient while in hospital under treatment.

Transportation

AGEI has very good transport facilities for the day scholars as well as staff residing in the different areas of Lucknow city. The routes of the buses are such as to cover the maximum area of the city of Lucknow. On weekends the hostellers are provided transport facility to visit nearby picnic spots as well as to the markets at Alambagh, Aminabad and Hazratganj.

Horse Riding

Azad Technical Campus has 3 horses residing on campus itself of Kathiawari breed. The horses are well trained and they also participate in Lucknow Horse Race. All students and staff can enjoy their ride.

Rail Concession

The institute provides railway concession to the students as per the guidelines of Indian Railways during vacations and holidays.

Gymnasium

Azad Technical Campus has an incampus Gymnasium- Azad Gymnasium which is equipped with latest workout equipments. Exercise machineries are of standard quality and are regularly checked to avoid any kind of miss happenings. The workouts are carried by students under able guidance of Sports Incharge and Gymnasium trainer.

Software Resources

The Campus has a huge repository of licensed application and system softwares. The Campus is specific about using genuine software and its affinity towards open source softwares. Campus has softwares like Matlab, MathCAD 14, AutoCAD, TinaPro, Webal Firewall, Bondgraph, Ansys, Inventor, Microsoft MSDA, Microsoft License Software Campus Solutions, Debian Linux, Tally ERP 9 are few to enlist.

24 × 7 WI-FI Campus

The Azad Technical Campus has huge IT infrastructure at the disposal of its students, faculty and staff. There are around 1000 Computer System with latest configurations. The entire infrastructure is connected to network via VPNs either by LAN, WLAN or Radio Connectivity. Campus is WiFi enabled with the portal of campusnext.org from where students may obtain detailed information related to any subject and career guidance at any time. Every Academic Department has its own computer based labs with required software and peripherals.

Trisha

Cultural programs are conducted round the year in association and cooperation of staff and students where the hidden talents of students are brought into light. TRISHA - The annual technical and cultural fest of college is organized every year in the month of March. The fest provides a platform for the students to shed their inhibitions and explore their talent, it gives them recognition, polish different facets of their personalities which



weren't noticed before and it also gives them a pleasant break from the subtle monotony of their academic college life. The fest also gives our student an opportunity to meet with eminent personalities who are invited as Chief Guests and to see some of the best celebs performing live in the campus. Students from ATC take active part in cultural fest of other colleges and have won several awards which truly speaks about talent of our students and mentors.

Ranbhoomi

"RANBHOOMI", the annual sports meet of Azad Group is held annually to propagate and bring to fore the competitive spirit and sportsmanship of the students. Sports has always been and will be an integral part of the co-curricular activities of Azad and during Ranbhoomi the students showcase their skills in various sports & games such as the ever popular cricket, football, basketball, athletics, table tennis etc. for which Azad has ample space & up to the mark facilities on its campus.

Azad also offers students to familiarize themselves with the royal sport of horse riding for which it has its own pure bred horses and proper training is provided to the interested in equestrians.



Admission

Admission process is managed and monitored by Admission Cell of Azad Group of Educational Institutions, located in the Azad Technical Campus itself. The entire Admission Cell team works under able guidance of Mr. Mohd. Umar. Admission Cell makes it certain to achieve following goals for the welfare of its prospective students:

Provide transparent information to aspiring students. Facilitate a friendly environment for students. Provide them ample support in the form of scholarships as per eligibility or whichever means suits their criteria. Provide grooming and help to students from all classes of society. Provide useful guidance to students. Makes the entire admission process a pleasure to the students and their parents/guardians.

Admissions for session: 2022-23 are currently in the process under Direct/Management Seats quota. Aspirants can contact or visit Admission Cell to lock their seats.

Modes of Admission

JEE / AKTU COUNSELLING

- The Dr. A.P.J. Abdul Kalam Technical University will conduct counselling on the basis of JEE/other exams scores for candidates who seek admission to first year of B.Tech Biotech/B.Tech/M.Tech./B.Pharm/MCA and MBA courses.

JEECUP

Joint Entrance Examination Council, Uttar Pradesh (JEECUP) is a state level examination for the candidates seeking admission Polytechnic and D. Pharm courses.

B.Arch/BHMCT/BFAD degree courses to Govt. aided and private unaided institutions affiliated to Uttar Pradesh Technical University, Lucknow and Mahatma Technical University, Noida along with some other state universities of Uttar Pradesh. Joint Entrance Examination (JEE) is an all India common entrance examination which is conducted for admission in various engineering courses like B.Tech, B.E, B.Arch and B.Planning under the direction of the Ministry of Human Resource Development (MHRD). Admission criteria for Undergraduate Engineering Programs at NITs, IITs, Other Centrally Funded Technical Institutions, Institutions funded by participating State Governments, and other Institutions shall include the performance in the class 12/equivalent qualifying Examination and in the Joint Entrance Examination, JEE (Main).



Azad Combined Entrance

Examination (CEE)

The admission through Direct Admission under Management Quota Seats is done on the basis of Combined Entrance Examination conducted by AGEI itself for admission into its umbrella of institutions. The Examination is conducted in several cities of UP in the month of January.

Programmes Offered at Azad Technical Campus, Lucknow

Under Graduate Courses

Course	Branch / Specialisation	Eligibility	Duration	Seats	Affiliation	Fees Per Annum in indian rupee
B.Tech.	1) Mechanical Engineering	Passed/Appearing in 10+2 or Equivalent with Min 50% marks in Physics, Maths, Chemistry/Biotech (in case of minority Students) and 50% marks for all other categories. For B.Tech (2 nd Year)Lateral entry B.Sc. & XII with Maths/3yrs. Diploma in Engg with minimum 45% marks	04 Years	90	AKTU	Please see Fees Chart provided separately
	2) Civil Engineering		04 Years	60		
	3) Bio Technology		04 Years	60		
	4) Computer Science & Engineering		04 Years	90		
	5) Electrical Engineering		04 Years	60		
B. Pharm		Passed / Appearing in 10+2 or Equivalent with Min 45% marks in Physics, Biology / Maths /Chemistry/Biotech (in case of minority Students) and 50% marks for all other categories. For B. Pharm (2nd Year): Candidate who has passed 2/3 years Diploma in Pharmacy from an Institution located in U.P. or whose parents are domicile of U.P. with Min 45% marks.	04 Years	100	AKTU	"
D. Pharm			03 Years	60	BTE	"
BTC		Graduation with 50% and age less than 30	02 Years	50	NCTE	"
BCA		Passed/Appearing in 10+2 or Equivalent with Min 50% marks (Math or Computer Science Compulsory)	03 Years	60	LU	"
BBA		Passed/Appearing in 10+2 or Equivalent with Min 50% marks (any discipline)	03 Years	60	LU	"
B.Com		Passed/Appearing in 10+2 (Commerce) or Equivalent with Min 50% marks	03 Years	60	LU	"

Post Graduate Courses

Course	Branch / Specialisation	Eligibility	Duration	Seats	Affiliation	Fees Per Annum in Indian rupee
MBA	Mkt./HR/IT/IB/Finance	Passed / Appearing with Min. 50% marks in Graduation (any discipline)	02 Years	60	AKTU	Please see Fees Chart provided separately
MCA		Passed / Appearing with Min. 50% marks in graduation (any discipline) with Maths at 10+2 level compulsory for MCA. For MCA Lateral Entry (2 nd year) Passed/Appearing BCA/B.Sc. (Com Sc. & IT) with 50% Marks with Maths at 10+2 level compulsory for	02 Years	30	AKTU	
M.Tech.	CSE (Distributed system)	Bachelor 's Degree in Computer Sc. & Engg., Computer Sc., Computer Sc. & Information Technology, Information Technology, Electronics Engg., Electrical & Electronics Engg., Electrical Engg., Computer Engg., Software Engg. or equivalent M.Sc. (Computer Sc.) or equivalent M.Sc. (Information Technology) or equivalent, MCA with not less than 60% marks in an absolute system	02 Years	27	AKTU	Please see Fees Chart provided separately
	EE (Power System)	Bachelor 's Degree in Electrical Engineering, Electrical & Electronics Engg. with not less than 60% marks in an absolute system	02 Years	12		
	Electrical Engineering	Bachelor's Degree in Electronics & Instrumentation, Electronics, Instrumentation & Control, Electronics Engg., Electronics & Comm., Electronics & Telecomm., Electrical & Electronics Engg., Electrical Engg. Computer Sc. & Engg. Information Technology, M.Sc. (Electronics or equivalent CGPA, with not less than 60% marks in absolute system	02 Years	12		
	ME (Indst. & Prod. Engg.)	Bachelor 's Degree in Mechanical Engg. with not less than 60% marks in an absolute system	02 Years	12		
Polytechnic	Mechanical Engg.	For General/OBC Candidates 50% marks in High School	03 Years	45	BTE	Please see Fees Chart provided separately
	Civil Engg.		03 Years	45		
	Computer Sc. Engg.		03 Years	45		
	Electrical Engg.		03 Years	45		

General Rules

- **75%** attendance is mandatory for every student failing which student will be debarred from semester exam.
- No student should leave the station without the prior permission (written) of the concerned authority. Also, students will have to take permission to remain absent from any activity of the Institute.
- On no account, will students be allowed to remain absent for any assignments, semester-end examination conducted by the institute/university or continuous assessment done by the faculty during the semester. The student will be entirely responsible for such absence. This may be detrimental to the overall performance and results of the students.
- **Use of mobile phones in the classrooms, labs, library and other academic area is strictly prohibited.**
- Students are required to read the notices put on the notice board of the institute. Institute shall not accept any responsibility for any loss/damage incurred by a student owing to his / her failure to read the notices in time.
- Students are required to strictly observe the dress code prescribed by the institute. Any student found guilty of improper dress will be asked to leave the campus, even during institute hours and the student will himself be responsible for the loss of the attendance. Strict disciplinary action will be taken against any student found violating the dress code repeatedly. Director's decision will be final in this regard.
- **Anyone found indulging in ragging in any form within or outside the campus, shall be instantly expelled from the institute.**
- Students are required to show the due regard for the rights and the properties of the institute. Any student found guilty of tampering/damaging the property, fixtures, equipment, furniture, books, building, vehicles, etc. of the institute / society shall be liable for punishment and might be expelled from the institute.
- Students are required to read the notices put on the notice board of the institute. Institute shall not accept any responsibility for any loss/damage incurred by a student owing to his/her failure to read the notice in time.
- Carrying any valuables to the institute will be at the risk of the student and institution will not accept any responsibility of the valuables lost in the institute as well as on the campus.
- Students are requested to note that any application regarding issuing of bonafide certificate, duplicate passing certificate, railways Concession forms, must be submitted at least two working days in advance.
- The behavior of the students at all times, within or outside the campus must be above board and must reflect a sense of responsibility.
- Smoking and consuming tobacco products is strictly prohibited on the campus.
- Any student found misbehaving in the class, lab and behaving arrogantly with the faculty and/or staff or fellow students will be severely punished. The nature of the punishment will depend upon the severity of the offence.
- Identity Card – Every student of the institute must possess the identity card. He/she should always wear it on person while on campus and should produce whenever called upon to do so by the concerned authorities. The loss of Identity Card should be reported immediately to the office. Rs. 100/- will be charged for issuing a duplicate I card.
- **College bus is mandatory for day scholars of 1st Year.**
- **The college hostel is mandatory for 1st Year students residing outside Lucknow.**

Anti Ragging Provisions

Ragging in any form is totally banned and strictly prohibited as per order of the Honorable , Supreme Court of India is SLP (CIV) 24295/2004 on 17 May 2007, extract of which is as follows:-

"Every single incident of ragging where the victim or his parents/guardian or the Head of institution is not satisfied with the institutional arrangement for action. First information report must be filed without exception by the institutional authorities with the local police authorities. Any failure on the part of the institutional authority or negligence or deliberate delay in loading the FIR with the local police shall be construed to be an act of culpable negligence on the part of the institutional authority.

If any victim or his parents/guardian of ragging intends to FIR directly with the police that will not absolve the institutional authority from the requirement of filing the FIR".

Our institute has constituted Anti Ragging Squad to take action against culprits and also to take Anti Ragging measures. Any incident of ragging should immediately be reported or brought to the notice of Anti Ragging Squad of the institute. The action against the defaulter will be :

1. Suspension from attending classes and academic privileges.
2. Deprived of scholarship/fellowship and other benefits.
3. Debarred from appearing in any test/examination.
4. Denied results and it could be withheld.
5. Expelled from hostel and admission gets cancelled.
6. Debarred from representing institute in any event.
7. Rustication from institute for 1 to 4 semesters.
8. Expelled from institute.
9. Debarred from gaining admission in other institutes.
10. Imposition of fine of Rs. 25,000 and upto Rs. 1 Lakh.
11. Collective punishment.
12. FIR will be loaded at the Police Station.

●Some important Phone No. -

1. Proctor - 9451316753
2. Student Welfare Officer (SWO) - 9415013339
3. Hostel Warden - 8299673095

Ragging may land you behind the bars

