

Estd.2000

ABES Engineering College, Ghaziabad

[College Code: 032]

OUR VISION



To take ABES Engineering College to such a level that, it is at par with the leading institutions of the world in providing leadership to the international education system and be amongst the top rated institutions of the world by providing a transformative education to create leaders and innovators embedded in traditional Indian values.

OUR MISSION

- 1. To create an ambiance for healthy teaching-learning process.
- 2. To nurture the students and infuse in them
 - a. A passion to excel professionally
 - b. A spirit to be of utmost use to the industry, corporate sector and the society at large
 - c. An intense desire to take challenging responsibilities and leadership roles
 - d. A craving to be wholesome good human beings
- 3. To develop an environment for creating new knowledge through research and by thriving to explore innovative ideas.

OURQUALITY POLICY



To continuously thrive to provide a congenial and wholesome academic environment and a healthy culture for faculty, staff and students which would motivate teacher's full participation with passion and develop an intense desire in the students to acquire comprehensive education and hence become a useful and confident human resource for the industry and academia.



NURTURING Change Champions



ABESEC ENDEAVOR TO NURTURE A NEW GENERATION OF ENGINEERS #TECHNEXTGEN

"We have envisioned in shaping ABESEC as a center of excellence in the fields of learning, innovations, technology, sciences, and management."

On behalf of the entire ABESEC family, I am pleased to introduce you to ABES Engineering College, and to offer my vision for the institution. ABESEC was established in 1999, with an intent to provide quality Engineering and Management education. Today, the institution pioneers in taking initiatives to create an ecosystem of growth for students, faculty and our industry partners. In a world that has experienced a dramatic transformation, in the education and technology arena, ABESEC is continuously striving to provide the best opportunities both on-campus and beyond-campus for our students. We are committed to guide our students for their bright career through multi-dimensional initiatives in their comprehensive development.

Shri Neeraj Goel President, ABESEC

FOUR PILLARS A MODEL FOR VALUE CREATION

ACADEMICS

At ABESEC, we believe, that the institute is a temple of learning, and hence we strive for excellence in academics. The college has been accredited by NAAC, the branches are NBA accredited and ISO certified. The courses are affiliated to Dr. APJ Abdul Kalam Technical University, Lucknow. In addition, the institute offers various other courses, guest lectures, workshops, industry exposures that make students "Industry Competent". Academics at ABESEC caters to the diverse needs of learners in terms of their background, abilities and other personal attributes influencing their learning. The college believes in outcome based education through appropriate methodologies including participative learning, experiential learning and collaborative learning.

INDUSTRIAL CONSULTANCY & ENTREPRENEURSHIP

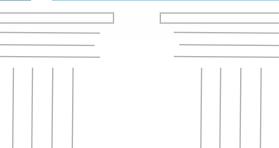
ABESEC promotes out-of-the-box thinking to inculcate innovation as a way of thinking in our students. Thanks to our focus on industry oriented projects, our students have been involved in providing consultancy to multiple industries leading to remarkble number of patents in this area. Our students have actively participated in International competitions such as UAV project held in the USA and Korea. At national level competitions like SAE-BAJA, Efficycle, Robocon, ESVC our students have constantly excelled year-on-year basis. MeitY, Gol funded incubation center (IC) with ultra-modern facilities nurtures students for their startup journey. The center has received a sanction of Rs. 1.70 Crores for the purpose and facilitates 26 number of startups under experienced mentors. The center, also recognized by DC MSME conducts entrepreneurship training activities.

SKILL BUILDING

The momentous changes in global economies over the last few years have resulted in the dramatic transformation in technology and has impacted all the vital facades of life and most importantly education. The competition among industries has become stiff; therefore it is urgently needed to prepare students for jobs in multinational companies, by exposing them to emerging technologies and engineering methodologies. Industry based skill training is provided in all the latest IT and Core domains such as MEAN <u>Stack Development, Hybrid Mobile</u> Application Development, Python Data Analyst, AUTOCAD, PLC etc. Specific skills enhancement training in niche domain such as Cyber Security, Block chain, Data Science, Networking, Software Testing, IoT & Embedded systems etc. enables students to hone their "Employability" skills and achieve their dream career.

CAREER PLANNING

Career Planning division of ABESEC, popularly known as CCPD, was established to develop and work for a strong & long lasting Industry-Academia Partnership model. CCPD, with the feedback & inputs from corporate, ensures that the students are imparted with latest technological knowhow and soft skills available across the market, incorporating all those elements, which enable the budding technocrats to become well suited & ready for the tough job market and cut throat competition. Events like expert talks by the prominent specialist on current technologies, confidence building, stress & time management and behavioural development are organized. Besides all such activities, the CCPD lays emphasis on case studies, industrial visits and practical training over the full academic calendar year. The end result of overall exercise is job opportunities of well-trained students in top notch companies across globe.



A JOURNEY

Z Years

THE YEAR 2008

CSE, ECE, IT and MCA becomes

2008 - Letter of Appreciation. * UAV (Unmanned Aerial Vehicle) in

KOREA ROBOT Aircraft Competition

NBA accredited branches. UPTU Academic Excellence Award

Introduced B.Tech EEE.

Georgia, USA.

in South Korea..

THE YEAR 2000

- Inception of ABES Engineering College, under Society ٠ for Educational Excellence.
- Recognition by AICTE and UPTU (Currently known as • AKTU).
- ÷ Introduced B.Tech. courses CSE, ECE and IT.
 - Introduced MCA course.

THE YEAR 2001

 Introduced B.Tech. Applied Electronics & Instrumentation.

THE YEAR 2002

2 Students Rank Holders in University.

THE YEAR 2004

THE YEAR 2003

- Introduced B.Tech. Mechanical Engineering.
- Introduced CSI Student Chapter. 9 Students Rank Holders in
 - University.

3 Students Rank Holders in University.

THE YEAR 2005

- Introduced sequential M.Tech. CSE and ECE.
- 7 Students Rank Holders in ÷ University.

THE YEAR 2006

- Introduced MBA course. •
- 2 Students Rank Holders in University. •••

THE YEAR 2007

- 3 Students Rank Holders in University.
- Rank 1 in new entries category at
- International Aerial Robotics Competition, US Army Base, Georgia.
- MAV (Micro Aerial Vehicle) competition 2007 - Agra - US & Indian Army.

THE YEAR 2009

✤ Introduced M.Tech. CSE and ECE.

÷

- Introduced Entrepreneur Development Cell.
- * Introduced IEEE Student Chapter.
- Korea Robot Aircraft Competition 2009 -•.• South Korea.
- 3 Students Rank Holders in University.

THE YEAR 2010

- Introduced ICEIT Student Chapter.
- Introduced SPIC MACAY Chapter.
- * Star Performer for Academic Excellence in B.Tech. programme 2009.
- Star Performer for Academic Excellence in MBA programme 2009
- Certificate of Appreciation for Academic Excellence in MCA Programme 2009.
- Award for Excellent Academic Results and R & D at International Level 2010 From Business Sphere.
- * BAJA SAE Asia Competition TERRAN VEHICLE ranked 4th amongst.
- * 2 Students Rank Holders in University.

- NIRF Ranking in the band of 201-250.
- NBA Accreditation for B.Tech. EEE & IT.
- Introduced MBA Logistics & Supply Chain Management and Business Analytics
- * Introduced CSE with specialization in Artificial Intelligence & Machine Learning
- * Introduced CSE with specialization in Data Science
- ✤ 37 patents filed, 18 published
- Incubation Center: TIDE 2.0, MeitY, 1.70Cr
- * Industrial Consultancy Projects completed for Ace Honda and Confetti
- Patent sold to Havells India Ltd.
- No. of Students Placed 864 and No. of ÷ Offers 1479.

THE YEAR 2019

- Introduced B.Tech. **Computer Science and** Computer Engineering.
- Accredited by NBA CSE, ECE.
- 2 Student Startups. $\dot{\bullet}$
- TEDxABESEC. •
- 3 Patents Filed.
- Launch of Mark1 machine
- No. of Students Placed 815 and No. of Offers 1178.

THE YEAR 2018

- ✤ Introduced B.Tech. **Computer Engineering &** Information Technology.
- MOU Signed with Tech Mahindra and ICT Academy.
- Introduced IEI Student Chapter.
- Introduced BITS (Consultancy Projects wing of ABESEC).
- 5 Student Startups.
- Patents Filed 07 Nos. •••
- ✤ AIR 8 in SAE-EFFICYCLE.
- ✤ AIR 46 in SAE BAJA.
- No. of Students Placed 691 and No. of Offers 1087.

THE YEAR 2017

- ✤ 3 Student Startups.
- ••• NBA Accreditation for B.Tec EEE & IT.
- NIRF Ranking was between 151-200.
- MOU signed with LGF Sysmac and Tag Factory.
- * AIR 5th in SAE-EFFICYCLE-AND-CROSS-TRIKE-2017.
- AIR Rank 2 in ESVC. No. of Students Placed 554 and No. of Offers 807.

THE YEAR 2016

- * Accredited by NAAC for 5 years.
- Accredited by NBA CSE, ECE and ME. ÷
- ÷ MOU Signed with INTEX.
- Introduced Centre of Excellence- Texas ••• Instrumentation Embedded System Lab, SMC Pneumatics.
- 3 Student Startups.
- 3 Patents Filed.
- AIR 25 in ROBOCON 2017 ABESEC scored 7 positions in BATTLE -51.
- AIR Rank 17 in HPVC 2017.
- AIR 6 in SOLAR VEHICLE (ESVC).
- 1 Student Rank Holder in University.
- No. of Students Placed 594 and No. of Offers 775.

THE YEAR 2015

- Introduced Centre of Excellence VLSI Design, Big Data Analytics, Structural Design And Analysis.
- * Introduced ICI Student Chapter.
- ROBOCON 2016 1st in NCR, 2nd rank in UP and 45th in India.
- 11th Position UAV CHALLENGE International event.
- 1 Student Rank Holder in University.
- No. of Students Placed 458 and No. of Offers \diamond 586.

THE YEAR 2013

- Introduced Center of Excellence Cisco Networking Academy.
- Introduced Centre for Enterprise S/W Development.
- * 3 Students Rank Holder in University.

THE YEAR 2012

- Introduced M.Tech. Mechanical Engineering.
- * ABU Robocon (Hongkong) 5th amongst teams from North India Introduced Rockwell Automation Center.
- * 1 Student Rank Holder in University.

THE YEAR 2011

Introduced B.Tech. Civil Engineering.

THE YEAR 2020

- University.
- No. of Offers 353.

THE YEAR 2014

- Introduced ACM Student Chapter.
- Introduced National Instruments Innovation Centre.
- Introduced Centre of Excellence for Mobile Application Development.
- 1 Student Rank Holder in
- No. of Students Placed 286 and

UNDERGRADUATE PROGRAMMES (4 YEARS FULL TIME DEGREE PROGRAM)

B.TECH.

NO.OF SEATS

Computer Science	180
Computer Science & Engineering	180
Electronics & Communication Engineering	180
Information Technology	180
Electrical & Electronics Engineering	120
Mechanical Engineering	120
Computer Science & Engineering	120
(Artificial Intelligence and Machine Learning)	
Computer Science & Engineering (Data Science)	60

POSTGRADUATEPROGRAMMES

	NU.UF SEALS
MCA (2 years full-time program)	- 180
MBA (2 years full-time program)	- 120

M.ILUH. (2 years full-time program)	NU. Uł	- SEA
Computer Science & Engineering		06
Electronics & Communication Engineering		06

RANKING & CERTIFICATION



ABESEC achieved the excellent academic performance for consecutively Four years in B.Tech. (Ist Year) AKTU results.



AFFILIATION & ACCREDITATION

- Affiliated to Dr. APJ Abdul Kalam Technical University UP, Lucknow
- An ISO: 9001-2015 certified institution by TÜV Rheinland
- Accredited by National Board of Accreditation, NBA, New Delhi, for CSE, ECE, IT and EN Undergraduate Programs.

TS

- Accredited by National Assessment and Accreditation Council (NAAC) till May, 2021
- Accredited by Tata Consultancy Service and Capgemini India
- NIRF Ranked (201-250) in 2020

OUR LEADERSHIP



"The basic principle of transforming society is by transforming education."

The light of education can illuminate the whole world. In this endeavor, ABESEC is continuously putting efforts into providing a conducive environment to learn and grow together. In today's world, the most important thing is to challenge oneself each day and earnestly take action to make a better version.

Over the years, ABESEC has carved out an identity for itself as an institute believing in developing the overall personality of a student into a skilled and socially responsible technocrat. State-of-the-art academic facilities, highly rated faculty members, and a strong industry connection create a vibrant learning environment. Our efforts are well recognized by both government bodies and industry alike. We are a NAAC and NBA accredited institute. We ranked amongst the top 250 institutes nationally in the list published by NIRF (Ministry of HRD, Govt of India) in the year 2020.

In the future also we will continue the path of providing quality education in line with the current and future industrial needs. We will relentlessly pursue all opportunities that will open up to help us bridge the industry-academia gap at the national level and through viable options at the global level.

I earnestly wish and pray that we all learn, grow and advance together.

...an inspiration for others to dream bigger



We, at ABESEC strongly believe that the holistic development of students is possible by focussing on core areas which are - Concept Based Learning and Comprehensive Industrial Exposure.

We offer 360-degree nurturing for overall grooming and developing global competency. We are committed to excellence through innovations in the teaching and learning process and have been successful in maintaining high academic standards by taking appropriate steps to bridge the gap between industry and academia.

With the advent of new technologies, it is the responsibility of academic sector to be upgraded as per the needs of the industry. The requirements and expectations of industrial sector needs to be identified and the grooming of students is ought to be done accordingly by the academic institution.

Our institution is highly motivated and putting up sincere efforts in this direction. We have developed several state-of-art labs, Centres of Excellence (CoE), Advanced R&D Labs and have signed a good number of MoUs with different industries at College and Departmental Level. Centres of Excellence are corporate training centres for renowned industries.

The students are provided with a cohesive platform to work on live industry-based projects. We are also engaged in providing hands-on-trainings in core and IT sectors and are highly motivated to bring the best out of our students.

We feel privileged to have world class infrastructure and meticulous faculty and staff members who are committed to provide comprehensive development of students to groom them into successful engineers and empathetic human beings at large.

"Education is our passport to the future, for tomorrow belongs to the people who prepare for it today - Malcom X."

UNDER GRADUATE PROGRAMS





B.TECH. COMPUTER SCIENCE & ENGINEERING (CSE)

The Department is NBA accredited and is running with an intake of 180 seats. It has become the most sought-after department among engineering aspirants. The department has a team of experienced, highly gualified and motivated faculty members. The Department believes in nurturing the students with the ability and skills to analyze, design and develop computer systems and their applications, with a curriculum that has a balanced emphasis on theory, practical and projects. The focus of CSE Department is on development and strengthening young minds to make them globally competitive by inculcating the capabilities of critical thinking, problem solving, analysis, design, research, teamwork, communication skills, and readiness for lifelong learning in the relevant thrust areas of the domain.

WHYCSE?

- Placement in top companies like Adobe, Cisco, Amazon, Microsoft etc.
- Establishment of Advanced training centre and Centre of Excellence (CoE), to get detailed insight of the course.
- Guidance to develop projects with novelty, which enables them to publish research articles and patents.
- Industrial interactions, webinars, continuous discussions from Alumni that helps students to adapt to new technologies
- 05-Consultancy Projects, 2 granted & 15-Filed Patents

PARTNERSHIPS & MOUS



ACADEMIC TOPPERS

Final Year Student - 9.08 YGPA Mr. Sanchit Singhal 1st Rank 2nd Rank - 9.03 YGPA Mr. Abdul Mugeesh **Third Year Student** Ms. Sakshi Kaur 1st Rank - 9.13 YGPA 2nd Rank - 9.05 YGPA Mr. Harsh Tyagi **Second Year Student** 1st Rank Mr. Umang Agarwal - 9.31 YGPA - 9.24 YGPA Ms. Vanshika Maheshwari 2nd Rank

START UPS

Mr. Vaibhhav Gupta

😡 GREEN CHILLIES Green Mint Restaurant, Dubai

Mr Harshvardhan Singh

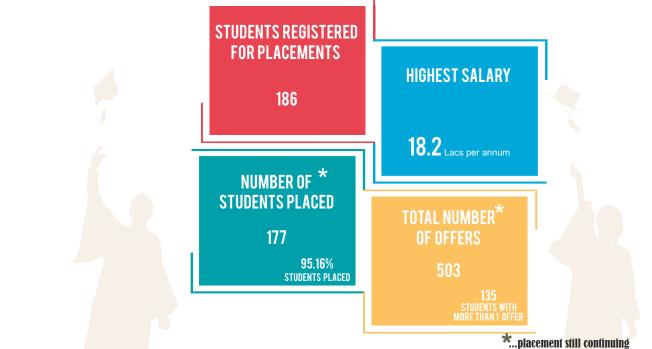


Mr. Harikishan Agarwal



Educant Pvt. Ltd., Noida









Col. Fuller of US Army understanding details of "Micro Aerial Vehicle" from ABESEC team at Agra





B.TECH. ELECTRONICS AND COMMUNICATION ENGINEERING (ECE)

The Department of Electronics & Communication Engineering at ABESEC strongly believes that the holistic development of students is possible by focussing on two core areas which are Concept based learning and comprehensive Industrial Exposure. Concept based learning is provided by highly qualified, experienced and dynamic faculty members, highly competent lab staff supported by eleven state of art well equipped advanced Labs that have been developed to meet the curriculum and industrial requirements.

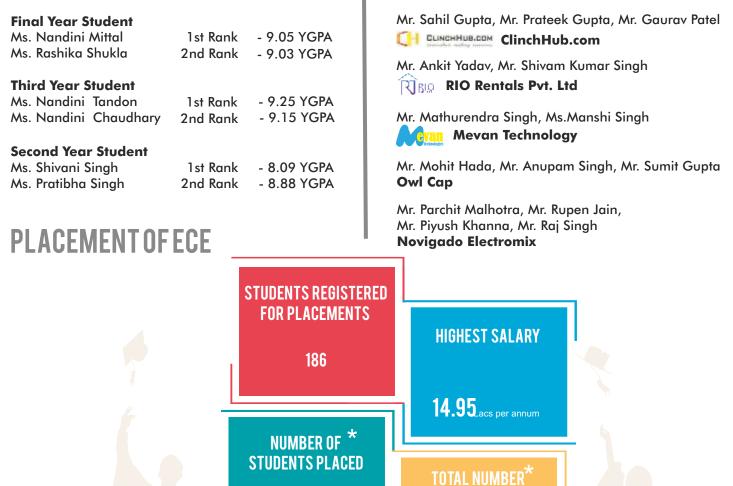
WHYECE?

- 360° nurturing of our students so that they can face global challenges with the help of one-to-one mapping by Overall Class Coordinators, mentoring, counselling, domain allocation of students, organizing Concept Booster Classes and Inhouse trainings.
- Motivation to students to publish their project research work in UGC/ SCOPUS journals of high repute. Potential projects are stimulated for patent. Good number of Startups are also initiated by our students.
- 11 State of Art Labs, 6 Govt. funded Centres of Excellence and 4 Advanced Labs for R&D work have been established. All CoEs and Advanced Labs have tie-ups with industries. Our CoEs are training centres for competent electronics industries like Truechip, Elbrus Labs, Entuple Technologies, Optimum Viking and System Infra Solutions.
- Working on 18 Government funded & Consultancy Projects to provide a platform to students to work on live industry projects & 10 industrial MoUs with renowned electronics companies to bridge the gap between industry and academia.
- The department has 23 successfully filed patents

PARTNERSHIPS & MOUS



ACADEMIC TOPPERS



158

84.95%

STUDENTS PLACED

START UPS

OF OFFERS

294



"ABU ROBOCON" Hongkong, ABESEC Robocon Team



*...placement still continuing



B.TECH. INFORMATION TECHNOLOGY (IT)

The Department of Information Technology was established in the year 2000 with the intake of 60 students. The current intake of this course is increased to 180 students. The department is accredited by National Board of Accreditation (NBA). Our mission is to create a healthy environment for the development of innovative professionals and researchers to fulfill its commitment to research & education of the highest quality with industry requirement and social acceptance at large. The department of IT has a very good team of experienced and research oriented faculty members with a focus on excellent academic results and Outcome Based Education.

WHY IT?

- Excellent Track Record of academic results with college toppers and university rankers
- Motivation towards international coding platforms for coding star ranking and certification
- Excellent Placement in top-notch companies such as amazon, Byjus, Cisco, Infosys, Cognizant, TCS, Capgemini etc
- Opportunity to work as intern in various globally marked companies like Google summers of code, Cisco, Amazon, Devslane etc. through our in-house training
- One to one connect with every student through mentor-mentee scheme
- 02-Consultancy Projects, 08-MOU, 18-Published Patents.

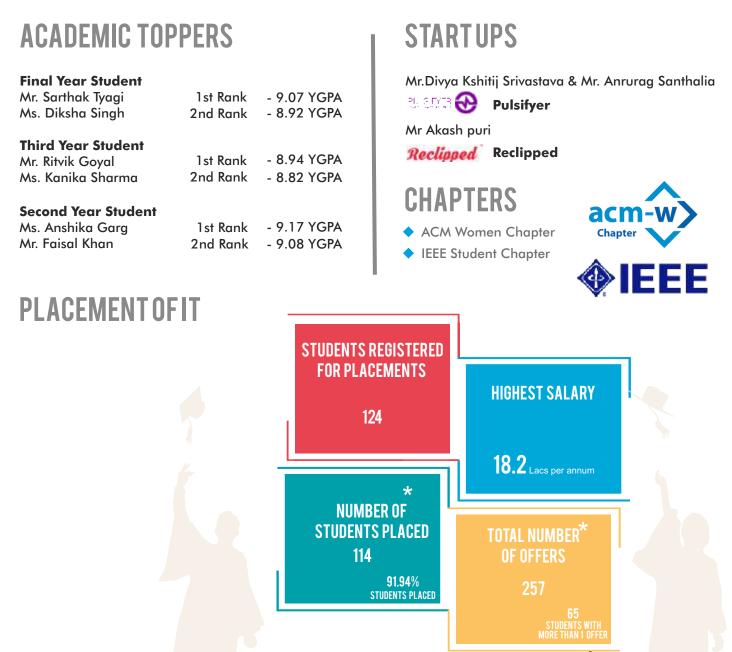
PARTNERSHIPS & MOUS











*****...placement still continuing



A student (batch 2015 - 2019), rank holder in University





B.TECH. ELECTRICAL AND ELECTRONICS ENGINEERING (EN)

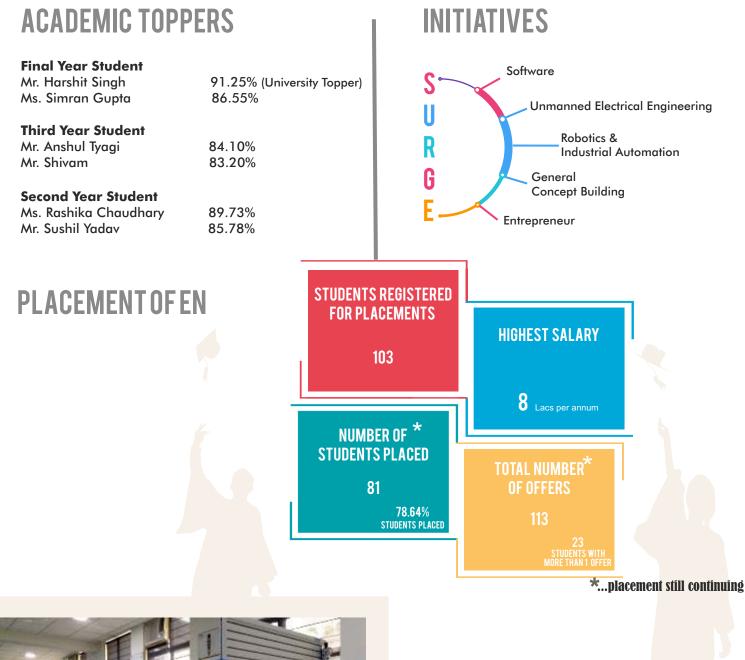
Only Theoretical knowledge will not sustain, one has to have relevant skills and the right attitude. Department believes in "Learning by doing". Electrical Engineering is one of the core fields of engineering, so it is always evergreen in terms of scope and job prospects and is the heart of all engineering disciplines.

WHY EN?

- Imparts quality education, training, and research through excellent academic environment.
- Well-equipped industry collaborated labs, solar lab and project lab for industrial exposure and hands-on experience.
- Well-furnished classrooms having optimal seating capacity, projectors & audio arrangements.
- Holistic development of students through curricular and extracurricular activities.
- The department has 08 successfully filed patents

PARTNERSHIPS & MOUS





"CIRCUITCRAFT'19



"Various innovation centres in association with reputed industry like National Instruments USA, SMC corporation Japan and Rockwell Automation have been set up to impart the technical skills beyond curriculum so as the students may be Industry ready"



B.TECH.MECHANICAL ENGINEERING(ME)

Established in the year 2003, Department of Mechanical engineering nurtures professional excellence of around 180 UG and 18 PG students in every year under its aegis. With best in class infrastructure, high end teaching, thrust on R&D activities and state of art laboratories, department is determined to continually lift the technical skill sets of students to meet industry requirements. Pioneering efforts made by the department in establishing Center of Excellences in Automobile, CAD & CAM; CAE and CNC has credited results in form of best placement record in NCR region.

WHY ME?

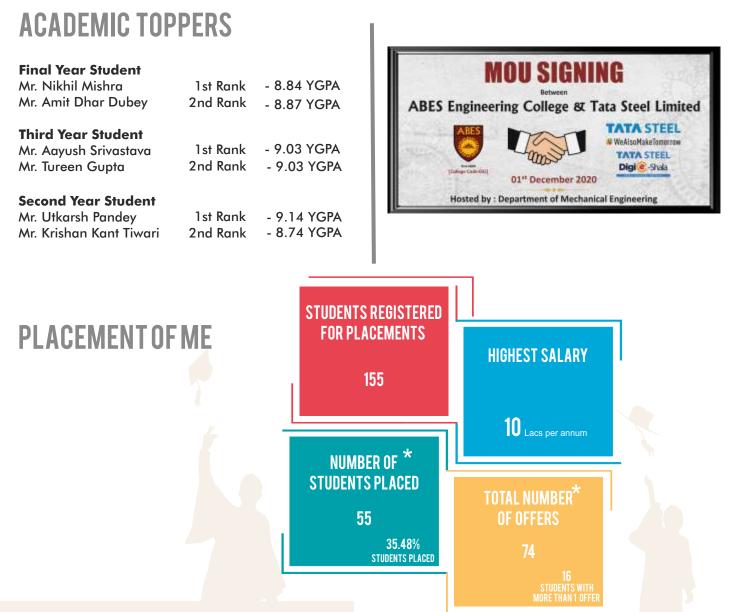
- Blended learning by reputed faculty members with the help of Advanced Teaching Learning Aids.
- Equal Career Opportunities in Core and IT-related Jobs.
- Best Infrastructure and well-equipped labs with the latest technology, which connects to various Industries.
- Practical Learning with Industry collaborated Centres of Excellence.
- Becoming a versatile professional who is ready to face challenges at the global platform
- Carrying out collaborative and interdisciplinary research by active research groups
- Provides a platform to students to participate in various national and international competitions like SAE BAJA, EFFICYCLE, SOLAR VEHICLE.
- Department has acquired 09- Government aided Consultancy Projects, 05 granted and 16 published Patents.

PARTNERSHIPS & MOUS

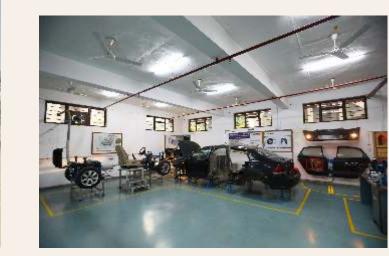








*...placement still continuing



Centre of Excellence- Automobile(CoE-A)



SAE-Baja AIR-66



B.TECH. COMPUTER SCIENCE (CS)

The Department has been developed with a primary goal of providing best IT infrastructure, world class learning & research environment, adopting industry practices through industry collaborations. The aim is to produce top-notch engineers where the opportunities for exciting and rewarding careers by reputed companies all over the world are available. Blended learning is opted by industry-trained experienced faculty to train them fundamentally in the areas of Artificial Intelligence, Machine Learning, Deep Learning, Cloud Computing, Cyber Security, Embedded Systems, Internet of Things, Applications in Healthcare and Smart Living. Apart from academics, the Department promotes industrial collaborations and research and a result of this, we have 2 MoUs and 13 filed Patents to the credit.

WHY CS?

- Commencement of final year project in the beginning of 2nd year
- Hand holding of students by senior members as well as faculty members as mentor mentee interaction
- Mapping/alignment of curriculum for targeting industry need and higher education
- Initiating participation in competitive coding practices, from first year onwards
- Signing of MoUs for skill development/ internship and Pre-placement offers
- Extra training hours on placement driven subjects such as SQL, Data Structures and Python.

STUDENT ACHIEVEMENTS

CISCO Campus Ambassador (March 2021 - June 2022) Mr. Lalit Mohan Tiwari - Third year Student Mr. Ritik Kaushik - Third year Student

National Virtual Women Hackathon 2020

Ms. Sanjana Jain (2019-23), Ms. Astha Rai (2019-23), Ms. Ishika Verma (2019-23) Third Prize winner

CISCO Hackathon 2020

Mr. Mayankesh Mishra (2018-22), Ms. Richa Srivastava (2018-22), Ms. Ritika Malik (2018-22) participated and got First Prize (Dyson Pure Cool DP04 Purifying Fan, with the values of \$449.99.)

ACADEMIC TOPPERS

Second Year Student Mr. Ritik Mr. Krishan Kant Tiwari

1st Rank - 8.98 YGPA 2nd Rank - 8.75 YGPA

CHAPTERS





ABESEC ACM Student Chapter and ABESEC ACM Women's Chapter (ACM-W) & ABESEC IEEE Student Chapter.

PARTNERSHIPS & MOUS

LEADINGINDIA.





Poster Presentation under ABES ACM Student Chapter





ACM DSP talk by Prof. Miroslav Skoric, IEEE Section, Austria; organized by ACM ABES Chapter



B.TECH. COMPUTER SCIENCE & ENGINEERING (AI&ML)

Artificial Intelligence and Machine learning's growing adoption in business across industries reflects how effectively it can meet the demands of smart cities using its algorithms, frameworks and techniques to solve complex problems quickly and effectively.

> AI & ML are the most demanding technologies according to global market requirements.

> Artificial Intelligence (AI) market worldwide is projected to grow by US\$284.6 Billion. A compounded growth of 40% above is expected in coming years.

- > Competitive and Industry Oriented Course Curriculum
- The global machine learning market was valued at \$1.58B in 2017 and is expected to reach \$20.83B in 2024, growing at a CAGR of 44.06% between 2017 and 2024.

B.TECH. COMPUTER SCIENCE & ENGINEERING (DS)

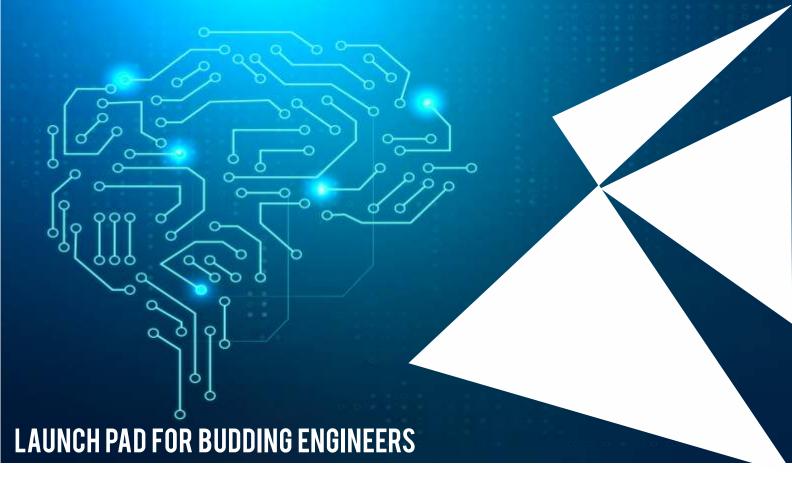
Data science is an inter-disciplinary field of engineering and technology that uses scientific methods, processes, algorithms and systems to extract knowledge and insights from big data. Data science includes data mining, deep learning and big data analytics.

SALIENT FEATURES

SALIENT

FEATURES

- > There is still a huge shortage of data scientists in the industry.
- > All kind of industries are extending their horizon using the data analytics.
- > It is expected that there will be requirements of 85 Millions Data Scientist by 2025.



APPLIED SCIENCE AND HUMANITIES

The department of ASH is the stepping-stone for the students pursuing B. Tech. program. Fundamental Sciences, Humanities and basic technical subjects are taught to build their engineering foundation. The students are exposed to the semester system after a long exposure to the annual system, the first year has this humongous responsibility for the smooth transition and adaptation to the remodelled system of professional learning.

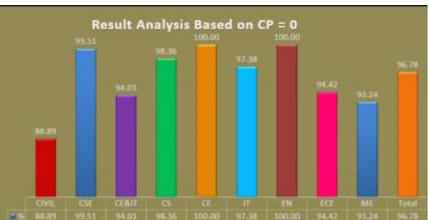


- > ABES Engineering College has maintained the 1st position for past 10 semesters and 5 years in a row, based on the student performance parameters, as decided by the University, till session 2020.
- > One-to-one connect/ correspondence with student and their guardians.
- > Formation of special sections in accordance with need-based identification.
- > Mentoring of our students through personal attention and care

ACADEMIC RESULTS

The 1st year has been instrumental in securing 1st Rank in AKTU for 5 consecutive years

The last year's academic performance



GAIA (Gross Average Intellectual Attainment per student)

GUEST LECTURE



Vice-President, Schneider Electric India



PROF. SAIFFUR REHMAN

Founding Director Advance Research Institute Virginia Tech University, USA



PROF. JAMES M. CONRAD Professor University of North Carolina IEEE-USA President 2020"



MR. SUBRAMANIYAM PULIPAKA CEO National Solar Federation of India

INSPIRE LEARNING INCREASE WISDOM

POST GRADUATE PROGRAMS

ABESEC Aerial Robotics Team congratulated by Dr. A.P.J. Abdul Kalam, President of INDIA (2002 - 2007)



MASTER OF COMPUTER APPLICATIONS (MCA)

The department of MCA at ABES Engineering college started in the year 2000 with an objective of producing highly competent, dedicated and industry-ready professionals steeped in ethical values. Master of Computer Applications (MCA) at ABES Engineering College provides a vibrant learning environment that acts as a catalyst for the growth of the student's academic as well as professional abilities. MCA@ABESEC offers a platform to the students for excellent learning with distinctive strengths in software development and entrepreneurship, contributing to the most needed trained professional manpower for India and the world. We emphasize on the latest programming languages and tools to develop better and faster applications. The duration of MCA course is a total of two academic years which not only focuses on classroom teaching but also hands on exposure on real time projects. We have acquired 01-Consultancy Project, 02-MOUs, 02-granted and 12 Filed Patents.

PARTNERSHIP & MOUS









Student Branch Chapter

ACADEMIC TOPPERS

Final Year Student Mr. Nikit Garg Ms. Shiani Luthhra	1st Rank 2nd Rank	- 8.86 YGPA - 8.77 YGPA
Third Year Student Ms. Deepksha Tripathi Ms. Subhanshi Gupta	1st Rank 2nd Rank	- 9.05 YGPA - 8.98 YGPA
Second Year Student Ms. Roli Singh Mr. Rishabh Kumar Sharma	1st Rank 2nd Rank	- 9.50 YGPA - 8.98 YGPA

START UPS



Mr. Neeraj Srivastava WebSpread Technologies Pvt. Ltd



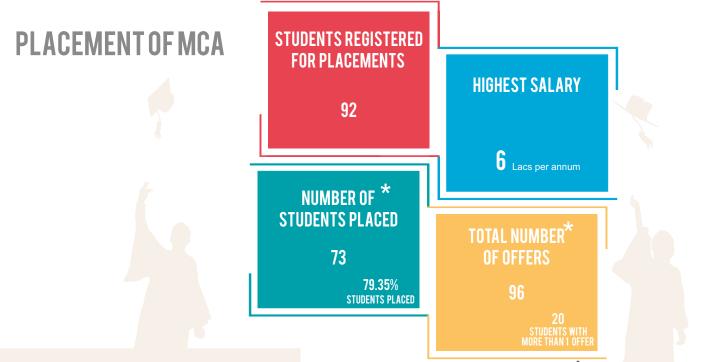
Mr. Saurabh Kumar Singh Tekyul Texologiya Pvt. Ltd.



Mr. Anuj Sharma & Mr Sumit Chauhan Appther Mobility Technologies Pvt. Ltd

👔 Paper Byte

Mr. Piyush Agarwal PaperByte Pvt. Ltd.





Workshops on Artificial Intelligence

*...placement still continuing



Fresher's Party Bien Venido

DEVELOPING STUDENTS FOR SELF-RELIANCE THROUGH ENTREPRENEURSHIP EDUCATION

Ministry of Electronics and Information Technology Government of India





A DESECTION OF A DESE

CAMPUS-STUDENT STARTUPS@iNIF

- ★ Spiderbean (YCD Services Pvt. Ltd.)
- ★ Intern Mania
- STIRL Organics Private Ltd.
- ★ Edufirm
- Happypot Garden Private Limited
- ★ The Volt
- ★ Pulsifyer
- ★ Clinch Hub
- ★ Rent It Out
- ★ Hopper Engineering & Energy Pvt. Ltd.



Build your dreams with us

Add your LOGO here?

OUR BUDDING ENTREPRENEURS



ClinchHub.Com





Reclipped



Intern Mania



Happypot





Total Management Outturn, Delhi



RIO Rentals Pvt. Ltd





·Spiderbean (YCD Services Pvt. Ltd.)





BULAND

STIRL organics



Green Mint Restaurant, Dubai



Educant Pvt. Ltd., Noida





we challenge challenges

ORBITS - "Converting Industry-Academia alliances to technology based engagements."

Orbits is an initiative by ABES Engineering college that brings industrial challenges right into the institute for teams of students and faculty members aided by subject matter experts to provide innovative solutions.

In the fast changing world, only those students can thrive who imbibe the engineering principles and that comes through applied research and implementable practical projects. Orbits has engaged with following clients to provide that opportunity.

ABESEC felicitate Mr. Gurvinder Chatwal, 3M



Confetti India Pvt Ltd.



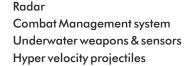
PROJECTS

1.'Improving the air delivery performance of a domestic electric fan' for Havells. 2. 'Mechanical Assistant Arm' specifically for the Honda dealership i,e, Ace Honda. 3. 'Designing of Plug in box contact assembly for bus bar trunking' for C&S Electric Ltd. 4.'Designing and Implementation of Automatic coolant filtration and Recirculation system' for Confetti India Pvt Ltd. 5. 'Research & Design of modified Rollers for performance' for Kalco Alu System Pvt. Ltd.

CREATING FACTOR



MOU with Indian Navy's Technology Development Acceleration Unit (TDAC) under the Indian Navan Student Engagement Programme (IN STEP). ABESEC will be designated as INSTEP Knowledge partner and shall promote a culture of innovation and research in futuristic combat technologies like:



Unmanned Aerial/Underwater/Surface vehicles **Decision support systems** Ammunition

Student will get 5 months' internship opportunity with Indian Navy and will receive a "Certificate of Participation" from Indian Navy. Selected students will get opportunity to work on IN projects with experts from Indian Navy.

OUR PARTNERS IN SUCCESS













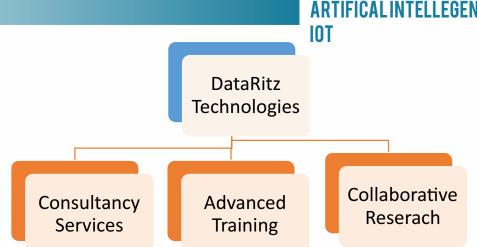
DIGITAL TRANSFORMATION IN 4.0

DataRitz Technologies Enhancing Technology Experience DataRitz Technologies - An IT consulting initiative of ABES Engineering College. It is an ingenious and pioneering initiative of ABES EC to develop and design sustainable growth path for Industry, Startups, Research and Academia. DataRitz Technologies ensures business opportunities in the era of digital transformation to our strategic partners. Our priority is to understand the client's requirements and provide end to end solutions to cater their business needs.

Students at Hackathon BLOCKCHAIN ARTIFICAL INTELLEGENCE IOT

OUR APPROACH

DataRitz Technologies has explored that how companies are getting influenced by disruptive technologies and methodologies in this era of behavioral shifts in business. These shifts are now known to us as Industry 4.0 and we have services to support this transformation.



IIC@ABESEC

ABES Engineering College runs Institution's Innovation Council (IIC) under the direction of MHRD, Govt. of India. The IIC at ABESEC encourages, inspires, nurtures young students and runs several activities in the college such as workshops, Invited talks, Startup Awareness Programs and Internal Smart India Hackathon.

NQUBATORLABS

nQubator Labs are the advanced technology labs under DataRitz Technologies ensuring "Quality Technological Experience" by delivering on global standards. The various cutting edge technologies thriving under nQubator Labs are:

BLOCKCHAIN TECHNOLOGY LAB

Blockchain Technology is an Emerging technology most simply defined as a decentralized, distributed ledger technology that records the provenance of a digital asset.

- Ethereum
- Hyper ledger
- ♦ Corda
- Quorum

IOT & EMBEDDED SYSTEMLAB

The Internet of things is a system of interrelated computing devices, mechanical and digital machines provided with unique identifiers and the ability to transfer data over a network without requiring human-to-human or human-to-computer interaction.

- Raspberry Pi
- Arduino
- * Microcontroller
- ✤ Sensors and actuators

DATA SCIENCE AND ARTIFICIAL INTELLIGENCE LAB

Data Science is a comprehensive process that involves pre-processing, analysis, visualization and prediction. On the other hand, AI is the implementation of a predictive model to forecast future events.

- Advanced Python and R
- Julia and Tableau
- NumbPy and Pandas
- TensorFlow

CYBER SECURITY AND NETWORKING LAB

Cybersecurity is the practice of protecting systems, networks, and programs from digital attacks. Whereas computer networking ensuring the transfer of information.

- Offensive and Defensive Cyber Security
- CCNA certified Router and Switching
- Cisco Certified Network Associates
- ✤ CCNA Cyber Ops

MOBILE AND WEB APPLICATION DE VELOPMENT

Mobile and Web Application development is the process of creating a computer program or a set of programs to perform the different tasks that a business requires.

- Full Stack Development with Angular and Reactor
- Hybrid Mobile Application Development on Flutter
- Front end and Backend Development
- * Spring and Hibernate Framework

SOFTWARE TESTING AND RPA

Software testing is an investigation conducted to provide stakeholders with information about the quality of the software product or service under test. On the other hand RPA stands for Robotic Process Automation is a form of business process automation technology based on metaphorical software robots (bots) or artificial intelligence (AI) workers.

- Software Testing QA/QC- Manual
- Software Test Automation Selenium
- UiPath RPA
- Business Process Automation

CLOUDCOMPUTING

Cloud computing is the delivery of computing services—including servers, storage, databases, networking, software, analytics, and intelligence—over the Internet ("the cloud") to offer faster innovation, flexible resources, and economies of scale.



i Nurture Incubation Foundation (iNIF)

iNIF is a Technology Business Incubator at ABES-EC, which is a separate legal entity registered under section 8 of Companies Act 2013. iNIF is established with the purpose to reduce the risk of doing innovation or business through mentoring and support for youth willing to become Innovator or Entrepreneur.

It has dedicated state-of-art space of around 16000 sq. ft. area with incubation facilities like co-working space, high-end internet connection, conference/meeting room, workshop, computer lab etc[A1]. The experienced and knowledgeable mentors' pool connected with the incubation centre provides support to students in its entrepreneurial journey.

ACHIEVEMENTS & RECOGNITIONS:

1. Grant-in-aid of Rs. 1.70 Cr. under TIDE 2.0 scheme by Ministry of Electronics and IT, Govt. of India has been sanctioned for the incubation center in G3 category. ABESEC is the only institute in the state receiving this recognition.

2. Edu firm has received the angel investment of Rs. 5.00 lacs for operational expenses.

3. Our two startups, Edu Firm and HappyPot have been nominated under the "500 Startups" in India by BENCHMARK TRUST.

4. The institute is re-recognised by MSME, Govt. of India for incubation support.

5. Mr. Mahendra Gupta, Head, Business Incubator has received Best Project Award at IIM, Lucknow startup event.

6. Under DST-NIMAT Project 23 micro enterprises have been developed outside the campus, which generated more than 100 direct employment.

6.1 The institute has created 11 outreach centers at various places of U.P. to flourish entrepreneurship/selfemployment in the state.

6.2 For Financial Year 2019-20 the institute has received a grant of Rs. 15.20 lacs for the same project.

7. A grant of Rs. 85.00 Lacs by AICTE to establish "AICTE IDEA LAB" (AIL). ABESEC is among the 49 approved institutions out of 204 to establish in the premises to provide opportunities to students to innovate.



KEL Award



Sh. Ravi Shankar Prasad Union Minister of Law & Justice, GOI



Facebook Head Quarter

ORRISH CONSULTING

A business process consulting initiative of ABESEC

Orrish Consulting is an initiative of ABES Engineering College, the leader in its segment. We are strategic consulting firm focusing on performance improvement, risk management, new idea generation, innovations, operational excellence, process optimization, product development and human resource talent management. We serve our clients and help them solving their people, product and process related issues.

Orrish's outstanding team brings deep industry and functional expertise and a range of perspectives to spark change through leading-edge management consulting.



Learnys is an Ed-Tech initiative by ABES Engineering College. The objective of this initiative is to create quality content for skill enhancement of undergraduate engineering students. The initiative may also venture into development of innovative models of content and assessment delivery, incorporating essential elements of mentoring.

Lakshya Defence Academy

Lakshya Officer's Defence Academy is being established in ABES EC with the aim of imparting pre selection coaching for SSB interview to candidates aspiring to join Armed Forces as an officer. The training at Lakshya Academy in association with ASTA education will prepare candidates for SSB interview and will help in inculcating and developing Leadership Qualities, Communication Skills and Officer like Qualities (OLQ), thus enabling the individuals to confidently face the SSB Interview successfully. Our advisory board consists of Brig. S.C. Anand, Col. Ram Gopal, Col. Baldev Singh Choudhary, Wg. Cdr. G.S. Sandhu (VSM), Wg. Cdr. I.J. Bhandola, Lt. Cdr. Kshitiz Prasad.

77 **CENTRAL** LIBRARY

A temple of learning

- ✤ Total Title _ 8524
- * Total Volumes 112051
- * National & International Journals 126
- Number of E-books-12030
- Seating Capacity of Reading Room- 250







an opportunity to perform for your audience



Equipped with 24/7

- ✤ Security✤ Gym
- Internet
- Sports
- Canteen
- Ambulance





- Basket Ball
 Badminton Court
 Volley Ball Court
 Cricket * Football
- Lawn Tennis







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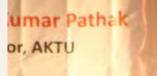


Mr. Kapil Dev inaugurating the flood lit stadium



THEME BACKSTAGE Drawing The Curtains











ABESEC STUDENTS Performance at backstage

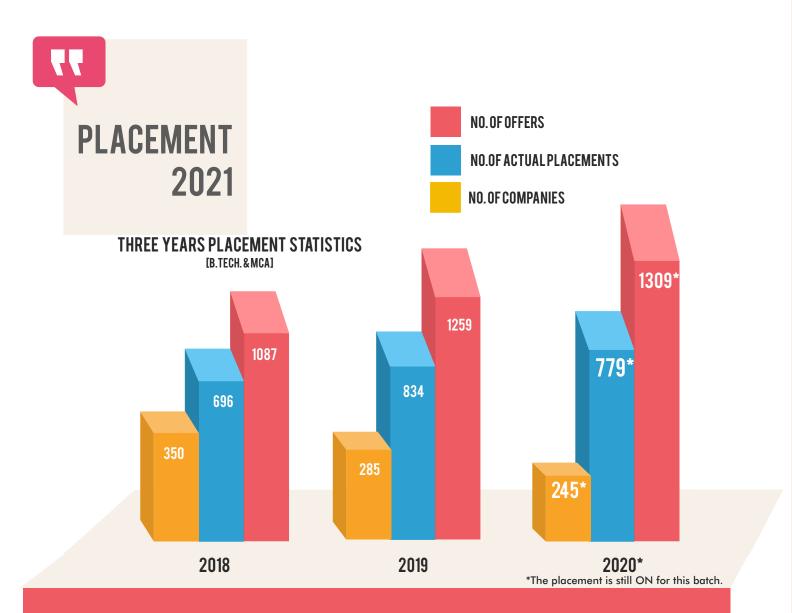


DIVERSIT

campus values the perspective of people from all walks of life



DJ Carnivore



OUR TOP RECRUITERS

COMPANY	NO.OF OFFERS
COGNIZANT	181
TATA CONSULTANCY SERVICES LTD	144
CAPGEMINIINDIA PVT. LTD.	126
INFOSYS	107
ACCENTURE	58

TOP RECRUITERS BY CTC

COMPANY	CTC (LPA)
CISCO	1,820,000
GAINSIGHT	1,300,000
URBÀNLADDER	1,200,000
BARRAISER	1,200,000
MICROSOFT	1,150,000

PLACEMENT @ WIPRO CSE IT ECE EN ME





PLACEMENT@CAPGEMINI CSE IT ECE EN MCA



OUR Alumni



MS. ANSHITARASTOGI (ECE) Company – TCS

My four years spent at ABES Engineering College were splendid and has helped me excel professionally as well as personally. ABESEC has superb and co-operative faculty. The relation between the faculties and the student is very cordial. They have helped a lot to improve my intrapersonal and interpersonal skills.



MR. ANUBHAV RAI (EN) Pursuing MS University of Maryland, USA

Four years of my journey at ABESEC have been the major stepping stone towards the career in which I have progressed. The college provided me with every possible opportunity to explore and excel. I would always feel blessed to be part of the college and would always be thankful to my Electrical and Electronics Department, where every faculty have always been supportive and ready to guide me.



MS.KIRTI RAJPAL (IT) Company – Amazon, Ireland

Transitioning from a student life to the working world can be intimidating to navigate. ABES helped me lay a very strong foundation by giving multi-dimensional learning by providing an apt mix of academics, industry exposure, and attitude & leadership skills. I am thankful to the Management and Faculty who have helped me construct my career and made me what I am today. It is my proud pleasure to be an Alumni of ABES."



MR.RACHITKALRA (ME) Company – NSK Corporation Michigan

For me, Life in ABES has been memorable and enriching. The environment not only helped me in imbibing knowledge but also in developing my overall personality, fueling confidence in me. ABES has achieved excellence in imparting highquality education with a prime focus on holistic learning and inculcating competitive abilities in students which have helped me immensely.



MR.SAMEER SRIVASTAVA (MCA) Company – ICAR, Govt. of India

Doing MCA from ABESEC is one of the wonderful experiences of my life. Today whatever I have achieved is due to the motivation I got from faculties and head of department. They always had faith in me and provided all the guidance and support that I needed to excel in my career. I will always cherish the moments that I have spent in the college with my friends and teachers.



MS. SAUMYA SINGH (CIVIL) Company – Indian Army

Whenever I think about my four years of B.Tech. in ABESEC, I feel like it was my best decision as the amount of exposure which I got, studying Civil Engineering. I got the best faculty who motivated us to do good in whatever we aim for. I was always passionate to wear uniform and serve my nation and I am grateful to God that I achieved it.



MR.SIDDHANTMALIK (CSE) Company– NSW Department of Finance, Services and Innovation, Sydney, Australia

A feeling of nostalgia grips me whenever I recall my college days. Certainly, it's a mixed feeling. My journey through ABES was not a smooth one with ups and down. And, i guess everyone has their own expectations/myths when they choose an institution. Still I feel obliged and lucky to be an ABESECian because you never know what life might throw at you!



MR.SPARSH SINGHAL(MBA) Company –GAK UNIVERSAL ALLIED LTD, Lagos, Nigeria

My experience at ABES Engineering College, MBA Department has meant career advancement to a highly responsible and challenging position in a leading-edge Company. Along with that goes an increased sense of self-esteem and a feeling of accomplishment and personal satisfaction. I found welcoming classmates, engaged faculty, and a built-in community in ABESEC. I really enjoyed the teacher-student feedback, the contents of the courses and the teaching framework offered.



MR.GAURAV SRIVASTAVA (IT) Company –Amdocs, Mexico

Creating a professional career often involves a bit of forecasting especially in the beginning stages and visualizing the success is vital. Being able to inspire self by focusing on the future goals and feel invested in the current accomplishments by being the best in whatever we do is so important to earn a piece of Equity in the Professional World. It is my proud pleasure to be an alumni of ABES.



MR. VAIBHAV CHATURVEDI (CSE) Pursuing MS University of Maryland, USA

Proactive College provided training of a high quality and always acted Professional. My Experience at ABESEC has been unforgettable from the start .The campus filled with positive energy and exuberance am grateful to my institute for having created an excellent with good and professional Teachers.









Students won medals in university Arts, Cultural and Sports meet.

77

VALUES

Respect We treat people the way we want to be treated

Integrity We believe in doing things right when no one is watching

Accountability We take full responsibility of our actions and are accountable for them

Transparency We communicate openly amongst ourselves and all our stakeholders to avoid any misconception

Excellence We endeavor to think out-of-the-box and deliver maximum value to all our stakeholders



INSTITUTION OF YOUR DREAM -200-

ABES Engineering College, Ghaziabad is for YOU, It cares about you and your dreams. Let's step-in the world of innovation where your ideas are nurtured to take shape in real world products. We assure you that you are moving in right direction, come and join and your future will be in safe hands.











ABES Engineering College



(Approved by AICTE, MHRD, New Delhi & Affiliated to Dr. APJ Abdul Kalam Technical University, Lucknow, UP)

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