

Estd. 2010

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Approved & Affiliated to MGKVP, Varanasi

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



ASHOKA



About Varanasi

Banaras is the most visited pilgrimage destination in all over of India. One of the seven Holy Cities, one of the twelve Jyotirlinga sites and also a Shakti Pitha site, it is the most favored place for Hindus to die and be cremated. Myths and hymns speak of the waters of the River Ganges as the fluid medium of Shiva's divine essence and a bath in the river is believed to wash away all of one's sins. The particular river-side location of Banaras is considered especially potent because, in less than six miles (ten kilometers), the Ganges is met by Mo other rivers, the Assi and the Varuna. Commenting of this specific location of Banaras along the river Ganges, the Hindu scripture Tristhali setu explains that, There whatever is sacrificed, chanted, given in charity, or suffered in penance, even in the smallest amount, yields endless fruit because of the power of that place. Whatever fruit is said to accrue from many thousands of lifetimes of asceticism, even more than that is obtainable from but three nights of fasting in this place. Known in different eras as Avimukta, Varanasi and Kashi, meaning "where the supreme IigN shines™, this great north Indian center of Shiva worship has had more than 3000 years of continuous habitation.

Few standing buildings are older than the 16th century, however as Muslim armies raiding from the 11th century onward destroyed the ancient Hindu temples and erected mosques on their foundations. Qutbuddin Aibak's armies were said to have destroyed more than a thousand temples in 1194, and Shah Jahan, the builder of the Taj Mahal, had demolished seventy-six temples. The city's primary Shiva shrine, the Jyotirlinga Visvanatha or 'Golden Temple', was rebuilt in 1776 across the road from its original location (now occupied by the Jnana Vapi mosque). Adjacent to this mosque is the Jnana Vapi well, the ritual center and axis mundi of Banaras. The Jnana Vapi, or Well of Wisdom, is said to have been dug by Shiva himself, and its waters carry the liquid form of Jhana, the light of wisdom. The imposing Alamgir mosque stands on the site of another of Kashi's most ancient and sacred shrines, the temple of Bindu Madhava. In Hindu Kashi, it is said there are thirty-three hundred million shrines and a half a million images of the deities. Since a pilgrim would need all the years of his or her life to visit

each of these shrines, it is considered wise to cure to the holy city and never leave again. While its enormous number of shrines are perhaps at times exaggerated, Kashi does indeed have many hundreds of beautiful temples. Some of these temples are named after the great tirthas, or pilgrimage centers, in other parts of India - Rameshvaram, Dwarka, Puri, and Kanchipuram, for example - and it is said that merely by visiting Kashi one automatically gains the merit of visiting all other sacred places. Most pilgrims make short visits of days or weeks to Kashi, while others come to spend their remaining years in the holy city. Those who come to Kashi with the intention of dying there are called *inimuktas* - those who are liberated while still alive. Kashi is also traditionally called *Mahasharir*, the great crematorium. Hindus believe that cremation at the holy city ensures *moksha*, or liberation of the soul from the endless cycle of birth, death, and rebirth. Because of this belief, dying persons and dead bodies from far-off places are brought to Kashi for cremation at the *Manikarnika* and other cremation sites (Mt. Pradipal and eighty-eight minor cremation/bathing sites lie along the Ganges). In her book, *Banaras: City of Light*, Diana Edwittes writes: 'Death in Kashi is not a feared death, for here the ordinary God of Death, the terrible Yama, has no terror. Death in Kashi is death in comfort and peace, death transcended.' Encircling the holy city at a radius of miles - the sacred path known as the *Panchaleashi Parikrama*. Pilgrims take five days to circumambulate Kashi on this fifty-mile path, visiting 108 shrines along the way. If one is unable to walk the entire path, a visit to the Pariehashi Temple will suffice. By walking round the sanctuary of this shrine, with its 108 legends of the temples along the sacred way, the pilgrim makes a symbolic journey around the sacred city. Another important Banaras pilgrimage route is the *Nagara Pradakshina*, which takes two days to complete and has seventy-two shrines. Today, a crowded, bustling, noisy Banaras was historically an area of (pity) rolling hills, lush retests, and natural springs bordered by the magical waters of the river Ganges. A favored hermitage for many of India's most venerated sages - Gautama Buddha and Maharshi Menhir - Kabir Das, Shanharacharya Ramana and Patanjali all mediated here - Banaras has been and continues to be one of the most visited holy places on the planet. First-time visitors to Banaras may find themselves initially overwhelmed by sensory stimulation, but beneath the steam is a presence of peacefulness and spiritual wisdom. Readers interested in studying Banaras in greater detail are encouraged to consult the works of Diana Eck, Roger Housden, Smith Kumar, and Rana Singh listed in the *Index Bibliography*.



DR. A.P.J. ABDUL KALAM TECHNICAL UNIVERSITY (FORMERLY UTTAR PRADESH TECHNICAL UNIVERSITY)

Uttar Pradesh Technical University was established by the Government of Uttar Pradesh on 8th May 2000 vide Act No. 1248(2)XVII-V-I-I-19-2000 Uttar Pradesh Adhiniyam Sankhya 23 of 2000. Under the University Act, 'Technical Education' includes programmes of education, research and training in Engineering, Technology, Architecture, Town Planning, Pharmacy, Applied Arts & Crafts and such other programmes and areas that the central Government may in consultation with All India Council for Technical Education (AICTE) by notification in Gazette declare.

The University is affiliating in nature and its jurisdiction spans the entire state of U.P. in affiliating B.Tech., M.B.A., M.C.A., B.Arch., B. Pharma., B.H.M.C.T., M.Tech. and Ph.D. programmes in 785 colleges/institutions imparting graduate, postgraduate and doctoral level training in all government and private institutions located all over U.P. in engineering, technology, architecture, pharmacy, hotel management and catering technology as well as M.B.A. and M.C.A. programmes.

U.P. being the largest state of India with an area of around two lacs forty thousand square kilometers and population of more than 165 million people makes AKTU as one of the largest technical universities not only in India but perhaps in Asia. Because of its gigantic size and number of colleges affiliated to it and geographic dispersion, it has been subdivided into five zones with 150-160 colleges in each zone for the ease of management and facilitating inter-zonal comparison and possible internal competition to enhance quality of teaching-learning processes.

AKTU envisions to facilitate and nurture the quality of technical education and research in its own premises as well as all affiliating institutions. The total number of affiliated colleges was 49 in the year 2000 which has now gone up to 800 and the University is still growing. The task of the AKTU at the moment includes conducting the State level Entrance Examination UPSEE for admission to various programs affiliated to AKTU. Around 2,00,000 aspirants to AKTU take these entrance examination all over U.P. and in parts of Uttrakhand and Delhi. The University conducts central examinations each semester for all the affiliated colleges and institutions and declares results quickly using technology-enabled systems. At present around 3,00,000 students are enrolled in its various programmes.

More than 80,000 students are admitted every year. Medium of instructions and examinations is English.

AKTU is currently located in I.E.T. Campus at Sitapur Road in the Capital of U.P. at Lucknow but is in the process of having its own Headquarter building in its vicinity.

AKTU also has a NOIDA Centre and Regional office to facilitate closer academic and industrial interaction around that zone where a prominent cluster of private affiliated colleges exists.

As enshrined in the University Act, the University aims to provide and upgrade education, training and research in fields of technical education, and to create entrepreneurship and a conducive environment for pursuit of the technical education in close co-operation with industries. Further, as a very distinguishing feature of its vision, the University aims to make provisions for the advancement of technical education amongst classes and communities which are educationally backward.

To fulfill the above broad vision, the University develops flexible and innovative academic programmes and procedures that cater to a very broad range of students with different background, and prepares them to compete at the national and international levels.

In addition to transmission of knowledge through a very well thought teaching pedagogy, the University lays a strong emphasis on knowledge creation through a well planned research programme in emerging areas, and application of knowledge by undertaking issues and problems from the industry.

Apart from academics, the University lays a very strong emphasis on the overall development of a well rounded personality of its students with both professional and emotional maturity to take up the challenges in their chosen profession, and to contribute to the development of society.

From the Desk of Vice Chancellor



Professor
Dr. P.K. Mishra
Vice Chancellor
(APJAKTU)

By the virtue of the blessings of Supreme Power and good wishes of you all. I felt immense pleasure to share that I have taken over the change of Vice Chancellor of Dr. A.P.J. Abdul Kalam Technical University, U.P., Lucknow.

My every endeavour for this university will be dedicated towards advancement of knowledge and educate our students in science, technology, and other distinguish areas of scholarship that will best serve the community, society, nation and the world in the 21st century at large.

To cater the educational needs of the students and society the university will be committed to generate, disseminate, and preserve knowledge and to working with others to bring this knowledge to bear on the country's great challenges. It will be dedicated to providing its students with an education that combines rigorous academic study and the excitement of discovery with the support and intellectual simulation of diverse stakeholders. Being a head worker of the university I will be looking forward to develop in each member of the APJAKTU community the ability and passion to work wisely, creatively and effectively for the batterment of humankind.

Any Institute of higher education should be known by its research activities. My prime priority will be promise research activities at APJAKTU which aims to develop innovative solutions to the community's most daunting challenges. By addressing the most challenging needs of every quarter of our life, APJAKTU's research efforts will be fostered on the module of creative collaborations with leading research institutes and consortia across the county and around the world . By creating a good ambience of research and academics it would be a place of extraordinary interactions. Definitely, it would be very much helpful in illuminating ideas and fostering intellectual breakthroughs.

In addition to, my priorities are quality enhancements in science and technical education offered by institutions affiliated to APJAKTU and facilitating and intensive efforts to nurture good faculty. The journey to excellence and quality is a continuous and rigorous process. It involves participation of everyone whole heartedly in a snared mission of excellence and learner centred orientation in our approaches are processes. I am in the process of identifying improvement agenda and a roadmap to enhance quality and improve students's satisfaction, community satisfaction and employees satisfaction by improving quality of all academic processes, research endeavour and organisational climate. I need wholeheartd support of each one of you in this noble mission. Your continuous feedback will be very much supportive in creating brand in the field of technical education and ultimately in the development of the county.

Anticipating your continuous feedback to improve the whole system!
With warm wishes.

About Ashoka

ASHOKA Institute of Technology and Management (ASHOKA) came into existence on February 22; 2010 located at heart of the holy city Varanasi at the distance of 3.5 km from the Varanasi Cantt Railway Station and is also near to the place of 1st speech of Lord Buddha, Sarnath (Rishipattan) at the distance of 1.5 km. The institute's location adds vibrancy of the campus and makes it an ideal place for learning. It is safe, secure and provides excellent academic environment. It offers Diploma in Pharmacy, B.Tech in six Engineering disciplines (Computer Science and Engineering, Mechanical Engineering, Electronics and Communication Engineering, Electrical Engineering, Civil Engineering and Biotech), B.PHARM, BBA, B.COM and MBA in 4 specializations (HRM, Marketing, Finance, IT). It aims to excel in arena of technical education covering the objective of imparting superlative skills of teaching hinged on availability of world class infrastructure. Institute believes in conveying such qualitative knowledge that enables budding technical wizards to accept the challenges of posterity. Our sprawling campus studded with plush facilities will go a long way in giving much needed inputs to students of UP in general and Purvanchal in particular. Our integrated campus is first of its kind to offer Managerial, Pharmaceutical and Engineering studies under one umbrella in the competent and dynamic leadership of top class academic stalwarts. The institute also intends to ensure holistic growth of students in order to make them accountable for societal and national elevation and amelioration. It has already become a trend setter in professional education in eastern up owing to the strong foundation laid by great minds, assisted by highly qualified faculties and supported by excellent infrastructure and amenities. May our students prove themselves as scintillating stars in sphere of scholastic pursuit of knowledge! BBA, B.COM, Approved & Affiliated By MGKVP - Varanasi, D.PHARM BY BAEL OF Technical Education, Lucknow. B.TECH & MBA courses are approved by ALL INDIA COUNCIL FOR TECHNICAL EDUCATION (AICTE) and B. PHARMA by PHARMACY COUNCIL OF INDIA (PCI) and the institute is affiliated to Uttar Pradesh Technical University (UPTU) Lucknow.

VISION

"To become a technical institute of International Standards with human values through continuous improvement with the help of our dedicated team"

MISSION

"To provide world class education in engineering, technology, pharmacy and management, to enhance research and development, encourage creativity, promote innovation, build leadership, entrepreneurship, nurture team work and satisfy stakeholders"

POLICY

- Best standards and practices of good governance, shall be put in place to bring in transparency of operations and improve credibility at all levels.
- Ready professionals to be developed through interactive teaching learning process, corporate exposure and project work for industry.
- Higher studies research for faculties & staff shall be encouraged for up gradation

of knowledge which would inter alia include participation in TEQIP's, Seminars, and workshops etc.

- Appropriate laboratory facilities would be developed in selected areas to provide fillip for Research & development.
- Industrial consultancy shall be carried out in an effective manner through Industry Institute Partnership

AKTU-641
BTE-4186

The Winner All Along ASHOKA INSTITUTE

AWARDED AS
NO. 1
ENGINEERING COLLEGE OF EASTERN UP
BY ZEE MEDIA



Ranked Among Top 15 Colleges
of North India For Qualified
Faculty And World Class Campus

WELCOME LETTER FROM CHAIRMAN



Er. Ankit Maurya
Chairman
Ashoka Institute

Dear students

I, with immense pride, announce that Ashoka Institute of Technology and Management, Varanasi - a unit of Surabhi Charitable Trust is on the threshold of entering its 12th year. In the past years of glory and glee our students have repeatedly made us proud by getting appeared in UPTU merit list. With these achievements to our credit, the institute has rightly earned glittering reputation and excellence in the field of Engineering, Pharmacy and Management Education.

Today we are proud and humbled by the success of our persistent endeavor to disseminate knowledge globally. For realizing this endeavor; we are continuously pursuing a challenging curriculum which provides opportunities for academic achievements, personal growth and professional development. We meticulously scale greater heights of excellence meeting reposed expectations of society.

We work towards molding our students into dynamic professionals as they tread the path of countless successes. Our students are positively encouraged to make presentations on topics pertaining to their academics as well as those of recent emerging interests. Moreover they are trained to face constructive criticism by the ambiance created to them. These steps have not only aided the development of students but also have given a 100 % leap in their placements.

Our institute is known for providing “winning code” to students by the help of our esteemed and well qualified faculties who impart the best practices of education and of the corporate world. In addition, the geographical location of the institute in the midst of the holy city Varanasi helps students cultivate a business oriented attitude with calm persistency. Time and again it has proved to be immensely conducive for their career growth. I welcome you to explore all the dimensions that make our institute, fountain head of prospective technical & managerial talent in Varanasi in Engineering, Pharmacy and Management.

Er. Ankit Maurya

WELCOME LETTER FROM VICE CHAIRMAN



Mr. Amit Maurya

Vice Chairman
Ashoka Institute

Dear students ...

"We cannot always build the future for our youth, but we can build our youth for the future."

- Franklin D. Roosevelt

The above lines of Franklin D. Roosevelt are indeed true in today's altering state of the corporate, thus the institute working on the philosophy has stepped in 2017-18 session crossing 7 flourishing years. We have grown in size, variety and quality in Technological and Managerial education that is imparted to the pupils from far and near. Through these milestone years, we have brought the students, the best of all. Walking a long way since 2010, with B.Tech. , B. Pharm and MBA we are on zenith in Engineering, Pharmacy and Management Education.

It is a matter of great pleasure and pride that the institute is providing an excellent quality education and mentoring the students, aspiring to be competent professionals in Technology and Management research projects under AICTE funding. The endowments have been initiated in the institute for the benefit of students, faculties and in the development of this region as well as for the society at large.

With the student's strength of two thousand at ASHOKA, our efforts are directed to accommodate and address the expectation of every student by the way of enabling them to participate in seminars, workshops, and out of the institute giving them the groomed exposure apart from educational tours and industrial project works. Our Institute has state of the art infrastructure, facilities, ambience and organizational culture to nurture your thinking and understanding in your pursuits to perfect your professional knowledge and competence. To refine the necessary attitude, aptitude and skills to achieve placement in corporate sector the institute is supportive to the students by arranging periodic test and group interaction exercises. The institute is on the course to raise its global prominence. To enhance its position as an alleged leader in Technical education and thought generation, ASHOKA is further strengthening its research base and inspiring diversity in perspectives.

So heartily welcome to you all for being a future milestone of ASHOKA.

Mr. Amit Maurya

From the Desk of Director Ashoka

DR. Sarika Shrivastava

Director
B.Tech., M.Tech., M.B.A., Ph.D.
(Electrical Engineering)



I am delighted to welcome you in Ashoka Institute of Technology & Management, an institution committed to leveraging its facilities & system of world class standards to provide quality education in engineering, pharmacy & management & prepare our students for a global sojourn. Ashoka Institute is acknowledged as a state leader in teaching and learning, student relationships and wellbeing.

Our credo is holistic development of each student & inculcation of values & ethics to build lifelong learning systems. We are committed to provide the right ambience and academic environment to each student for unleashing their full potential, thus helping them reach glorious heights of professional excellence. World-class infrastructure, green Wi-Fi campus, state-of-the-art amenities united with a galaxy of competent, talented and dedicated faculty contribute to an enjoyable and conducting learning experience. Our distinguished faculty from IITs, IIMs, NITs, renowned universities, international laboratories & top industries are at the forefront in research & involved in development & implementation of innovative ways of imparting education to enhance student learning. We have well equipped, research oriented labs and rich library to help students in attaining highest standards in academics, research and professional skills. AHOKA engages closely with organizations across industries and sectors to co-educate and develop managerial talent, to co-create new ideas and understanding. The campus also has ample infrastructure for indoor & outdoor sports. The Institute is committed to serve our students in such a manner that they are able to uncap their talent and transform themselves into creative, sensible and committed technical manpower dedicated to serve the nation.

My heartiest congratulations to you, for choosing ASHOKA as your Alma Mater.

I wish you all the very best for a memorable, meaningful and enjoyable time in Ashoka Institute and hope that you with your good deeds will enhance the pride & prestige of this prestigious institute.

DR. Sarika Shrivastava

Message From The Principal (Pharmacy)

Dr. Brijesh Singh

M.Pharm., Ph.D.

(Pharmaceutical Sciences)



It is my privilege to welcome you to the Ashoka Institute of Technology & Management, Varanasi. It gives me immense pleasure to lead the Department of Pharmacy as Professor & Principal. Our institute is a premier institution of Pharmaceutical Education and Research in the eastern Uttar Pradesh. The institute has covered a long and glorious journey of 12 years, starting in 2010 and is duly approved by All India Council for Technical Education (AICTE -New Delhi), Pharmacy Council of India (PCI) and affiliated with Dr. A.P.J. Abdul Kalam Technical University, Lucknow (Formerly UPTU - Lucknow). Department of Pharmacy has been setup with the sole aim to be a center of excellence by providing quality education and skills to young professionals and contributing to the field of pharmaceutical education.

Here the blend of academic experts, dynamic & well qualified faculty, industry- academic interaction and research facilities makes it the best choice to launch your career along with the enhancement of your professional skills.

We also believe that education is not about teaching curriculum, it is about the development of human intellect, training through the process to face professional situations with confidence. It is about the development of personality, interpersonal skills and instilling the right value system. We encourage the students to learn beyond the syllabus by organizing project clubs, literary events, social activities, participation in national level competitive events, etc. We believe in awarding the best performance of students to encourage them besides being an inspiration for others. A highly active Training and Placement cell, apart from keeping a constant monitoring of the personality development, training and development of the students, also assists the students to be well placed in the corporate sector.

The students of Ashoka Institute will be able to utilize the infrastructure and prove themselves as talented professionals to meet the global challenges ahead. I wholeheartedly welcome all the aspiring and brilliant students to this Institute and wish them a highly exciting and successful professional career.

Dr. Brijesh Singh

From the Desk of Principal Ashoka

Dr. C.P.Mall

Principal
Ashoka School of Business



Ashoka Institute of Technology and Management is a distinct brand in eastern Uttar Pradesh which offers a broad range of programme in the field of Engineering, Management & Pharmacy. Every programme is designed to nurture innovators, entrepreneurs, Engineers and pharmacists. Infact, each & every programme of the Institute enable students to find the route to success by putting theory into practice, discovering and implementing innovative solutions to real-world problems, thereby enhancing the core competencies of students .

The focus of Ashoka Institute is to make every graduate industry- ready, and expose them to the latest trends in the dynamic world; It provides the students with the best facilities as found comparatively in other best institutions of the country. . Innovative teaching pedagogy is the hallmark of the Institute. The Institute has an ideal teacher-student ratio, a contemporary academic curriculum, regular interaction with Industry experts & professionals from various domains.

The Institute instills a deep respect for value system to groom their students so, that they are let on the glistening trial of goodwill & esteem. The dedicated faculties are committed to the task of ensuring that students are well trained to meet the demanding challenges in this competitive world. Further, the Institute focuses on retaining the rank of superiority in command & march further ahead in every sphere for the development of the students

Dr. C.P.Mall
Principal
Ashoka School of Business

Message From The Head T & P

O P Sharma

Qualification: M.Tech (IT), BE (Electrical)

Experience: 18 Year



It gives me immense pleasure in representing the Ashoka Group to the corporate world.

Ashoka believes in providing not just placement opportunities for our students, rather we believe in 'Career development & Shaping' which includes Quality Training, Internship Opportunities, Placements, Higher Studies Support, Entrepreneur Support and building strong Alumni Relations.

Career Guidance and Personality Development programs are regularly organized to make the students Industry ready and highly motivated so that a smooth transition from Campus to Corporate takes place. Summer Training and Internship programs are offered to the students as they gain Industry exposure in the cutting edge technical fields.

Training & Placement Cell is provided with all the facilities to enable deserving students of Ashoka to get quality placements. The department is well equipped with excellent infrastructure to support each and every stage of the placement processes in the campus. We impart right skill and domain knowledge to students to make them competent engineers, managers and pharmacists. The department organizes activities and workshops that enable students to be effective team leaders as well as team players.

The institute places special emphasis on inculcating corporate values and skills required for complex decision-making, besides developing superior expertise on functional domains and garnering business knowledge with strong Institute- Industry Partnership.

It would be our immense pleasure to welcome you aboard for our campus engagement process.

O P Sharma
Head- T&P

INFRASTRUCTURE

The campus spans more than 13 acres comprising lush green lawns dotted with high-tech laboratories and modern buildings state of the art labs and workshops for the students on hands practical training.

Scholarship

The college administration provides an encouragement and financial support system to its scholarship programme:

- Ashoka merit scholarship for D.Pharm students
- Ashoka merit scholarship for BTech students
- Ashoka merit scholarship for B pharma students
- Ashoka merit scholarship for MBA students
- Ashoka merit scholarship for BBA & B.Com students

Award and recognition

Best emerging Institute of injuring from eastern UP (under private college category)

Mr. Amit Maurya vice-chairman Ashoka Institute. as a young and dynamic educationist of the year.





- 🏆 Institute has been awarded for Excellence in Education Certificate by Shri Ram Naik, Hon'ble Governor, Uttar Pradesh in June,2019.
- 🏆 Secured 1st position in KEL Parikrama in September'18.
- 🏆 Institute has got Certificate of Excellence for "Best Emerging Institute of Engineering from Eastern UP (Under Pvt. College Category).
- 🏆 One Planet Research (INDO ITALIAN RESEARCH CENTRE), New Delhi has awarded to Ashoka institute as a "Best Academic Institute In The Eastern Uttar Pradesh" under the guidance of Mr. Amit Maurya.
- 🏆 Got the Education Excellence Award for Best Infrastructure amongst Pvt Engg. College in Eastern UP.
- 🏆 Has been awarded as Ranked No.1 Pvt Engg. Institute for Academics in Varanasi in 2014 by National Education Excellence.
- 🏆 Excellence award for Higher Education in Brand Icon 2018-Excellence in Business by The Times of India Group.
- 🏆 In WORLD BRAND SUMMIT DUBAI-2016 awarded as "Emerging Technical Campus of the Year"
- 🏆 Award for Excellence of Education as "Most Promising Pvt. Technology & Management College in Varanasi".
- 🏆 Varanasi Local Chapter for Institution of Engineers.
- 🏆 Nodal Centre for "Virtual Labs" in association with IIT-Delhi.
- 🏆 Centre for Spoken tutorial in association with IIT-Mumbai.
- 🏆 Intellectual Conference on Happiness & Well being in association with Royal University of Bhutan.
- 🏆 National Conference on "Emerging Trends in Science, Technology & Management, ETSTM-2019
- 🏆 Top position in 27th Dr. Kalam Startup Parikrma by 2nd yr B.tech Students of Ashoka Institute.
- 🏆 2nd Position in Kalam Annual Project and Poster Technical Competition" – 2019 (KAPPTeC)
- 🏆 UPCST funded the project on "Medical ATM" by Ashoka Student, Mr. Vanshraj Jaiswal, ECE.



Ashoka Institute.
supports the development
of communication and
interpersonal interactive skill
for the overall personality
developing of students

Infrastructure

Student-teacher relations

Strong interpersonal communication between the students and the teachers so that teachers know the students personally at Ashoka Institute there is strong bonding and understanding between teachers and students, and an innovative mentorship program has been introduced in the college that guides and solves the problem of student.

Development Programmes

Out of classroom teaching emphasised personality development programmes and grooming sessions for students for a pre-final and final year Iâ€™m In and speakers regularly visit in Ashoka campus.

Ashoka Institute supports the development of communication and interpersonal interaction skills for the overall personality development of students and hence offers and organise programmes including group discussion aptitude test technical presentation PDP and career launcher is sponsored projects which benefit the student with qualities like commitment Hardwork communication skill and team spirit.



COMPUTER SCIENCE AND ENGINEERING

- Internet Technology Lab
- Object-Oriented Programming Lab
- Software Engineering Lab
- And Unified Modeling Language Lab
- Database Management System Lab
- Computer Graphics Lab
- Data Structures Lab
- Assembly Language Lab

CIVIL ENGINEERING

- Environmental And Pollution Control Lab
- Surveying Lab
- Geology And Geo-Technology Lab
- Transportation Engineering Lab
- Hydraulics And Hydraulic Machine Lab

- Structural Engineering Lab
- Concrete Lab

ELECTRICAL ENGINEERING

- Electrical Machine Lab
- Control System Lab
- Power System Lab
- Power Electronics & Drives Lab
- Basic Electrical Lab

ELECTRONICS & COMMUNICATION LAB

- Electronics Lab
- Digital Electronics Lab
- Microwave Injuring Lab
- Signal Processing Lab
- Microprocessor Las
- Optical Fiber Lab



MECHANICAL ENGINEERING

- Workshop
- Auto Mobile And Thermodynamics Lab
- Hydraulic Lab
- Material Testing Lab
- Theory Of Mechanics Lab
- Cad/ Cam Lab
- Heat And Mass Transfer Lab
- Ms Lab

BIOTECHNOLOGY

- Microbiology Lab
- Genetic Engineering Lab
- Molecular And Cell Biology Lab
- Analytical Techniques and Bioprocess Lab
- Engineering Lab
- Bio-informatics Lab
- Biochemistry And Immunology Lab

- Fermentation & Biotechnology Lab

B PHARM/D PHARM

- Pharmaceutical Lab
- Pharmaceutical Chemistry Lab
- Pharmacology Lab
- Microbiology Lab
- Pharmaceutical Analysis Lab
- Sophisticated Instrumentation Room
- Computer Lab
- Machine Room
- Pharmacognosy Lab

MANAGEMENT AND APPLIED SCIENCE

- Computer Lab
- Communication (Language) Lab
- Physics Lab Chemistry Lab
- BBA & B.COM

LIBRARY

Libraries are the spine of any elegant society and the heart of any academic institution. Thus the library at Ashoka also acquires a prominent place among the students and faculties. Students in an area of 3000 square meters, it is a central place for academic and research activities. The library has a well-equipped hall with a seating capacity of 100 STUDENTS, it has a very rich collection of relevant books, journals, magazines; reference books, E-journals, and E-books, meeting the modern age requirements. More than 15,000 books are accessible to meet the thirst for teaching and learning and to satisfy academic needs. For making students better citizens of society, the library provides books on life skills and guidance for enlightened and scholarly readings. Students are provided, on special request, a copy of projects reports giving them inputs for research based on industries and managerial section.

It began a key division within Ashoka so its service has five major areas of concern:

- Student section
- Reference section
- E-library (Digital) section
- Faculty and research support section

Information gathering and liaison section (Periodicals). Our central help desk also provides faculty with Online Public Access Catalogue (OPAC). Library services also offer a portfolio of services to an extensive network of affiliated departments. Several foreign and national journals are being subscribed online to facilitate the ongoing research activities and to expand the area of future research activities.





Conference Hall

Institute is having seminar hall for lectures, seminars, symposiums, etc. The hall is intended to congregate the setting of 500 spectators at a time with the two central air conditioners. The hall has reassuring chairs, for better echo it has a digital chorus and projectors with net availability. Many academics events go on throughout the year for imparting quality education to future Engineers and Managers.

Ashoka is endowed with one of the best Conferencing facilities comparable to any of the top B-schools in the country. The conference room is caustically designed and aesthetically decorated, it is fitted with all the modern audio-visual gadgets which include LCD projectors, computers, DVD systems, and CD players, along with video conferencing facilities.

GD room

We create the potential for future transformation into a golden era and confer students an edge for Debate. Group Discussion and presentation of these methodologies and channelized on a HABITUAL basis. Our students are also having a well-furnished GD room. Numerous events are conducted there. The room is also utilized for the events held at Ashoka partnering with training and placement.

GENERAL FACILITIES

For making the research available and easy for Trail of the whirlpool, College provides transportation at all major routes with highly comfortable AC and non-AC buses, cabs, and taxis, at a conveniently affordable price. Facility to students and staff on every route keeps them punctual and timely. It covers almost all the roots of the holy city Varanasi. A transport facility is also available outside of Varanasi.

Healthcare.

A healthy body bears a healthy mind so in the streak of academics and for the well-being of the student, Ashoka has routine health and medical checkup schemes. Our experts in health education and research continuously observe the issues relating to the fitness of the students and faculty as well. We have a first-aid section, medicine section, and health awareness section. Routine checkup section and other observatory units.

Wi-Fi campus

To make the students techno-savvy running in today's scenario of rapidly revolutionizing the world Ashoka to its scholars provides a Wi-Fi facility to access the net almost at any time on the campus anywhere. Envisioning our dreams, we provide high-speed Internet facilities to go beyond the horizon of knowledge and to explore more and more emerging technologies, Managerial skills, and Revolutions in the Pharmaceutical world.

Parking

One of the basic requirements of populating the city of Ashoka is having sufficient space for Parking for the students and visitors coming to the premises of the institute parking plots. As the potency exceeds more than 2000 the parking lot is sufficiently provided as it has the strength of 3000 vehicles to stand at a time.





Courses offered

B.TECH IN CIVIL ENGINEERING

4-year full time approved by AICTE and affiliated to AKTU, Lucknow

B.TECH IN COMPUTER SCIENCE AND ENGINEERING

4 years full time approved by AICTE and affiliated to AKTU, Lucknow

B.TECH IN ELECTRICAL INJURING

4 years full time approved by AICTE and affiliated to AKTU, Lucknow

B.TECH IN ELECTRONICS AND COMMUNICATION ENGINEERING

4 year full-time approved by AICTE and affiliated to AKTU, Lucknow

BTECH IN MECHANICAL ENGINEERING

4-year full time approved by AICTE and affiliated to AKTU, Lucknow

B.TECH IN BIOTECHNOLOGY

4 year full-time approved by AICTE and affiliated to AKTU, Lucknow

B.PHARM

4-year full time approved by AICTE and PCI Delhi affiliated to AKTU, Lucknow

D.PHARM

2-year full time approved by PCI Delhi affiliated to BTE, Lucknow

BBA & B.COM

3-year full time approved & affiliated by MGKVP, Varanasi

MASTER OF BUSINESS ADMINISTRATION

2-year full time approved by AICTE and affiliated to AKTU, Lucknow



1. Department of Biotechnology

Biotechnology at Ashoka has been established in 2011, to integrate life science and engineering and develop cutting-edge technology through research, training, and technological innovation. Since its inception, the department has witnessed a consistent rise in the student demand for the subject. The department is well equipped with all necessary instruments and several research facilities. The department has a young, enthusiastic, and well-qualified faculties actively involved in research and teaching. The teachers are available to students for academic as well as personal counseling. The department has been encouraging the students to think independently as well as implementing research ideas. During this short period, the discipline has grown in every sphere. Students having a degree of B.Tech. Biotechnology could claim themselves as high-quality bioengineering professionals. Amongst the various career options Some are like below:

Biotech industries, Higher Education, Research and Development, Food and Drug Development Pharma Industries, Government Sector and Teaching.

SALIENT FEATURES

Collaboration with IIT, BHU, and Varanasi for students Training.

Capable faculty who can take the students to a great height.

Suitable infrastructure for Study and Research

Emphasis on learning through National Conferences Seminars and Workshops.

Emphasize a paper published in national and international general of repute.

Department is fully equipped with six-core laboratories.



Laboratories and other facilities

1. Fermentation and Food Biotechnology Laboratory

Fermentation is the decomposition of a chemical substance, brought by ferments, resulting in the production of simpler substances and, often of energy, an instance of this, especially the anaerobic, breakdown of glucose Lactate or ethanol. Food Technology is the branch of biotechnology that will utilize its principal and technique for more production, quality enhancement, and shelf-life of food products.

2. Analytical Techniques and Bioprocess Engineering Laboratory

Analytical Techniques and Bioprocess Engineering laboratory deals with the qualitative and quantitative determination of substances in living systems using various analytical and bioprocess methods such as ultra-centrifugation, Electrophoresis, or chromatography. Its importance is in the identification and characterization of specific substances.

3. Microbiology laboratory

Microbiology is the backbone of biotechnology in which we use microorganisms or cultural cells to produce useful materials, such as antibiotics, beverages, enzymes, and some commodity chemicals.

4. Genetic Engineering, Molecular and Cell Biology Laboratory.

Genetic Engineering, Molecular and Cell Biology laboratory or recombinant DNA technology focus on the experimental or industrial approaches involving modification of the genome of a living cell that does not involve the normal sexual or asexual transmission of genetic material: the manipulation of the genetic complement of a cell to alter the functions or the products of the cell. Thus a cell may be designed that is capable of new functions or that is capable of synthesizing either new chemicals.

5. Bio-informatics laboratory

The mathematical, statistical, and computing methods that aim to solve biological problems using DNA and amino acid sequences and related information is Bioinformatics.

6. Biochemistry and Immunology laboratory

Biochemistry and Immunology laboratory focus on understanding biological chemistry and immunity and related phenomena and resistance to infections disease.

2. Department of Civil Engineering

Civil Engineering is the mother of all engineering branches. This department provides, Laboratories, Sessional, and site visits apart from regular classes. Various laboratories like surveying, computer-aided drafting and design, engineering geology, structural engineering, soil mechanics and foundation engineering, fluid mechanics, hydraulics machines and cement and concrete, are provided with the latest equipment and give practical exposure to the students. The department provides exposure to the students, making them aware of various materials, transportation, computer aided Design, etc. Also, the Sessional classes provide students with an opportunity to work with the latest technology. After completion of this course there is plenty of opportunities for students in Govt., Public and Private domains as civil engineers.

Salient Features

- Department is having highly qualified and experienced Faculty to cater to the need of our future generation.
- Department is equipped with high-quality equipment and Laboratories.
- Workshops, Laboratories, and Field surveys are the most important part of our Curriculum.
- Department aims to prepare Scholars like 'ARJUNA' The warrior of tomorrow through a focused approach.

Laboratories and Other Facilities

Civil Engineering laboratories are equipped with high-quality equipment procured from internationally famous manufacturing firms.

1. Environmental and Pollution Control Laboratory

Environmental and Pollution Control Laboratory is equipped with state-of-the-art equipment to test the pollutants in air and water. In this lab, BOD (Biochemical Oxygen Demand) & COD (Chemical Oxygen Demand) are also determined in the wastewater and further, suggestions are made for the treatment of the same.





2. Concrete Laboratory

In this laboratory, students learn about testing the compressive strength of concrete. Students are taught to design concrete of required compressive strength after determining the basic properties of ingredients, namely, cement, coarse aggregates, fine aggregates, and water.

3. Surveying Laboratory

The Surveying Laboratory enables students to understand the basic principles of surveying by conducting field exercises using surveying equipment like a compass, levels, theodolite, total station, plane table, etc. Most of the field exercises are conducted outside the laboratory room to gather field survey data using state-of-the-art surveying equipment. Reduction and calculation of the field data for final results are performed in the laboratory room.

4. Geology & Geo-technology Laboratory

These two laboratories are necessary for a Civil Engineering student to gain insight into Civil Engineering. In Geology lab the students learn to identify the various stones, rocks and also study about the faults, fissures, dips, strikes, etc. In the Geo-technology laboratory, students learn about various properties and behavior of soils.

5. Transportation Engineering Laboratory

In the construction of highways, various materials are used. These materials are supposed to meet the strength, abrasion impact, properties as laid down in IRC Codes. The laboratory is equipped with state-of-the-art equipment procured from AIMIL.

6. Hydraulics & Hydraulic Machines Laboratory

This laboratory has state-of-the-art equipment to understand the behavior and properties of water and verify certain theorems related to fluid flow. The characteristics of fluid or hydraulic machines like Centrifugal pump, Pelton Wheel, Francis Turbine, etc., are also studied.

7. Structural Engineering Laboratory

This laboratory teaches students the behavior of various structural elements like columns, beams, trusses, etc., under different support conditions. The various theorems of structural engineering are also verified by seeing the actual behavior under different loading and support conditions.



3. Department of Computer Science & Engg.

This Department deals with both software and hardware aspects of computer which provides ways to speed up and optimize the work not only of the industry but also of common people. It deals with the development, utilization, inter- relations and confluence of computers, networking, telecommunications and technology and technology management in the context of global interests. The Department of Computer Science and engineering has been dedicated towards creation of an innovative academic environment, which focuses on the overall development of students as well as faculty. Besides academic courses, research and innovation are given due importance. After completion of this course student will be placed in Govt. as well as in corporate sector as a System engineer, Assistant engineer, Programme developer, Software engineer, Trouble shooting expert and Data based administrator.

SALIENT FEATURES

- The hardware configuration is professionally selected and is supported by suitable application software
- There are suitable power inverter and UPS with adequate power back up to the computers in case of power failures
- Internet facility is provided in the laboratories through a 15 Mbps lease line based on Radio Frequency (RF)
- Computer engineering laboratories develop the software skills of students. These laboratories are concerned with
- designing and manufacturing of computer on one hand and development of computer programs on the other. The laboratories are well
- furnished and air conditioned.
- The machines are all Intel(R) Pentium with Dual Core CPU, 2GB DDR2 RAM, 500 GB to 1 TB hard disk with TFT monitors. All machines
- have been loaded with authorized software.



Laboratories and Other Facilities

1. Internet Technology Laboratory

Students are provided with the technology back up to work efficiently on the research based projects and operations. Computer laboratories with huge capacity are provided for students to complete the major, minor and other similar project work.

2. Object Oriented Programming Laboratory (Java/C++)

The laboratory facilitates students to understand programming paradigms and know the factors affecting the complexity of software development. The students learn about the important models used in software engineering and understand the concepts of objectoriented programming.

3. Software Engineering Laboratory (CASE tools)

The laboratory stimulates the students in project development providing them with the internet facility to develop their minor as well as major projects. This lab contains all the required software for project development like Visual Basic, Visual Basic.NET, ASP.NET, CSharp, etc.

4. Unified Modeling Language (UML) Laboratory

The laboratory work describes how to use the Unified Modeling Language (UML) to communicate software design decisions and translate those decisions into code. The students learn how to utilize essential object-design techniques including patterns, frameworks and component-based design; how to represent them in UML; and how to implement them in common languages. UML Laboratory help students describe and design software systems graphically, both at the requirements and design phases of a software life-cycle. The focus is put on an object-oriented style, even if it is not limited to this paradigm.

A database management system laboratory help student learn how to manage database structures, control access to data, and structure queries. In this laboratory, students learn SQL - Structured Query Language, which is an essential database computer language, designed for the retrieval and management of data in relational database management systems (RDBMS). Students also learn database schema creation and modification, and database object access control management. The laboratory contains all the required



software packages: Db2, SQL server-2005 &2007, My SQL to formulate ER Models.

6. Computer Graphics Laboratory

In a computer graphics laboratory, the students learn to create graphics- 2-dimensional and 3-dimensional projections, using computer software like C language. It helps students learn the representation and manipulation of the images. This lab helps students develop a sense of knowledge of animation, movie creation, and video gaming.

7. Data Structure Laboratory

In this laboratory, the students learn to formulate the algorithms and also generate an understanding of how the data is arranged in a computer's memory or even disk storage. Students develop the know-how of common data structures like arrays, linked lists, queues, stacks, binary trees, and hash tables and algorithms to manipulate the data contained in these data structures.

8. Project Laboratory

The students are facilitated with well-equipped laboratories with the computer software and hardware to complete their major projects. The labs contain software to support students with cutting-edge technology.

9. Network Programming Laboratory

In this laboratory, simulators are used to work on Network Socket programming, NS-2 (Network Simulator version 2). Other simulators MOSS (Mini OS Simulator) is also used to design the algorithms, analyze the system throughput, and processing time and create new operating systems.

10. Assembly Language Laboratory

In this laboratory, Students learn programming on symbols which is referred to as Natural language Processing. It is used in Natural Language Processing.



4. Department of Electrical Engineering

The Department is well equipped to provide the students with academic supervision in the mainstream areas, with an added emphasis on research-oriented teaching. Electrical Engineering broadly involving electricity, electromagnetism, and electronics is essential in modern human life and industries. The present-day academic activities of electrical engineering are very broad with this due reason. The academic activities in the department focus on the frontier areas of electrical engineering such as to power quality studies, distributed generation, soft switching of converters, inverter design, control strategies for complex systems including robotics systems and networked control systems, high voltage and insulation. The electrical engineer makes the electrical system perform in a safe and economical way while ensuring quality and reliability. Almost everything we use today works on electricity or uses its principles. Electrical engineers work on various projects which can include developing home appliances, medical equipment, cars, etc. After completion of this course, students can join in Govt., Public, or private sectors as Electrical engineer management trainees, and graduate engineer Trainees.

SALIENT FEATURES

- The cut-sections of various machines and transparent models of instruments have been procured to give the student a practical insight into their working
- A separate electrical and electronics workshop enables students to learn practical applications
- Organization of Industry visits, expert lectures by faculty from industries and reputed institutes are routine activities in the department.

Department Organises Different Activity - Electrical Workshop/ CCNA / Embedded Systems

L Events are always organized by Department during the year as an Exhibition for showcasing various Charts, Flexes and Project Models and National Conference on Power System Engineering.

Simulation Laboratories and Other Facilities

L Electrical Engineering Department is equipped with well-organized laboratories. And also implement experiments beyond the curriculum.

1. Electrical Machine Laboratory

The laboratory is equipped with all basic machines. In addition, the laboratory has the capacity to test

induction motors up to 10 HP according to International Standard (IS): 325. The major equipment in the lab is Eddy's current drive for motor testing, Constant V/f control induction motor drives up to 5 HP rating; Rectifier Transformer Set; AC/DC servomotors; Energy efficient induction motor; 3 phase transformers, etc.

2. Power System Laboratory

An ultra-modern protection laboratory equipped with all types of GEC, ABB, and Easum Rerolled relays including numerical relays for transformer, generator and motor protection have been developed. This laboratory is useful to the final year students of Electrical Engineering in getting the up-to-date knowledge of the working of the various types of relays by actual demonstration. The laboratory is equipped with major relays like Numerical Generator Protection; Transformer; Over current; differential; overvol tage; Motor protection; Buchholz relay, etc.

3. Power Electronics and Drives Laboratory

To enable students to understand power electronics converters and the operation of semiconductor devices, the laboratory is equipped with experimental set-ups, and students are exposed to hands-on design experiments. The laboratory also enables students to carry out projects effectively. The laboratory caters to the need of experiments for UG programmes and is equipped with major equipment like Stepper motor drive, AC and DC drives, etc. Experimental setups for power electronics applications are provided like inverters; choppers; speed control of AC and DC Motors; characteristics of IGBT & MOSFET; AC voltage controllers, etc. The laboratory is rich with Digital Storage Scope-60MHz with High Voltage Probe.

4. Control System Laboratory

Control System Laboratory consists of frequency response of compensating networks and AC servomotor. It also has introduction of MATLAB computing control software. The laboratory also enables students to carry out projects very effectively. The laboratory caters to the need of experiments for UG programmes and is equipped with equipment like AC servomotor; Lag/Lead compensator, etc.

5. Basic Electrical Engineering Laboratory

This laboratory consists of basic information of electrical and electronics engineering. To enable students to gain the basic knowledge of electrical and electronics engineering and operation of various lamps, the laboratory is equipped with equipments like various types of lamps; house wiring; CRO; function generator, etc.





5. Department of Electronics & Communication Engineering

The Department has a fine blend of renowned as well as young faculty members and is involved in providing quality education. The laboratories are well equipped, organized in such a way that student's academics initiates with basics of electronics and are modernized to reflect the rapid changes in technology. The curriculum in electronics and communication engineering lays greater emphasis on deep understanding of fundamental principles and state of the art knowledge of electronic devices and circuits, computer architecture and microprocessors, VLSI and embedded systems, electromagnetic field theory, analog and digital communication, digital signal processing, microwave and broadband communications. The discipline typically also designs passive electrical components, usually based on printed circuit boards. Scope of EC engineering is vast that it is applied in every field. The development of the world that includes every area such as telecommunication, satellite, microelectronics, technology etc is all based on electronics engineering. Electronics has also helped in developing health care, automation, signal processing etc. Medical equipments are predominantly electronic and their installation and maintenance require knowledge of this branch. In automobile- The speed dial, air bag systems etc are all based on electronics. In modern equipments- For the production, maintenance and repair of computers, laptops, tabs, mobiles etc. In communication (Radio & Telephones) there is huge scope for students. In manufacturing of PCB, IC etc. Also students have plenty of job opportunities.

Salient Features

- The electronics workshop is well equipped with dark room and all machines required in the fabrication of PCB to broaden the scope of basic learning.
- Industrial visits are organized to supplement the practical knowledge of the students.
- The electronic programming lab VHDL, OFC, ANTENNA are provided with system and internet facility.
- Interactive sessions of the students with researchers, arranged from the well known institutes and organization.
- Emphasis is given on the conceptual development of the students through seminars and conferences
- Laboratories and Other Facilities.

1. Electronics workshop

Laboratory introduces the students about the basics of electronics and electrical devices and explains the difference about electronics and electrical fields of study. In this lab the students are made to understand about cutting edge technologies through the basics of electronics.

2. Electronics Laboratory

This is a basic electronics laboratory in which the students are taught about solid-state devices in theory and practice. Students learn about the characteristics of P-N junction diode, Zener diode, and LED. In this laboratory, students are also made aware about Rectifier circuits, filter circuits, Clipping circuits, transistors, etc.

3. Digital Electronics Laboratory

The students are provided with a modern, well-equipped Digital Electronics Laboratory with adequate facilities. The laboratory has advanced equipment to perform experiments with a Shift register, Basic logic gates, Up-down counter, Multiplexer & demultiplexer, Encoder and decoder circuits, etc

4. Electronics Engineering Design Laboratory

Here students are made abreast with the latest Electronic engineering capabilities including analog and digital circuit design and programming.

5. Microwave Engineering Laboratory

This laboratory provides information regarding the various microwave devices. The students can practically learn The measurements and working of various microwave devices. Students can also analyze the numerical and graphical specifications (data sheet) of various microwave devices. Various antenna radiation patterns are plotted using computer controlled equipment.

6. Communication Laboratory I & II

The equipments available in the laboratory are used to understand the theoretical aspects of analog and digital communication. Student can get acquainted with the various modulation and demodulation techniques used in communication.

7. Signal processing Laboratory I & II

The laboratory is equipped to perform experiments using software and hardware components. In the software component, students carry out a number of experiments using MATLAB software, illustrating some of the fundamental concepts and applications of digital signal processing, such as quantization and sampling, block processing by convolution, real-time filtering on a sample-by-sample basis, signal enhancement and noise reduction filters, direct, canonical, and cascade realizations of digital filters, etc.

8. Microprocessor Laboratory

The laboratory contains the microprocessors where the students Study the hardware, functions, memory structure and operation of 8085, 8086 microprocessor kit.

9. Optical Fiber Laboratory

In this laboratory, students learn about Schematic design and make Device Level Layout of various circuits like BJT/FET The amplifier in various configurations, Counters, Shift Registers & Sequence Decoders, etc. Students also learn to work on Fiber Optic components and systems.



6. Department of Mechanical Engineering

Mechanical Engineering is one of the core branches and its principles are involved in the design, study, development and construction of nearly all of the physical devices and systems. Continued research and development have led to better machines and processes helping the mankind. Mechanical Engineering is having major sub branches like design, thermal, automation, manufacturing engineering, and energy engineering. It is arguably the broadest of any engineering branch. Technologies like CAD, CAE, CIM, and PLM etc. have been the driving factors for evaluation of product life cycle by revolutionizing conceptualization, design detailing analysis and manufacturing procedure.

All the workshops and laboratories are equipped with quality machines and equipments. Complete safety is ensured while the students work or learn on the machine and equipment. All laboratories are quite spacious, properly ventilated and comfortable for learning and performing experiments. The Department of Mechanical Engineering at Ashoka Institute attracts an extraordinary rich diversity and talented individuals in teaching and operational areas. With excellent teaching and learning environment it provides a platform to instill high motivation, moral values and leadership in its students. Mechanical engineering graduates can build his career in several fields such as Automobile, Production, Manufacturing, Aerospace, Design, Maintenance, Power-Plant, Automation and Robotics and Thermal Engineering.

Salient Features

- Unique laboratories for CAD/CAM, Metrology, RAC, etc. which are important for mechanical engineering education.
- Superbly equipped fluid machinery, automobile, material science and testing laboratories.
- An excellent heat transfer and thermodynamics laboratory.
- Excellent workshops.
- Manufacturing science laboratory with advanced machines.
- Mechanical Engineering Department is having highest number of faculties. They are the torchbearer for the student and perfect blend of Knowledge and Experience.



Laboratories and Other Facilities

1. Workshops (Machine shop, Fitting shop, Foundry & Welding shop, Carpentry Shops)

Students are given thorough knowledge of machine tools and operations, like plane turning, step turning, taper turning and threading on lathe machine. Drilling machine is used to assist operations being carried out in other shops. Apart from being utilized for curriculum requirements, the Machine Shop also serves miscellaneous machining requirements of other laboratories, e.g. Material Science and Testing Laboratories, Engineering Mechanics Laboratory etc. The Machine Shop, as a matter of fact, also turns out to be most liked shop amongst the students.

2. Automobile and Thermodynamics Laboratory

In this laboratory students learn the workings of various Internal Combustion Engines like two Stroke one Cylinder Scooter Engine; four Stroke one Cylinder Scooter Engine; four stroke four cylinder Diesel Actual Engine. In addition, students get an idea about working operation, construction details of gasoline and diesel engine systems like fuel supply system, lubrication system, cooling system, ignition system

3. Hydraulic Laboratory

Fluid Mechanics laboratory offers equipments for experimenting with and analyzing water and air flow behaviour. Here we analyze all those concepts that we study in theory classes. A few of the experiments include verification of Bernoulli's theorem, evaluation of capillarity and surface tension effect on different diameter capillarity tubes, measurement of coefficient of discharge for various devices like Orifice meter, Venturimeter, etc.

4. Material Testing Laboratory and MS Laboratory

The Material Science and Testing Laboratory is one of the biggest laboratories owned by the institute. Micro structural examination and mechanical testing are two major categories of the experiments conducted in this lab.

5. Theory of Machines Laboratory

In this laboratory students learn about Dynamic Vibration and Shaker Systems Computer-aided Design (CAD) is used to design curves and figures in 2D; or curves, surfaces and objects in 3D. The applications designing in automotive, shipbuilding, and aerospace industries, architectural design, strength and dynamic analysis of research in computer graphics, etc.

6. Heat & Mass Transfer Laboratory

In this laboratory, heat transfer processes are experimented upon, e.g., conduction, convection and radiation and material's thermal properties are determined such as thermal conductivity, emissivity, heat transfer effectiveness, etc.

7. CAD/CAM Laboratory

Computer-aided Design (CAD) is used to design curves and figures in 2D; or curves, surfaces and objects in 3D, The application include designing in automotive, shipbuilding, and aerospace industries, architectural design, strength and dynamic analysis of assemblies, research in computer graphics, etc.





Department of Pharmacy (B. Pharm /D. Pharm)

The Department of Pharmacy was established in 2010 at Ashoka Institute of Technology and Management, Varanasi. Department is approved by the All-India Council for technical education (AICTE) and the Pharmacy council of India (Approved for course conduction) and is affiliated with Uttar Pradesh Technical University (UPTU), Lucknow. Pharmacy is the health profession that links health sciences with chemical sciences and is charged with ensuring the safe and effective development and use of pharmaceutical drugs. After Successful completion of this course, students can start their career as Drug Inspector, Hospital, Clinical or Community Pharmacist, Chemist, Drug and Food Analyst, Production Managers, Product Manager, Research and development executive, Junior Scientist.

Salient Features

- Department is fully equipped with ten Laboratories.
- All faculty members are highly qualified and experienced.
- Emphasis on learning through practical exposure and observation.
- The course curriculum (syllabus) is made as per the need of the industry.
- Emphasis on learning through seminars and workshops.

Laboratories and Other Facilities

1. Pharmaceutics Laboratory I, II, and III

Here study of different dosage forms and dispensing of drugs takes place. The different quality control test is also done here.

2. Pharmaceutical Chemistry Laboratory I and II

In these laboratories, students learn about different drug assays and to establish the standard for different API (active Pharmaceutical Ingredient) and excipient. Students also learn to synthesize and finding of new



chemical entities.

3. Pharmacology Laboratory I and II

In these laboratories, students learn how to analyze the therapeutic activity of a drug substance.

4. Microbiology Laboratory

Here students learn about the effect of drugs on microbes through different methods.

5. Pharmaceutical Analysis Laboratory

In this laboratory, students come to know the exact structure and standards of the drug through different instrumental methods like chromatographic and spectroscopic methods.

6. Sophisticated Instrumentation Room

In this laboratory, students come to know the different instrumental methods like Chromatography, Spectroscopy and Rheology.

7. Computer Laboratory

In this laboratory, students learn the basic application of computers in the field of pharmacy.

8. Machine Room

Here students come to know about different machines utilized in the preparation of pharmaceutical dosage forms like Tablet, Syrup, Capsule, and Injectables.

9. Pharmacognosy Laboratory

In this laboratory, students know about crude drugs and their extraction procedures.

10. Botanical Garden

In the botanical garden, there are several medicinal plants that are utilized in the study of Pharmacogenetic purpose.



The Department of Management Studies Bachelor of Commerce (B.Com.)

Bachelor of Commerce is an Undergraduate degree in Commerce, It is one of the most sought courses after 12th standard. It has a duration of three years divided into six semesters. The courses covers a number of subjects during its study period. The course is designed to provide students with a wide range of managerial skills & understanding in streams like finance, accounting, taxation, management, business laws, economics and insurance etc. thus the Bachelor of Commerce program prepare the student for a career in the flourishing area of accounting, banking, financial management, economics, mercantile law, information system and management. A career in commerce stream has immense growth prospects as demand for professionals is always on a high. Job opportunities exists right after the programe. Jobs after B.Com graduates exists in India as well as abroad. After completion of B.Com, a student can apply in any organisation in the field of accounting, taxation, banking, management and other alike areas both in the private & public sectors.



Bachelor of Business Administration (BBA)

The Bachelor of Business Administration degree is considered as the degree of future career building. It is a professional degree which is stepping ahead by leaps and bounds in popularity among students who intend to make a career in management sight after their 12th standard. This degree is also for all those students who want to pursue management studies after graduation. With a BBA degree, the students get a strong foundation base in management studies & therefore better than those who are not from the management background.

The BBA degree has a lot of scope when it comes to careers. This is one of the few degrees where students can get a reputed & high-paying jobs in management and business administration field right after their graduation. The country's economy is growing & many new organisations in the corporate sector are coming up & they prefer to give opportunities to BBA degree holders, who can be just as good as an MBA qualified managers.

One of the reasons for the bright scope of BBA degree is that, in developing economies, students with long-sighted views, prefer professional courses in comparison to the traditional disciplines of Arts, Science and like-wise. Infact, they are opting for professional specialised disciplines like BBA which directly aims for professional career building.



(MBA)

The Department of Management Studies offers AICTE approved MBA (Master in Business Administration) - Post Graduate Degree Programme, affiliated to Uttar Pradesh Technical University, Lucknow. Management education has always been an important benchmark with the objective of transforming graduates into the 'Renaissance leaders' of tomorrow. Our prime objective is to impart Innovative technical, analytical, problem solving, and integrative skills using modern time management to tools the two decision-making capabilities of students. We offer dual specialization and at present have specialization in Marketing, Human Resources, Finance, and Information Technology. The rigorous course curriculum provides a solid foundation for the overall development of the student. After completion of an MBA, a wide range of jobs and career prospects are available in the Govt., Public, and Private sectors. One can easily get jobs at the managerial or executive level after successfully completing their MBA program. This job acts as the first step on the ladder of success, after which one can reach the top position.

Salient Features

- All classrooms, seminar hall, and group discussion hall are equipped with the latest Audio-Visual Facilities. The campus is completely Wi-Fi enabled.
- Emphasis on learning through Case studies, Assignments, Presentations, Seminars, Workshops, Role Play, and Industrial visits.
- Department arranges Summer Training for 8-10 weeks for industry exposure and to understand the real world.
- The department aims at developing future managers equipped with the knowledge, right kind of attitude, and the required skills.
- Perfect Blend of well-qualified and experienced faculty, and renowned visiting faculty members from other institutes.
- Library in Ashoka is the learning resource center for the students to strengthen their knowledge base. The learning resources center has a good and rich collection of books which includes textbooks, reference books, journals, magazines, etc.,
- Interactive sessions of students with senior management personnel from the industry.
- Emphasis is on holistic personality development so as to mold candidates into future corporate leaders.
- The college is providing free Laptops to each and every student after enrolment in this course
- 93% of the eligible students have been placed through a campus placement drive Last Year.



Computer Laboratories and Other Facilities

Our advanced and cutting-edge facilities help to enhance the career management and learning experiences of our MBA Students.

1. Computer Laboratory

The Department has set up its own 30 seated computer laboratory with fully equipped wireless internet access and the latest multi-media facilities. Computer laboratory facilities have been provided to students for general purposes like learning during extra hours and preparation of seminars & projects and research-oriented work.

2. Communication Laboratory (Language Laboratory)

Well-equipped communication Laboratory having 60 Computers with wireless internet access and the latest multi-media facilities specially designed for Language Learning and are facilitated by trained faculties. To achieve different proficiency levels, the laboratory enables each student to have self-paced learning through different Software which provides practice in pronunciation of basic sounds, the stress in words, and connected speech, rhythm, and intonation.

3. Book Bank Facility

This facility is available for all the students of Ashoka. All students get the latest edition book of the reputed writer after enrolment but before the commencement of the semester class.

4. Hostel and Mess Facility

Ashoka Campus provides a separate hostel facility for boys and girls with a mess facility at an affordable cost.

5. Recreational Facilities

Recreational facilities like sports club, Yoga and Pranayama club, social welfare club, Quiz club, etc. Are available for The holistic development of our students.

6. Training and Placement Cell

The Placement scenario at Ashoka Campus has been more than satisfactory despite the challenges like a recession. In order to enhance placements various training programs ranging from personality development, soft skill enhancement, on line aptitude tests to psychometric analysis from leading training institutions and in-house faculty have been initiated. The training and Placement cell is all set to equip students with all the important prerequisites of the selection process viz. group discussions, psychometric tests, personal interviews, resume writing, etc. So far twenty-two leading corporates have selected our students from campus.



Department of Applied Sciences

Physics

Physics is the study of everything from the smallest particle to the structure of the entire universe. Role of Physics in the field of Engineering can be understood in this way. Physics is the mother of all science in general and engineering in particular. Mathematics and Chemistry are finally the derivatives of Physics. Engineering is also a form of applied science with Physics as an important part. Initially, Engineering started with Mechanical and Civil engineering as the main branches. Both the streams are derivatives of Mechanics which in turn is a form of Physics. Hence, the two branches do not have any meaning without Physics. Civil engineering involves a major part of geology, which is also a derivative of Physics. Another major part of engineering is Electrical engineering. This is a derivative of Electrical Physics. Electrical engineering leads to Electronics engineering and finally to Computer engineering and Information Technology. Recently, some other branches like Biomedical engineering and Bio-Technology have also been derived. These two streams are derivatives of Biology. Biology also has got thick links with the principles of Physics. Both these branches are a blend of applied biology with principles of molecular physics. Practical learning is encouraged through experiments by conducting a series of experiments in a fairly well-equipped Physics laboratory.

Chemistry

The principal objective is to develop the ability and desire in students to apply the techniques of sustained and objective critical analysis to solve problems of scientific and social interests enabling them to acquire new knowledge through strong observation and evaluation. The Department aims to manifest proficiency in young chemists by generating passion for The chemistry among students grows from the basic to the latest in chemical sciences and exposes the students to advanced instrumentation and technology for providing innovative curriculum development. Engineering Courses like Civil, Electrical, Mechanical, Electronics and



communication, Computer Science, B. Pharma, and Biotech need a basic understanding of chemistry. A mechanical engineer must know material science that comprises chemistry and properties of metal, alloys, and their mechanical strength. Like mechanical engineering, Civil engineering also has a great significance in chemistry. It starts from the manufacturing of cement, making of concrete, selection of raw material for reinforcement and construction chemistry of setting and hardening of the cement. To meet the challenge and requirements of civil engineers for a construction can be made on the basis of chemical reactions occurring in the materials incorporated. Engineering chemistry helps Electrical Engineering and Electronics and communication students in all aspects because electronics is nothing but an extension of electrons, one must know how to regulate an electron. For that knowledge of chemistry is necessary. The subject is offered as Engineering Chemistry for the students in their first year of engineering and it is common for all the branches of engineering. For this purpose, our institution is providing a well-equipped and high-quality Chemistry Laboratory. This is as per the AICTE norm, containing all the necessary chemicals, glassware, PH meter, colorimeter, conductivity meter, deionizer, water bath, etc.

Mathematics

Mathematics is central to everyday life and to the way we see the world. It is an intellectual adventure in its own right but it is also used to understand the physical world - from black holes to global warming - and to find solutions in business and industry. The department of Mathematics is catering the basic needs of Mathematics Education from elementary standard to advanced research-level having the objective to provide a strong framework of Mathematical Science with the commitment to preparing the students capable of understanding the basic concepts of the problems arising in different streams of higher education and research and counteract them to evolve their most appropriate solution in a scientific way by using the basic tools of Mathematics and Statistics. The faculty is well experienced in their respective specialized fields and actively engaged in research work of national and international standards besides following the established norms of quality teaching.



Department of Humanities

Humanities With one of the core objectives, to improve communication skills this department came into existence. This leads to basically improving the four important aspects of the students- 1. Listening Skill. 2. Reading Skill. 3. Writing Skills and 4. Speaking skills in English. In order to make the students campus ready, nationally renowned trainers impart training in subjects like soft skills, aptitude building, Personality and Professional development which is essential for Campus to the corporate endeavor. Apart from this, to keep our students aware and sensitive towards our nature a comprehensive course on Environment and Ecology for B.Tech students is running through this Department.

Language Laboratory

The multimedia Language laboratory equipped with sixty multimedia Computers has been specially designed for Language Learning is facilitated by trained faculty. Students who come from across the country with vernacular backgrounds are provided training in global accents. This task is initiated in the first year by making this laboratory mandatory for B.Tech students. To achieve different proficiency levels, the laboratory enables each student to have self-paced learning through different Software which provides practice in pronunciation of basic sounds, the stress in words, and connected speech, rhythm , and intonation. The digital interactive laboratory is installed with a variety of Software viz Oredell, Wordsworth, Clarity, Tense Buster, Pronunciation Power, Connected Speech, learn to speak and communicate.



Training & Placement Cell

To keep abreast of the latest changes in the industrial world, a professional institute should have a close linkage with the real business world. Based on this hypothesis, the Ashoka Institute of Technology and Management makes concerted endeavors towards organizing institute-industry interfaces at different places of importance and so it also undertakes the following activities.

Seminars, Conferences, Conclave & Executive Development Programmes: Seminars and Conferences on key problem areas feature regularly in the Academic Calendar of the Institute. The objective is to provide a platform where the students and faculty members could interact with the highly experienced professionals and academicians. Perceiving the need for developing and sharpening the skills to exploit the burgeoning and enticing opportunities emerging as a result of the cataclysmic developments in global environment, the ASHOKA also offers several significant Executive Development Programmes for promising entrepreneurs and working executives for which it has received wide appreciation.

Guest Lectures: In addition to class-room teaching, the Institute also organises the year-long guest Lecture Series to give the students a glimpse of the real corporate practices. In this series, the working executives from the organisations of repute are invited to interact with the students on the topics of thematic importance.

Consultancy: The Institute with its highly experienced teaching faculty has been offering consultancy services not only to the local entrepreneurs but also to the business and industrial organisations in the country. Since its inception, the Institute has emerged as a Centre of Excellence where the local entrepreneurs and other organisations do visit for redressal of their problems and also for seeking assistance to get market and consumer surveys conducted for their different products not only in Varanasi but also in other parts of the country. It is worth mentioning that in the recent past, the Institute has conducted many significant research/market surveys for a number of reputed organisations in the corporate world, both from the Public and Private Sectors.

The Institute has been aware of two main important facts: Firstly, that the interaction with the corporate

world during summer placement helps the students to sharpen their managerial and incisive skills and secondly, the performance of a professional institute is gauged in terms of the quality of placements to its outgoing batches. As such, the Institute has established a full-fledged and well equipped Training and Placement Cell which provides active support to the students in getting quality summer/Project training as well as final placements. In past, the Institute has an outstanding record of quality placements. The students of the ASHOKA are absorbed by leading national and multinational companies every year. Some of the prominent companies that visit ASHOKA regularly fr provide summer training & placement to the B.Tech, B. Pharma, and MBA students are; Reliance Capital Services, Reliance GEO, Muthoot Group, Reliance Life Insurance, Reliance Retail, Indorama, S C Johnson, Samsung, Satin Credit care, SBI Life Insurance, Trident, Siemens, Dainik Bhaskar, Compro, Syntel INC, Soft Pro India, Tata Indicom, Tafe, Tata Automobile, TCI, TCS, Trans Solutions, Times Groups, Times of India, Titan Industries Ltd., Unicon Real Estates, UTI Securities, Videocon, Whirlpool, Wipro Spectramind, Wrigley etc.

Placement Process

ASHOKA has established well decorated Corporate Relation Cell (CRC), start placement process in three stages to our MBA, B.Tech and B. Pharma students:





- Summer / Projects Training
- Pre Placement Talk
- Final Placement

Summer / Project Training

2nd & 3rd year students of MBA, B.Tech & B.Pharm are required to undergo for summer internship or project training for 6-8 week time in different industries according to the specialised area to take maximum exposure, latest pattern and learn the need of industries to make and build the modern India.

Pre Placement Talk

CRC invite many organisation to give pre placement talk to final year students of MBA, B.Tech and B.Pharm so that students could select the organisation after going through the whole PPT process or CRC notice to appear in the placement drive.

Final Placement

CRC celebrate placement week in three phases where we invite many companies to participate for campus recruitment at our campus for final offer/selection of our students. We celebrate first phase of placement week in September to November every year, second phase in January to Feb and Third Phase in March to April, CRC provide 100% placement opportunity to each and every students of our institute to sit for campus recruitment.

Highest CTC offered - 5.5 Lakh Per Annum

Average CTC offered - 2.5 Lakh Per Annum

Minimum CTC offered - 1.44 Lakh Per Annum



Boys & Girls Hostel

ASHOKA provides separate hostel for boys and girls with composed and hygienic environment allied with nourishing and nutritious food. We, at Hostels, sustain the environment of learning and amusement both. Our hostel embeds the highest human values, team spirit and the art of leadership to the students residing in and makes them enable enough that they may transform themselves in to competent humans of tomorrow.

Accommodation for students rolled in hostel will be provided to full time day by the college hostel committee. Application for hostel should be submitted in the prescribed form. No Ex-students shall be allotted any hostel accommodation. In boys hostel we have the figure 200 for accommodation whereas in the girls hostel there is an arrangement of 100 girls residing at a time.

The first preference for the hostel accommodation will be given to the students coming from outside Varanasi favoring the newly admitted students in B TECH, MBA & B PHARMA. Those from outside of Varanasi, but studied in Varanasi will be given hostel accommodation at par with outside Varanasi students provided they produce certificate for their stay in hostel. Hostel has Wi-Fi facility, Prayer Hall, Recreation Hall, Visitors' Hall, Guest room, Hygienic canteen, General Store, Stationary Shop, Cosmetics and Snack Shop, Photocopier stall, PCO with ISD and STD facilities, Exhaust system along with 24 hours electricity and water supply.



Transport & General Facilities

For making the reach available and easy from trail to Whirlpool, College provides transportation at all the major routes with highly comfortable AC & Non AC Buses, Cabs and taxis on a conveniently affordable price. Facility to students and staff on every route keeps them punctual and timely. It covers almost all the routes of the holy city Varanasi. Transport facility is also available Outside of Varanasi.

HEALTH CARE

A healthy body bears a healthy mind so in the streak of academics and for the wellbeing of students .ASHOKA has the routine health and medical checkup scheme. Our experts in health education and research continuously observe the issues relating to fitness of the students and faculties as well. We have First Aid Section, Medicine Section, Health Awareness Section, Routine Checkup Section and other observatory units.

WI-FI CAMPUS

To make the students techno savvy running in today's scenario of rapidly revolutionizing world ASHOKA to its scholars provides Wi-Fi facility to access net almost at any time in the campus anywhere. Envisioning our dreams we provide high speed internet facility to go beyond the horizon of knowledge and to explore more n more emerging Technologies, Managerial skills and revolutions in Pharmaceutical world.

PARKING

In one of the basic requirements of populating city ASHOKA is having sufficient space of parking to the students and visitors coming in the premises of the institute parking plot. As the potency exceeds more than 2000 the parking plot is sufficiently provided as it has the strength of 3000 vehicles to stand at a time.

SEMINAR HALL

Institute is having seminar hall for the purpose of lectures, seminars, symposiums etc. The hall is intended to congregate the seating intake of 500 spectators at a time with the two central air conditioners. The hall has reassuring chairs, for better echo it has digital chorus and projector with net availability. Many academic events go on throughout the year for imparting quality education to the future Engineers and Managers.

GD ROOM

We create the potential for future transforming into a golden era and confer students an edge for Debate, Group Discussions and Presentations these methodologies are channelized at a habitual basis. Our students are also having the well furnish GD room. Numerous events are conducted there. The room is also utilized for the gigantic event held at ASHOKA pertaining to Training & Placement.



CONV

I hope your dreams take you...
windows of your opportu...





VOCATION

...to the corners of your smiles, to the highest of your hopes, to the
cities, and to the most special places your heart has ever known.





“Allow your Passion to become your Purpose, and it will one day become your Profession.”

-Gabrielle Bernstein



INNOVATIVE PROJECT TECHNO FEST

PROUD *Moments*



UTSAV TRIPATHI
2nd YEAR STUDENT OF COMPUTER SCIENCE

Congratulation

For developing the project
**ASHOKA SMART
ELECTION OFFICER**

created a robot that will keep
an eye on **fake voters**.

Amit Maurya vice chairman
suggested that this uniqueness
has been named 'Ashoka Smart
Election officer'.







BOLLYWOOD NIGHT

The Cultural activities at **ASHOKA** aim at promoting the creativity and talent of the students and sensitizing them towards the rich and diverse culture of the India. We are actively engaged in providing the students with an extensive range of cultural and co-curricular activities. Keeping in line with this commitment our college organizes Annual Techno-Cultural Fest Synergy known as "**ABHYUDAY**" which is usually organized in the month of February. It is the much awaited one week festival with multiple events in dance; music; fashion, drama, literary and various other technical and cultural fields which offers a plethora of opportunities to the students to showcase their talent. Renowned artistes are also invited to perform during fest.





CULTURAL PROGRAMME



“Things don't have
to change the world
to be important.”

– Steve Jobs



ASHOKA

INSTITUTE OF TECHNOLOGY AND MANAGEMENT
Approved by AICTE & PCI, New Delhi | Affiliated to AKTU & BTE, Lucknow



ASHOKA

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