



**AJAY KUMAR GARG ENGINEERING COLLEGE**  
**GHAZIABAD**

**INFORMATION BOOKLET**  
**FOR**  
**ACADEMIC YEAR 2020-21**

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**NAAC Accredited**  
**NBA Accredited B.Tech. Courses**

**Approved by AICTE and Affiliated to Dr. A.P.J. Abdul Kalam Technical University, Lucknow**

## **VISION, MISSION AND QUALITY POLICY OF THE COLLEGE**

### **VISION**

To introduce undergraduate and postgraduate courses for all engineering branches and award of Ph.D degree to be one of the best engineering colleges in the country and to be a deemed university.

### **MISSION**

We strive to provide and maintain academic environment and systems, enabling maximum learning to produce competent professionals. We also aim at achieving this through transparent academic and administrative policies in the college. We intend to provide conducive atmosphere for research, development and consultancy services to our faculty at national and international level.

### **QUALITY POLICY**

To provide and continually improve academic environment and systems which give total satisfaction and enable students to develop their full potential and mature into competent professionals and responsible members of society.

## **ABOUT THE COLLEGE**

Ajay Kumar Garg Engineering College, NBA accredited (B.Tech - CSE, ECE, IT, EN and ME programs) and NAAC accredited institute, is an initiative of Indian Institute of Management and Engineering Society. Started in 1998, the institute has built an excellent faculty pool of experience and rich intellectual capital base, state-of-the-art infrastructure, technology savvy campus along with commitment towards excellence. The emphasis has been to build industry ready technocrats and develop sound academia-industry collaboration.

The college offers B.Tech courses in eight disciplines and B.Vocational courses in two engineering disciplines. At the post graduate level, the college offers M.Tech courses in four engineering disciplines and the MCA course. The courses are approved by AICTE and affiliated to Dr. A.P.J. Abdul Kalam Technical University (AKTU), Lucknow.

The college has been consistently maintaining excellent academic results and placements. The college students have the honour of being awarded the Chancellor's Award for highest marks in all B.Tech courses for four consecutive years in 2015-16, 2016-17, 2017-18 and 2018-19. The college places special emphasis on collaboration with industries at various levels to groom the students to meet the standards of industry. These include establishing collaborative facilities for student training in emerging multi disciplinary technologies and undertaking industry sponsored consultancy projects.

The college has the distinction of being the first and only college in the State of Uttar Pradesh to receive the Academic Excellence Award for the Best Engineering College in UPTU (now renamed AKTU) from His Excellency, the Governor of U.P., for two successive years. The college is also recipient of CMAI award for Best Industry Interface from the Hon'ble Minister of Science and Technology, U.P. Government. The college has been awarded for best Robot Lab Setup and also declared the best STEM College in India by All India Council of Robotics and Automation (AICRA) during the 3<sup>rd</sup> edition of India Stem Contribution Award & Conference 2020.

Spread over a 40 acre campus, the college has excellent infrastructure. The academic and administrative blocks, hostels and faculty residences surrounded by lush green lawns provide a conducive environment. In keeping with the college philosophy of environmental sustenance, the eco friendly campus has a network of rainwater harvesting systems to recharge ground water and sewage treatment plants to recycle the water for horticulture needs. AKGEC has installed on-grid solar power systems of capacity of 330 kW by installing solar photovoltaic panels on the available roof area of academic complexes and hostels to facilitate harnessing of solar energy.

The main distinguishing features of the college have been uniform transparent policies and systems as well as uncompromising honesty in every facet of its activities. The college believes in setting audacious goals and infusing fresh ideas to achieve them. Our alumni are known not only for their professional competence but also for their moral values, ethics and a sense of civic and social responsibility.

### **SCALING THE ZENITH OF EXCELLENCE**

**Driven by its commitment to provide quality technical education, Ajay Kumar Garg Engineering College has become the best Engineering Institution in Uttar Pradesh**

## **THE DIRECTOR GENERAL**

Dr. R.K. Agarwal has an exceptionally brilliant academic background with B.Tech from IIT Kanpur, M.S. from CIT, Cranfield, UK and Ph.D from IISc Bangalore. During his illustrious career of nearly three decades in the Indian Air Force and Defence Research & Development Organization (DRDO), he has held various key appointments including Chief Engineering Officer of an Operational Base, Director (Engg) at Air HQ and Project Director at Centre for Airborne Systems. His vast managerial, administrative, research and academic experience includes teaching assignments at Air Force Technical College and nine years of pioneering R&D work on the prestigious AWACS project in DRDO. He has also been a member of the Aeronautical Research & Development Board (ARDB) panel for approval and review of sponsored research projects at various centres of Excellence established at IITs and CSIR Laboratories.

He is the recipient of the coveted Royal Aeronautical Society (UK) Award for academic excellence at CIT and a citation with cash award by DRDO for his contribution to the design and development of Airborne Early Warning Aircraft, culminating in its maiden flight.

After taking voluntary retirement in 2004, Dr. Agarwal decided to contribute in the field of technical education and has been the Director of Ajay Kumar Garg Engineering College (AKGEC), Ghaziabad since then. He has been persistently working towards setting new benchmarks in academic excellence as well as industry–academia interface to make the students globally competitive and employable. During his tenure, the college has not only been consistently maintaining exceptional results and placements but has also made significant progress in research and industry relevant consultancy projects. A number of initiatives and collaborative ventures with eminent multi-national companies have led to establishment of many multi-disciplinary, high technology industry relevant facilities. These include India's first Kuka Industrial Robotics Training Centre, NI-LabVIEW Academy, Bosch Rexroth Centre of Competence in Automation Technologies, Janatics Industrial Pneumatic Knowledge Centre , Siemens PLM Centre of Excellence and AIA Centre of Competence in Integrated Automation. The College has received various prestigious awards under his able guidance and leadership.

Dr. Agarwal has been working towards promoting industry academia collaborations in the region through deep involvement with various industrial associations and organizations like the Confederation of Indian Industries (CII) and Ghaziabad Management Association (GMA). He has been the President of GMA (2015-17), and Member of CII Western UP Zonal Council since 2012.

He has also contributed in bringing about a culture of corporate social responsibility in academic institutions. The social activities initiated by him include running a free primary school in the college, adopting a municipal corporation school in a nearby village, providing tuition fee subsidy to children of class IV employees, donating computers to spread computer literacy and generously contributing for relief work after natural calamities. He places special emphasis on all round development with focus on inculcating self discipline, good moral values, ethics, work culture and a positive attitude to make the students not just competent professionals but also

good citizens and responsible members of the society. His wide ranging experience, vision and dynamism have infused inspiration and provided a road map for academic institutions to achieve the zenith of excellence in all fields of activities.

## **INFRASTRUCTURE**

### **Academic Complex**

The academic complex spanning over the main block, back block, lecture theatre block, Mechanical Engineering block, CSE and IT block and the MCA block consists of fully furnished lecture halls equipped with modern teaching aids, well equipped laboratories, computer centre, library, seminar halls and faculty rooms to facilitate smooth conduct of courses in a befitting manner.

### **Library**

The AKGEC Library System comprises of a Central Library, eight Departmental Libraries and five Hostel Libraries. The Central Library, housed in the Administrative Block of the College, consists of two sections spread over 1465 Sq Mtrs with a total seating capacity for 344 users. Comfortable study space is provided for faculty, staff and students in the form of reading hall, study cubicles, digital library and faculty reading room.

The library system is very user friendly with sufficient resources to meet the requirements of the users. Addition of resources as per the requirements and norms is a regular feature. Sufficient numbers of qualified staff are employed to manage the activities of the library.

The state-of-the-art facilities include KOHA Open Source Library Management Software which also has Web Based Online Public Access Catalogue (Web OPAC), Digital Library, Institutional Repository Server on DSpace software, Membership to DELNET and National Digital Library.

The Departmental and Hostel libraries are managed and run by the respective departments and hostels with resources taken on loan from Central Library. All students, faculty and staff of the College are entitled to take membership and make use of the library facilities. Admission to the Central Library is through Identity/Library Card which is scanned at the entrance to keep record of the users. The library is under camera surveillance through ten cameras that have been installed at various locations. The library attracts an average of 350 users on a regular working day.

For more information, visit <https://akgec.ac.in/library>

## **Laboratories**

The departments are well equipped with an array of highly advanced laboratories that are sufficiently equipped with the latest instruments and apparatus. The labs provide state-of-the-art platform to students through practical application of concepts. College provides modern and sophisticated laboratory facilities that are constantly upgraded. Faculty lab incharges along with the lab assistants ensure regular updation and maintenance of the lab equipment.

A dedicated language lab, set up with 31 terminals and the latest software packages, is also available for the development of the students' communication skills.

## **Central Computing Facility**

The college has state-of-the-art computing facilities with about 1800 computers networked through broadband for Internet access. Three computer centres equipped with the latest configuration computers serve as a central computing facility for the students. One computer centre is open for use by the students beyond college hours upto 9 p.m. The academic and administrative blocks, hostels and the faculty residences are WI-FI enabled.

## **Hostels**

The college has separate on campus hostels for boys and girls providing accommodation for about 1500 students. The hostel rooms are well furnished with the provision of furniture, almirahs, bedding and curtains. Each hostel has its own mess and well furnished dining hall, gymnasium, TV room, library, playgrounds, recreation room, adequate power back up, solar water heating system, canteen cum utility shop and round the clock security. Separate residential Wardens are employed for each hostel. Separate hostels are provided to first year students.

## **Healthcare Facilities**

The college provides comprehensive medical facilities to the students at a very nominal charge. The students are provided free OPD at the RSG Indo German Hospital, a 60 bedded hospital with ICU, operation theatre and diagnostic facilities in the vicinity of the campus. A free medical check-up is arranged for all the students at the time of joining the college. Ambulance facility is available, on call round the clock, in case of an emergency. In addition to these in-house medical facilities, the college procures Group Mediclaim and Group Accidental Policy for all students.

## **Other Facilities**

- Separate canteen in college and each hostel
- Utility shop in each hostel
- Stationary shop in the college
- ATM on campus

## ACADEMIC PROGRAMS

Courses	Sanctioned Intake
<b><u>Bachelor of Technology (B.Tech)</u></b> <b>4 year degree course</b>	
Computer Science & Engineering	180
Electronics & Communication Engineering	180
Mechanical Engineering	180
Information Technology	180
Electrical & Electronics Engineering	120
Civil Engineering	90
Computer Science	60
Computer Science and Information Technology	60
<b><u>Bachelor of Vocation (B.Voc)</u></b> <b>3 year full time graduate course</b>	
Automobile Engineering	50
Production Engineering	50
<b><u>Master of Technology (M.Tech)</u></b> <b>2 year full time post graduate course</b>	
Computer Science & Engineering	18
Electronics & Communication Engineering	18
Electrical and Electronics Engineering	18
Mechanical Engineering	18
<b><u>Master of Computer Applications (MCA)</u></b> <b>MCA (2 year full time post graduate course)</b>	
	120

The College is affiliated to Dr. A.P.J. Abdul Kalam Technical University, Uttar Pradesh, Lucknow for all its courses.

## **ADMISSION PROCEDURE**

### **B.Tech and MCA Programmes**

#### **Admission through UPSEE 2020 Counseling:**

- For admission to **first year of B.Tech.**, a candidate must have passed (with/without grace) intermediate examination of U.P. Board or 10+2 level examination or its equivalent with compulsory subjects (Physics & Mathematics) and one of the optional subjects (Chemistry/ Bio-Technology / Biology / Technical Vocational subject) OR passed (with/without grace) Diploma (in Engineering and Technology) examination.
- Candidates who have passed (with/without grace) three years Engineering Diploma recognized by the Board of Technical Education, U.P. or three years B.Sc. degree from any recognized University with mathematics as one of the subjects at XII standard, in any branch of Engineering (except Agriculture Engg., Pharmacy and Architecture, are eligible for admission to **B.Tech Second year (Lateral Entry) in any branch of Engineering /Technology**.
- For admission to **first year of MCA**, a candidate must have passed (with/without grace) BCA/ B.Sc./ B.Com./ B.A. of three years minimum duration with Mathematics at 10+2 level or at Graduation Level from any recognized Indian University; or its equivalent, recognized by A.I.U.

**For criterion pertaining to requirement of minimum percentage of marks, reservation, domicile etc., please refer to UPSEE 2020 Information Brochure.**

#### **Direct Admissions at College level**

Management quota seats shall be filled at institute level as per eligibility criteria stated in UPSEE 2020 Information Brochure. The vacant seats in Management quota or vacant seats after counseling of UPSEE-2020 shall be filled strictly in following preference order:

- (1) Firstly, by the qualified candidates of JEE (Main)-2020
- (2) Secondly, by the qualified candidates of UPSEE-2020
- (3) Thirdly, by the merit of candidates in qualifying examinations as laid down by All India Council of Technical Education, New Delhi for admission to various programmes which are updated from time to time.

## **B.Vocation (B.Voc) Program**

Admission to B.Voc course is done through UPSEE counseling. The minimum qualification is Intermediate (10+2) or equivalent with Physics, Chemistry and Mathematics

Candidates who have qualified Certificate Level 4 from any recognized technical/skill/vocational board are also eligible for admission to relevant B.Voc course

Direct admission at College level will be as per guidelines of AICTE and according to the latest U.P. Government notifications / rules

Note: Meeting minimum eligibility criteria and submission of form does not guarantee admission.

## **M.Tech Programs**

Admissions are made through counseling conducted by Dr. A.P.J. Abdul Kalam Technical University (AKTU), Lucknow and also directly at the College level. The University issues notification for counseling in the month of June/July and invites applications from the students.

### **Eligibility**

**Electronics and Communication Engineering:** B.E./B.Tech in Electronics & Communication Engineering or related branches.

**Electrical and Electronics Engineering:** B.E./B.Tech in Electrical Engineering, Electrical & Electronics Engineering or related branches.

**Computer Science and Engineering:** B.E./B.Tech in Computer Science Engineering, Information Technology or related branches or MCA.

**Mechanical Engineering:** B.E./B.Tech in Mechanical Engineering or related branches.

The criteria for admissions directly at College level is B.E./B.Tech in relevant branch of engineering or MCA (for M.Tech in CSE) and as per guidelines prescribed by AKTU.

## **FEE REFUND NORMS**

In case of cancellation of admission, fee will be refunded as per the AICTE notification and G.O. passed by the U.P. Government.

<b>S. No</b>	<b>REQUEST FOR REFUND</b>	<b>REFUND</b>
a.	Request received before start of session	Entire fee after deduction of Rs. 1000/-
b.	Request received after start of session and seat not being filled by the College till the last date of admissions	Caution money only

In case of withdrawal from hostel, only security and mess charges (for unutilized months) are refundable on a pro rata basis.

## **AFFILIATION AND ACCREDITATIONS**

The College is affiliated to Dr. A.P.J. Abdul Kalam Technical University, Uttar Pradesh, Lucknow for all its courses.

Five of the College under graduate engineering programmes - B.Tech CSE, B.Tech ECE, B.Tech EN, B.Tech IT and B.Tech ME are accredited by NBA..

The College is also NAAC accredited.

## **ACADEMIC PROCESSES**

### **University Ordinance**

The University Ordinance consists of all rules and regulations that govern the entire academic system of the University. The Ordinance for various courses is available on University website (aktu.ac.in) and students are expected to read it on a regular basis, so that they not only remember its salient features but also get aware of the updates taking place from time to time.

## **Semester Registration**

Registration is an important part of effective academic coordination. It ensures the inclusion of student's name on the role list of each semester.

Every student is required to complete registration formalities at the beginning of each semester (Odd & Even) on dates specified by the College. Students are required to strictly adhere to the registration dates and processes, failing which, disciplinary actions may be initiated against them by the College. Each student is required to register in person himself / herself and start attending classes as per the time table from the date of commencement of classes.

Students will not be permitted to attend classes without registration and will be marked absent in the classes till he / she completes the registration process. No relaxation in attendance will be permitted on account of late registration.

## **Evaluation Scheme and Curriculum**

The evaluation scheme and detailed curriculum for each semester are published by the University on its website ([aktu.ac.in](http://aktu.ac.in)). The evaluation scheme includes the theory and lab courses to be studied by the student during the semester with the number of prescribed hours of teaching, internal and external marks and credits for each course.

Departmental electives from those listed by the University are offered by the Departments for the students in the parent Department and Open electives are offered by Departments for students of other Departments.

The University has prescribed completion of certain audit courses through MOOCs. The students are required to register for these courses and complete the course content through online lectures as well as submit online assignments. End semester examination is conducted by the University.

For complete details students may refer to the AKTU website ([aktu.ac.in](http://aktu.ac.in)).

## **Time Table and Conduct of Classes**

The classes, labs, seminars and project work, as specified in the evaluation scheme and syllabus published by the University on its website ([aktu.ac.in](http://aktu.ac.in)), are conducted in accordance with the time table issued by each department.

## **Attendance**

Attendance norms as prescribed by the University Ordinance are followed strictly for all courses. Besides these, students are required to follow the attendance norms detailed by the College through regular notices for various curricular and co-curricular activities.

## **Examination**

During any semester, the students shall be appearing in internal and external examinations. The internal examinations include Sessional Test-I, Sessional Test-II and Pre-University Test which along with attendance and teacher's assessment form the basis of calculation of final internal marks for the entire semester. In addition, Class Test-I and Class Test-II are conducted only for the first year students. The external or end semester examinations are conducted by the University. Both University and College issue relevant circulars/notices at appropriate times regarding conduct of examinations and publish the date sheet.

The end semester examinations are conducted by the University at the end of each semester in accordance with the date sheet published by the University. The students are issued Admit Card by the University only on fulfillment of attendance and other norms required as per the ordinance of the University (available on [aktu.ac.in](http://aktu.ac.in)). The students are required to appear for theory examinations at examination centres that are in other colleges and decided by the University. Students are advised to read carefully the norms for reporting time to examination centre, use of calculators, prohibitions, penalties imposed by the University for use of unfair means during examination and others as mentioned in the University Ordinance.

The students appear for the external practical examinations at their own college during period specified by the University. The examination is conducted by External Examiner appointed by the University in presence of Internal Examiner appointed by the College. The practical examination consists of written work related to the experiment(s) assigned to each student, conduct of experiment by the student and viva voce conducted by the External Examiner with marks for each of these.

## **Grant of Internal Marks**

The internal marks for each theory course, as specified in the evaluation scheme of the University, are granted on the basis of internal tests, attendance and Teacher's Assessment.

The internal marks for each lab course are granted on the basis of continuous evaluation during each lab class, two viva voce conducted during the semester, maintenance of lab record on the experiments conducted and attendance during the semester.

## **Passing Marks and Promotion Norms to Next Semester/Year**

### **B.Tech Course**

#### **Passing marks in a subject:**

- (a) To pass in Theory Subject, a student must secure a minimum of 30% of the maximum marks prescribed by the University in the end semester examination and 40% of aggregate marks in the subject including sessional marks.
- (b) To pass in Practical/Internship/Project/Viva-voce examination, a student shall secure a minimum of 50% of the maximum marks prescribed by the University in the relevant Practical/Internship/Project/Viva-voce examination and 40% of marks in aggregate in the Practical/Internship/Project/Viva-voce including sessional marks.
- (c) To pass in subject which has only sessional component and no End semester exam component, such as Seminar, a student should secure a minimum of 40% of the maximum marks prescribed.
- (d) To pass in subject having Theory and Practical component, a student shall secure minimum of 30% of the maximum marks prescribed by the University in theory examination and 50% of marks in practical examination; in addition the student must secure 40% of marks in the aggregate in the subject including theory exam, practical exam, theory sessional and practical sessional.

#### **Promotion norms:**

- a) There is no restriction for promotion from an odd semester to the next even semester.
- b) For promotion from even semester to the next odd semester (i.e. of the next academic year), the student must either clear all papers of any of the two semesters of an academic year or earn the credits greater than or equal to minimum of the total credits allocated to any of the two semesters of an academic year as given in the Evaluation Scheme of the University.
- c) In yearly result, a student shall be declared PASS (clear pass i.e., without any carry over paper) only if he/ she secures minimum passing marks in all the subjects and minimum Semester Grade Point Average (SGPA) of 5.0 in each semester of an academic year

### **MCA Course**

#### **Passing marks and promotion norms (From the session 2017-18 and onwards):**

#### **Passing marks in a subject:**

- (a) To pass in Theory Subject, a student shall secure a minimum of 30% of the maximum marks prescribed in the end semester University examination and 40% of the aggregate marks in the subject including sessional marks.

(b) To pass in Practical/Project/Viva-voce examination, a student must secure a minimum of 50% of the maximum marks prescribed in the end semester University Examination in the relevant Practical/Project/Viva-voce and 40% of the aggregate marks in the Practical/Project/Viva-voce including sessional marks.

**Promotion norms:**

- (a) There shall not be any restriction for promotion from an odd semester to the next even semester.
- (b) For promotion from even semester to the next odd semester (i.e. of the next academic year) the student must secure a minimum of 24 credits in theory and practical subjects in the immediately preceding two semesters.

Minimum Credit Threshold for Promotion:

First Year to Second Year: 24 Credits in First Year

Second Year to Third Year: 24 Credits in Second year

- (c) The result of the semester shall be declared PASS (clear pass i.e., without any carry over paper) only on securing minimum passing marks in all subjects and minimum Semester Grade Point Average (SGPA) of 5.0 in each semester of an academic year.

**M.Tech Course**

**Passing marks and promotion norms (From the session 2018-19 and onwards):**

**Passing marks in a subject:**

- (a) To pass in theory subject, the student must secure a minimum of 40% of the maximum marks prescribed in the end semester University examination and 50% of the aggregate marks in the subject including sessional marks.
- (b) To pass in Practical / Internship/ Project/ Viva-voce examination , a student shall secure a minimum of 50% for the university examination in the relevant Practical / Internship/ Project/ Viva-voce and 50% of the aggregate marks in the Practical / Internship/ Project/ Viva – voce including sessional marks.
- (c) To pass in Seminar, as student shall secure a minimum of 50% of the maximum marks prescribed.

**Promotion norms:**

- (a) There shall not be any restriction for promotion from a semester to the subsequent semester, provided that, the student fulfills the attendance requirement and minimum credit requirement (72 credits) for M. Tech. degree. The lower and upper limits for course credits by a full time student registered in a semester are 12 Credits and 22 Credits respectively.
- (b) For promotion from one semester to next semester the minimum credit required are 50% of the total credits of the subjects opted for study in the semester.

**Note: All students admitted/enrolled in B.Tech, M.Tech and MCA Courses are advised to mandatorily go through the Ordinance available on University website for the updates, any act of omission and commission w.r.t. above-stated norms and also for the other important provisions.**

**Monitoring and Control**

Monitoring the performance of the students and taking corrective actions is important for their overall success. Relevant procedures have been devised by the College for the purpose.

- Internal tests are a method for continuous assessment of academic performance of the students. The results of the internal tests are analysed by the respective Heads of Departments and students not performing well are advised and counseled appropriately.
- Topper students from each section are awarded certificate and cash prize.
- Parents of those students who absent themselves in the internal tests are informed through letters and advised to meet the Head of the Department.
- Monitoring of attendance of students is carried out very rigorously and adequate actions taken as per the policies of the College. Students not meeting the attendance criteria set by the College for appearing in internal tests are debarred from the same. Their counseling for attending the classes regularly is carried out by the faculty and Heads of Departments. Letters are dispatched to their parents informing about the low attendance of their wards and parents are advised to counsel them accordingly.
- Students are monitored for five consecutive absents in a class and parents are informed about the same.
- Students not performing well in the internal tests are counseled by the Heads of Departments for more hard work. Special classes for such students are conducted, if required. Parents of the students are informed through letters and advised to visit the College to discuss the performance of their wards.

- In an attempt to improve the performance of students, students not performing well are identified based on their performance in previous semester and given special attention for improvement. Students performing exceptionally well are motivated to perform even better and facilitated with extra books from the library etc.
- Under the mentorship program, a faculty mentor is appointed over every twenty students to solve their problems as well as guide and mentor them.

### **AWARDS AND INCENTIVES**

Encouraging the students to perform better is a continuous effort at AKGEC. Various awards at different stages have been instated in order to motivate the students towards better performance in academics.

<b>ACADEMIC PERFORMANCE AWARDS FOR STUDENTS</b>	
<b>FINAL YEAR B.TECH</b>	
<b>POSITION AT UNIVERSITY LEVEL</b>	
<b>Across the Branches</b>	
1 <sup>st</sup> Position Holder	Rs. 50000/-
2 <sup>nd</sup> Position Holder	Rs. 45000/-
3 <sup>rd</sup> Position Holder	Rs. 40000/-
4 <sup>th</sup> to 10 <sup>th</sup> Position Holder	Rs. 30000/-
<b>Branch wise</b>	
1 <sup>st</sup> Position Holder	Rs. 40000/-
2 <sup>nd</sup> Position Holder	Rs. 35000/-
3 <sup>rd</sup> Position Holder	Rs. 30000/-
4 <sup>th</sup> to 10 <sup>th</sup> Position Holder	Rs. 20000/-
11 <sup>th</sup> to 15 <sup>th</sup> Position Holder	Rs. 15000/-
16 <sup>th</sup> to 20 <sup>th</sup> Position Holder	Rs. 10000/-
<b>I, II, III Year B.Tech (If University Merit is declared)</b>	
<b>Across the Branches and Branch wise</b>	
1 <sup>st</sup> Position Holder	Rs.25000/-
2 <sup>nd</sup> Position Holder	Rs.20000/-
3 <sup>rd</sup> Position Holder	Rs.15000/-
4 <sup>th</sup> to 10 <sup>th</sup> Position Holder	Rs.10000/-

<b>POSITION AT COLLEGE LEVEL</b>		
College Topper (Year wise amongst all branches)		Rs.10000/-
<b>Branch wise position holder</b>		
1 <sup>st</sup> Position		Rs.5000/-
2 <sup>nd</sup> Position		Rs.4000/-
3 <sup>rd</sup> Position		Rs.3000/-
<b>Performance in Internal Exams (Section-wise)</b>		
Criteria of Attendance	90% and above Best Student	Rs. 2000/- (Rs. 3000 if 100%)
	90% and above Second Best Student	Rs. 1000/-
Criteria of ST-1	80% and above Best Student	Rs. 1000/-
Criteria of ST-2	80% and above Best Student	Rs. 2000/-
Criteria of PUT	80% and above Best Student	Rs. 3000/-

### **INDUCTION / ORIENTATION PROGRAM**

In accordance with the guidelines outlined by AICTE and AKTU, the freshly arriving first year students are to undergo Induction Program for three weeks. Salient points of the induction program are:

- a) Regular PT/Yoga sessions in the morning
- b) Lectures on Human Values topics by faculty mentors qualified in Human Value Course.
- c) Guest lectures by eminent speakers on motivational and other important social issues.
- d) Creative Art Sessions to be conducted by senior students of all social and cultural societies.
- e) One hour games period in the evening. Students are motivated to pick up at least one team game such as kho kho, kabbadi, football, volley ball, basket ball and cricket.
- f) Students are introduced to the departments in the college and the various central facilities including library, computer centres, Centres of Excellence and Software and Business Incubation Centres. Students are also made to visit the college Faith Centre.
- g) Address by the Director, Proctor and Heads of Departments.

The induction program culminates into a Freshers' Party where in senior B.Tech II year students welcome the freshers by putting up a grand cultural and musical show for them.

## **ANTI RAGGING COMMITTEE**

Ragging is totally banned in AKGEC. As per the regulations given by the Supreme Court of India, anyone found guilty of ragging and/or abetting ragging will be severely punished including suspension from college with heavy fine and/or imprisonment.

As per UGC/AICTE regulations, an Anti Ragging Committee has been formed under the chairmanship of the Director General. The committee enquires all reported cases of ragging . The members of the committee are

College Proctor  
Members of Civil Administration  
Members of Police Administration  
Members of the Press  
Parents of Students  
One Student Representative

Each of the following would constitute an act of ragging:

- Any conduct by student(s) whether by words, spoken or written, or by an act which has the effect of teasing and/or treating or handling with rudeness a fresher or any other student.
- Indulging in rowdy or indisciplined activities by student(s) which causes or is likely to cause annoyance, hardship, physical or psychological harm or to raise fear or apprehension thereof in any fresher or any other student.
- Asking any student to do any act which such student will not in the ordinary course do and which has the effect of causing or generating a sense of shame or torment or embarrassment so as to adversely affect the physique or psyche of such fresher or any other student.
- Any act by a senior student that prevents, disrupts or disturbs the regular academic activity of any other student or a fresher.
- Any act of financial extortion or forceful expenditure burden put on a fresher or any other student by students.
- Any act or abuse by spoken words, emails, post and public insults.

Ragging related issues may be brought to the notice of any of the following members of the College Anti Ragging Squad.

<b>Name</b>	<b>Designation</b>	<b>Mobile No.</b>
Prof. S.L. Kapoor	Proctor	9582208028
Prof. I.P. Sharma	Dean Hostels	9650370337
Prof. Mamta Bhusry	Chief Warden (Girls)	9999275330
Prof. Ashiv Shah	Chief Warden (Boys)	9891984680
Dr. Aditya Pratap Singh	Assistant Proctor & Resident Faculty Warden (Boys)	9958883636
Mr. Anuj Dwivedi	Assistant Proctor & Resident Faculty Warden (Boys)	9910207556
Mr. Vivek Pansari	Assistant Proctor	9868666480
Prof. Anu Chaudhary	Professor and HoD Department of Information Technology	8527976204
Mr. Shashank Sahu	Associate Professor Department of Computer Science and Engineering	9868301375

However, be judicious and examine every issue critically before terming it as “ragging”. Mere interaction of senior students with you may not always be ragging.

### **ANTI RAGGING MEASURES**

In view of UGC/AICTE policy on ragging, College has initiated following anti ragging measures:

1. Students are made aware on ills of ragging through various presentations and discussions.
2. An anti ragging balloon with the Anti Ragging message is flown from the roof of the College Canteen for about a month during period of arrival of first year students.
3. Anti Ragging Poster making competition is held for all students during the period of three weeks of Induction Program.
4. Anti Ragging Kite Flying Campaign is arranged in which all faculty, staff and students participate along with the freshers to spread an anti ragging message.
5. Anti Ragging Committee and Anti Ragging Squad are functional in the College.
6. Senior students of the Discipline Committee escort the freshers for about a month to generate confidence in them.

## **STUDENT DISCIPLINE COMMITTEE**

A Student Discipline Committee working under the Proctor has been formed with the following functions :

1. Helping and guiding newly admitted students to move in the college from place to place during the entire period of the Induction Program and till completion the Freshers' Party
2. Assisting freshers in resolving their problems, if any, and bringing these to the notice of Proctorial Team.
3. Assisting the Proctorial Team in maintaining general discipline in the college.

## **PUNCTUALITY DRIVE**

Punctuality is an important aspect of inculcating self esteem and discipline. The College regularly conducts the drive for ensuring that students are punctual in all their activities. To motivate students for punctuality in their classes, the College has initiated three types of awards.

Type A Award	Two students among those who reach their classes well in time in the first period in morning are awarded Rs.200/- each daily based on lottery system.
Type B Award	All these students who have been awarded punishment for being late if subsequently show improvement are awarded Rs.500/- each.
Type C Award	All students of one class in each year who record highest average attendance over a month in the first class are recognized and honored by giving token gift/Tea with Director General and Head of the Department every month.

## **INTERNAL COMPLAINTS COMMITTEE (ICC)**

In pursuance of the Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act 2013 and the Rules framed there under, the College has constituted the Internal Complaints Committee with a view to combat harassment against women employees and students.

The role of the ICC is to act as an Inquiry Authority on a complaint of Sexual Harassment, examine the case and on completion of enquiry submit report with recommendations to the Head of the Institute.

## **STUDENT GRIEVANCE REDRESSAL COMMITTEE (SGRC)**

In order to address the grievances of students of College, which are not taken care of by the normal available channels, a separate “Student Grievance Redressal Committee (SGRC)” has been constituted as follows:

<b>Name</b>	<b>Mobile No.</b>
Prof. P.K. Chopra (Chairman)	09350023027
Associate Professor Seema Garg	09717232515
Assistant Professor Aditya Pratap Singh	09958883636
Assistant Professor Naresh Kumar	09416467489
Ms. Suhani Srivastava (Third Year of ECE Branch)	09559658471

The concerned student is required to contact any member of committee, preferably in writing, about their grievance so that suitable remedial action, if required, may be initiated by the committee. The grievance can also be registered online at [www.akgec.ac.in](http://www.akgec.ac.in). It may be noted that anonymous/ unnamed grievance / complaints without proper details will not be entertained.

## **ACADEMIC INSTRUCTIONS**

- Students are advised to attend all classes, labs, seminars and project work as per the time table issued by the department.
- Students are also required to attend all scheduled co-curricular activities including guest lectures, personality development programs and others.
- Students are required to be seated in the classroom before the faculty member has entered in the room. Late comers (for any reason) will not be given attendance for the class.
- Students are required to keep their mobile phones in switched off mode during the classes and labs.
- Students are required to attain the attendance criteria as specified by the Institute.
- Any changes affecting the students or class schedule will be communicated to the students via the Notice Boards or other modes of communication including e-mail or online message. It is important that the students keep themselves abreast on any changes in timetable details and other announcements. It is the responsibility of students to update themselves with these communication made from time to time.
- Students are advised not to participate in mass bunking of classes. The practice will call for disciplinary action and monetary fine.



- Students are not allowed to use personal pen drives, CDs DVDs etc. , in the computer lab. No duplicate or pirated software (s) will be allowed to be used in a Computer Lab.
- Students are required to inform the Lab Assistant immediately if a computer is not working properly.
- Students are expected to act in a professional manner in the computer labs. Conversation, discussions, loud talking and sleeping are strictly prohibited. Silence must be maintained in the lab at all times.
- Eating and / or drinking inside the computer labs are strictly prohibited.
- Internet facility is only for educational/ study purpose.
- The lab must be kept clean and tidy at all times.
- Bags and hand bags must be kept in the designated racks. Users are responsible for their own personal belongings. The institute will not be responsible for lost or stolen items.

### **LIBRARY RULES**

- Library users must show their Identity cum library card at the security point. In case, the member does not possess his/her identity card, he/she is not permitted to enter the library.
- Personal belongings like bags, books, etc. are not allowed inside the library in any case.
- Identity cum library card is non-transferable. Use of other's library card is a punishable conduct. The borrower as well as authorized holder of the card may be punished for such an act.
- Library hours are 8:30 AM - 9:00 PM on working days and during examination period library hours are extended till 12:00 midnight. Books are issued from 8:45 AM to 3:45 PM only. Reservation of books is made between 8:45 AM to 3:30 PM only.
- Return of books after the due date will attract a fine of Rs.5/- per day per volume. The amount of fine would not exceed double the cost of the book.
- In case of late Issue of Book Bank Books Rs. 5/- is charged per day for delayed collection from scheduled date limited upto Rs. 50/-. List of defaulters is sent to respective HoD's after one week and submitted to Director after 10 days.
- Reference books are issued only under special circumstances with prior permission of Senior Librarian/Asst. Librarian between 3:15 PM to 3:45 PM for overnight. Deposition of the reference book should be made positively on the next day up to 10:00 AM, failing which a fine of Rs.20/- is charged for each day. The user who does not deposit the reference book in time is treated as defaulter and refrained from issue of reference book in future.
- Question Papers & Solutions and other library materials are issued for Xerox for an hour only; late submission attracts a fine of Rs.2/- per hour per document.
- Borrowers must check the condition of the book before borrowing; they are responsible for any damage or mutilation noticed at the time of return.

- Leaving circulation counter without ensuring that the book(s) have been returned is a punishable conduct. For doing so a fine of Rs. 50/- is charged even if book is traced later on.
- No book is renewed/re-issued on same day.
- If a book is already issued to a student, another copy of the same book cannot be issued to or reserved for him/her.
- The latest edition of book is only accepted in replacement of a lost/damaged book along with a fine of Rs.50/- as processing fee. If the book is not available in the market / publisher, double the cost of book is charged.
- Misplacing/marking/tearing of books is punishable offence. Any user caught for such offence would be fined Rs.1000/- and may even lead to withdrawal of library facility to him/her.
- If any student is caught stealing from the library, a fine of Rs. 2000/- is imposed on him/her in addition to suitable disciplinary action.
- Disciplinary action is taken against Library users found misbehaving with the library staff.
- The loss of Identity card/library membership card is to be informed immediately to the Senior Librarian.
- For duplicate Identity card (in case of lost card), the student has to make a written request to the Director General and has to deposit a fine of Rs.300/- for duplicate card. A fine of Rs.100/- is to be paid as the processing fee for the replacement of ragged/damaged PVC Identity card or taking Identity card very late.
- Timing for other library services has been fixed which are subjected to change in the interest of the library users.
- Library users must ensure that their activities do not disturb the fellow users.

## **DISCIPLINE AND CODE OF CONDUCT**

Discipline is given utmost importance at AKGEC and indiscipline of any sort is not tolerated. Students are expected to maintain discipline while in the college campus (classes, hostels and common facilities) as well as while outside the College. Cases of indiscipline are dealt with by the College Proctor and punishment granted.

Some common Dos and DONTs for code of conduct are as follow :

### **DOs**

1. Be regular in the classes.
2. Be present in the classroom at least five minutes before the commencement of the class for the first lecture. Return from water break/lunch break between the classes in time so as not to disturb the class.
3. Be decently and neatly dressed.
4. Come to the class prepared with relevant notebooks and stationary.

5. Pay compliments to faculty and seniors whenever coming across.
6. Participate in sports, cultural and social activities of the college enthusiastically.
7. Inculcate good moral values, ethics and positive attitude.
8. Follow normal social etiquettes while interacting with colleagues, friends and seniors.
9. Maintain good peer circle.
10. Make effort to communicate in English amongst your friends in order to improve communication skills.
11. Switch OFF lights/fans while leaving the classrooms/hostel rooms.
12. Ensure that water taps are not running when not in use.
13. Follow traffic rules. Carry your driving license, registration and other required documents while driving. Necessarily wear a helmet while driving/pillion riding a two wheeler vehicle. Cross the road carefully; do not use headphones; do not be in a hurry.
14. Report any abnormal/untoward incident to the college authorities immediately.
15. Exhibit good conduct within the college as well as in public places.
16. Make it a habit to read all important notices being placed for information to students.

### **DON'Ts**

1. Do not sit on stairs and pathways to block way for others.
2. Do not sit in out of bound areas declared by the Proctor.
3. Do not litter your surroundings and college premises.
4. Do not walk while eating/drinking.
5. Do not use your mobile phones in class rooms/laboratories, while walking and coming across faculty members.
6. Do not damage/mishandle college property.
7. Do not use abusive language, kicking, fisting or fighting on any pretext especially while celebrating birthdays.
8. Do not quarrel with fellow students on difference of opinion. If situation demands, report the matter.
9. Do not be seen in academic areas in barmudas/capries/shorts and/or chappals.
10. Do not indulge into foolish bets with fellow students for any destructive and negative activity.
11. Do not contact a tout/agent for seeking help for scholarships etc.
12. Do not get lured or try to lure others to be part of chain businesses like Easy Bee, Amway etc. while studying in the college.

### **DRESS CODE**

Student attire should befit the institute that they represent and reflect the status of the Institute. Students should ensure neat and clean as well as sober attire with proper foot wear. Boys should maintain proper haircut and shave regularly / maintain proper beard. On formal occasions such as seminars, presentations and representation outside the College, students are expected to be formally dressed. Students should ensure wearing the Identity Card while in the College or representing the College at other institutions.

## **HOSTEL RULES & REGULATIONS**

1. Students must necessarily read the notice board for various instructions on a daily basis.
2. Students are to strictly follow the Book In/Book Out timings and procedures as laid down by the hostel. The timings and procedures are different for different hostels and will be informed through notice by the Dean Hostels/Chief Warden for the respective hostels. Students are required to enter/exit the hostel or their rooms only through the defined entry/exit gate/door.
3. Attendance will be taken in hostels on a daily basis. Students must report for attendance in time. All students are required to report for attendance in person.
4. Students are to proceed on leave from hostel only after filling in the leave application form and submitting it to the Warden.
5. Hostel students are not permitted to bring or entertain any visitor (including college day scholar students) in their room/dining hall without written permission of Dean Hostels/Chief Warden. Strict disciplinary action will be taken against hostel student for violation of the rule. Students staying in the hostel are expected to immediately inform the Warden about presence of any outsider in the hostel.
6. Visitors of students are permitted to visit the hostel after making entry in the visitors' register kept with the guard. Entry of visitors is permitted only up to the visitors' room and during visiting hours notified on the Notice Board of each hostel. Only parents and local guardians (included in the local guardian form) will be permitted to visit the students beyond visiting hours, after permission from the Warden.
7. No guests of students are permitted to stay in the hostel or dine in the mess.
8. Rooms once allotted will not be changed without the written consent of Dean Hostels.
9. Students are not permitted to stay in the hostel during college hours without valid reason such as illness.
10. Students are required to sleep only in the rooms allotted to them. They may visit rooms of their colleagues for purpose of studies, discussions etc. However, this should not cause disturbance to other occupants of the room.
11. The students shall keep their rooms in a neat and tidy condition and shall be responsible individually and jointly for the furniture/fittings and items issued to them. No furniture item will be shifted from one room to another or from its specific position.
12. The rooms can be opened for inspection by the Warden and other authorities of the college at any time.
13. The hostel students are to make use of the facilities of the hostels without causing damage or defacing or disfiguring the same. Fine and other penalty will be imposed on the defaulters.
14. Students are themselves responsible for the safety of their belongings, valuables and money. The hostel or College authorities will not be responsible for loss of any money or belongings. Students are advised not to keep expensive items and surplus cash in the hostel. They are required to keep their almirahs locked as well as lock the rooms when not present.
15. No rewiring / additional wiring in the room is to be done. Putting of LAN wiring between rooms for the purpose of sharing of data /gaming is prohibited.

16. There should be no wastage of electricity and water, and under no circumstances will the rooms be left with lights and fans ON. Use of heaters and any other electrical appliances is not permitted. Coolers are permitted after paying the requisite fees. Defaulters will be imposed penalty.
17. Complaints – electrical, civil, plumbing, washing machines etc. must be registered in the appropriate complaint register maintained in the hostel.
18. It is the responsibility of the roommate(s) and/or any other student, who notices, to immediately report to the Warden any cases of sickness, abnormal behavior and violation of hostel regulations. Non-reporting of such events/activities will also constitute indiscipline.
19. Students are advised to keep with them the phone numbers of the Wardens for use in case of emergency. Further, they should respond to the phone in case the Warden calls up. Also any change in the phone number of the student, parent(s) or local guardian(s) should be immediately updated in the hostel records.
20. Smoking and consumption of drugs/alcohol is completely prohibited. Any use, if noticed by a student, should be brought to the notice of the Warden immediately.
21. Keeping, carrying, using or supplying of any fire arms lethal weapons, knife with blade of more than four inches length, is strictly prohibited.
22. Use of loud music systems is not permitted in the hostel rooms and common areas. However, use of music devices with earphones is permitted.
23. Any student gatherings for society meetings and organizing functions, parties etc. may be organized only after due permission from the Warden.
24. Students are advised not to participate in any demonstration/protest within or outside the hostel/college.
25. No late night parties are permitted in the hostel. Celebration of birthdays in a violent form such as kicking, fisting, abusing etc. is not permitted. Such activities will call for strict disciplinary action.
26. Students residing in the hostels are expected to participate in all academic and co-curricular activities on regular basis. In case of failure to meet the attendance norms in regular classes and/or co-curricular activities (CCP, PDP etc.) run by the College, the student may be asked to vacate the hostel.
27. All deliveries from online shopping marts must be collected in the presence of the guard at the hostel security post. The guard has the authority to check the contents in case of doubt.
28. Delivery of cooked food items by outside vendors is not permitted in the hostels.
29. Any pamphlet/poster that needs to be put on display in the hostel must be given to the Warden. Nothing should be pasted on the walls.
30. Students are advised to dress decently while visiting the mess or outside the hostel premises.
31. Students are not permitted to take mess utensils and food into the rooms. All students are required to dine only in the mess.

### **Additional for Girl Students:**

1. Girl students are required to get gate pass issued from the Warden for outing on holidays. Only those students whose parents have given consent for outing in the local guardian form will be permitted outings.
2. Girl students are required to seek permission from the College for joining coaching classes outside the College. Prescribed form for the permission is available with the Warden.

### **Important:**

1. Hostel rules and regulations are subject to change and/or new rules may be added.
2. Non adherence to hostel rules and regulations will attract severe disciplinary action including imposition of fine and expulsion from hostel/college.

## **TRAINING AND PLACEMENT**

The college has a full-fledged Training and Placement Department headed by a Professor. The highly competent team engages in interaction with corporate houses to explore the opportunities for training and job placement of students. Counseling is provided to groom students in order to meet the standards of the industry, not only in technical knowledge but also in interpersonal and communication skills. Interactive seminars on emerging technologies, personality development programs, career counseling and industrial visits are arranged to provide an excellent exposure to students.

The major recruiters are reputed companies like Infosys, Wipro, TCS, Adobe Systems, Capgemini, Cognizant, Samsung R&D Institute India, Robert Bosch, Ashok Leyland Limited, Astrea IT Services, Adani Gas, British Telecom, DLT Labs, Global Logic, Grindwell Norton Limited (Saint-Gobain Group), HCL Technologies Limited, Hitachi Consulting Software Services India Pvt Ltd, HSBC Software Development (India) Pvt. Ltd., Info Edge India Limited, Jaro Education, Jindal Udyog Ltd., Josh Technology, Lohia Corp Limited (Lohia Group), MAQ Software, Motherson Sumi Systems Limited, Nagarro, NEC Technologies India Pvt Ltd, Newgen Software, NIIT Technologies Limited, NTT Data Services, Optum (a United Health Group Company), Rathi Industries Ltd, Sopra Steria India, Torrent Power Limited, UAA Digital Media Pvt Ltd, Indian Navy, etc.

While the College makes all possible efforts to facilitate good employment opportunities, the placement of a student solely depends on his meeting the competence requirements of the concerned company/industry and is not in any way responsibility of the College.

## **CENTRES OF EXCELLENCE**

To strengthen our commitment for improving quality of education and to keep our students and faculty abreast with the latest technological advancements through close interaction with industry, the college has collaborated with various eminent multinational industries to establish Centres of Excellence in various domains. These centres not only provide industry relevant training to students but also promote applied research and industrial consultancy.

- Industrial Robotics Training Centre, the first of its kind in the country, established in collaboration with KUKA Robotics, providing internationally recognized and valid certification at basic, intermediate and advanced levels
- Centre of Competence in Automation Technologies, in collaboration with Bosch Rexroth AG, Germany, the first of its kind in North India, for training in industrial hydraulics, pneumatics, sensorics, drives and control, CNC, PLC and mechatronics
- Industrial Pneumatics Knowledge Centre set up jointly with Janatics India Pvt. Ltd., to promote projects and application development for low cost automation suited for SMEs
- LabVIEW Academy, established jointly with National Instruments, India under their Planet NI (Nurturing Innovation) framework for training in the field of Virtual Instrumentation and specialized training for CLAD and CLD Certifications
- PLM-Centre of Excellence set up jointly with SIEMENS Industry Software Ltd. equipped with advanced design software suites like Solid Edge, Femap, NX, Team Centre, Techno Matix etc.
- AIA-Competency Development Centre, under the Campus Connect Initiative of Automation Industry Association of India (AIA), for providing training in Integrated Automation across multiple engineering streams to students and practicing engineers from industry
- India's first Advance Welding Technology & Research Centre set up jointly with Fronius International GmbH, for conducting training, research and development in the field of welding science, engineering and automation technology
- Advanced Machining Centre, established jointly with Siemens and Ace Micromatic Group, with complete set up on Reverse Engineering to facilitate 3D Modelling
- Fab Lab, equipped with an array of flexible computer controlled tools that cover several different length scales and various materials, established as a product development centre and competency development centre across different disciplines including Mechanical, Electronics and Embedded Development areas
- Skill Development Centre in collaboration with National Skill Development Corporation (NSDC), Ministry of Skill Development & Entrepreneurship, Govt. of India under

AKGEC Skills Foundation, with world class state-of-the-art infrastructure and facilities to train young Engineers and Polytechnic and ITI candidates in the field of Conventional and Computer Aided Manufacturing, Robot Assisted Manufacturing, Robotic Manufacturing, Manual & Robotic Arc Welding, Non Destructive Testing (NDT) and high end Reverse Engineering processes.

- Industrial Robotics Training Centre, the first of its kind in the country, established in collaboration with KUKA Robotics, for imparting training in Robot Programming with internationally recognized and valid certification at basic, advance and expert levels
- Centre of Competence in Automation Technologies, in collaboration with Bosch Rexroth AG, Germany, the first of its kind in North India, for training in industrial hydraulics, pneumatics, sensorics, drives & control, CNC, PLC and mechatronics with internationally recognized certification at basic, intermediate and advance level in Industrial Automation
- Industrial Pneumatics Knowledge Centre set up jointly with Janatics India Pvt. Ltd., to provide a platform for engineering students to develop state of art applications, prototypes and proof of concept in the field of low cost automation suited for SMEs
- LabVIEW Academy, established jointly with National Instruments, India under their Planet NI (Nurturing Innovation) framework for training in the field of Virtual Instrumentation and specialized training for CLAD and CLD Certifications
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- Advanced Manufacturing Centre, established jointly with SIEMENS supported by Ace Micromatic Group, for imparting training on Advance Manufacturing Concepts, using CNC programming for Training, Milling & Grinding operations with CNC machining, with complete set up on Reverse Engineering to facilitate 3D Modelling
- Fab Lab @ AKGEC enables invention by providing access to tools for digital fabrication. It is available as a community resource, offering open access for individuals including students and industry professionals. The available facility and equipments such as 3D Printers, Laser Cutting, Engraving System, Profile Cutters, makes this facility unique and

one of its kind available to promote problem solving ability in young engineering graduates.

- Skill Development Centre in collaboration with National Skill Development Corporation (NSDC), Ministry of Skill Development & Entrepreneurship, Govt. of India to train 10<sup>th</sup>/12<sup>th</sup>, ITI and Diploma candidates in the domain of Industrial Automation, Robotics, Manufacturing and Fabrication as per the Industries requirements.
- Research and Industrial Consultancy Centre (RICC) facilitates collaborative development and consultancy projects and regular training sessions in AutoCAD, Pro-Engineer and CATIA V5 softwares
- IDEA Lab, the Technical Business Incubator at AKGEC, dedicated to recruit teams which are ready to innovate technology solutions for real life problems to be spinned off into a company and grow into a successful business
- Software Development Centre, equipped with state-of-the-art infrastructure and hardware/software tools, provides a highly conducive and stimulating environment for the young brains to explore and come out with innovative solutions using emerging technologies
- Big Data Centre of Excellence equipped with fully functional cluster of 12 data nodes and 1 name node, to provide training in big data analysis and research opportunities
- Open Source Software R&D Centre is exhaustively engaged in research, development, training and consultancy activities related to open source software
- The college has established a Blockchain Research Lab (BRL) in collaboration with DLT Labs, one of the global leaders in the development and integration of innovative enterprise solutions using distributed ledger technology. The Lab is providing training to college students through short courses and making them work on real time projects using Blockchain concepts.

### **BEYOND THE CURRICULUM**

Today's competitive challenges cannot be overcome with academic excellence alone. With this in view, AKGEC focuses on a holistic development of the students. This is achieved through numerous ventures in addition to academic programs.

- 100 hours mandatory Personality Development Program for B.Tech II year and MCA I year students

- Guest lectures delivered by eminent personnel from the industry with the aim to strengthen the knowledge base of students and make them competitive while they ready themselves to enter the professional world
- National and International Conferences to promote research and exposure to new technological developments among faculty and students
- Industrial visits to provide exposure and feel of the industry to students
- Infosys Infy TQProgram, an industry-academia partnership of Infosys, to groom industry ready professionals
- Mentorship program to facilitate problem solving to junior students by the senior students

### **TECHNICAL AND CULTURAL SOCIETIES & CLUBS**

The college emphasizes all round development of students and is conscious that learning is not confined to class rooms only. The college has a number of active cultural, literary and technical societies involved in multifarious activities all round the year.

The departmental technical societies provide a platform to the students where they can enhance their practical skills by conducting and participating in technical contests, paper presentations, seminars and a plethora of similar activities. The societies are managed by the students under assistance and guidance from faculty co-ordinators.

<b>Technical Society</b>	<b>Department</b>
Conatus	Computer Science and Engineering Information Technology
CSI Student Chapter	Information Technology
Phoenix	Electronics and Communication Engineering Electronics and Instrumentation Engineering
Samveg	Mechanical Engineering
ISTE Student Chapter	
SAE India Student Chapter	
Oorja	Electrical and Electronics Engineering
Nirmaan	Civil Engineering
Parivridhhi	Master of Computer Applications

In addition, the Departments have formed clubs in specialized fields with the aim to provide training to students and enhance their expertise in these areas.

<b>Department</b>	<b>Club</b>
Computer Science and Engineering	Programming Club
	Machine Learning Club
Information Technology	Cloud Computing Cell
	Big Data Centre of Excellence
Electronics and Communication Engineering	Radio Club
	Mobile Club
	Electronics Club
Electrical and Electronics Engineering	Signal Processing Club
	Instrumentation and Control Club
	Power Electronics and Drives Club
	Power Systems Club
Mechanical Engineering	Abhikalp
TIFAC CORE	Robotics Club
	Google Developer Club
	IIW Student Chapter
	SPEED

The cultural and literary societies encourage the students to showcase their talent through various events during college functions. A variety of cultural, technical and sports events are organized throughout the year.

**Footprints**, the literary and art society, organizes various competitions throughout the year: Anti-ragging Poster Making competition, Blood Donation Poster Making competition, Face Painting competition, T-shirt Painting competition and many more. The works of the brilliant artists are put up for display in the college exhibition arcade.

**Verve**, the fashion society of the College, coalesces the fashion world with the societal order through presentation of ideas on social issues, Indian cultures and on prevailing controversial issues. The preamble of the society speaks of style, flamboyance, panache and dedication.

**Horizon**, the society under the aegis of Department of Applied Sciences and Humanities, conducts activities that enable the students in developing soft skills like effective communication, leadership, team work and negotiations etc. Besides events like essay writing, debates and paper presentations, the society conducts two important events every year - KIRAN: Kaho India Ragging Aur Nahi and Disha, the Orientation Program for the first year students.

**Zest**, the society with primary focus on the enrichment of English language and soft skills targets mainly the first year students to strengthen their fundamental knowledge of grammar, improve vocabulary and instill the confidence to apply this knowledge practically. The objective is achieved through conduct of workshops, seminars and contests.

**Renaissance**, the ethical and social welfare society of the college, has been formed with the objective to inculcate good moral values, ethics, work culture and positive attitude among students. The society organizes workshops and seminars in pursuit of its objectives, as well as encourages students towards cleanliness and social responsibilities through competitions and events.

**Goonj**, the dramatics society of the college, is actively involved in organizing street plays, mimes, poetry events and theme based skits during various college functions. The society has actively participated in cultural fests in various colleges and won laurels for the college.

**Taal**, the Dance Society of the college, organizes various dance events and competitions in the college. The society has participated in various inter college events and won prizes for the outstanding performances.

**Euphony**, the college band, an amalgamation of talent on various instruments, has been star performer in the college activities. Besides various events, the society conducts musical classes for learners in the college during evening hours.

## **INSTITUTIONAL MEMBERSHIPS AND STUDENT CHAPTERS**

- Computer Society of India (CSI)
- Institution of Electronic and Telecommunication Engineers (IETE)
- Society of Automotive Engineers (SAE)
- American Society of Heating, Refrigerating and Air-conditioning Engineers (ASHRAE)
- Institution of Communication Engineers and Information Technologists (ICEIT)
- Indian Society for Technical Education (ISTE)
- Capital Goods Skill Council (CGSC)
- Automation Industry Association (AIA)
- Automotive Skill Development Council (ASDC)
- International Society of Automation (ISA)
- Fluid Power Society of India (FPSI)
- American Welding Society (AWS)
- Indian Institute of Welding (IIW)
- Instrumentation Automation Surveillance & Communication (IASC) Sector Skill Council
- Electronics Sector Skill Council of India (ESSCI)
- Ghaziabad Management Association (GMA)
- Indo German Chamber of Commerce(IGCC)
- India Electronics and Semiconductor Association (IESA)

## **AKGEC PUBLICATIONS**

AKGEC publishes the bi-annual International AKGEC Journal of Technology to provide a forum for publishing new findings on engineering and technology. The journal publishes blind peer reviewed research papers related to engineering streams and allied disciplines. The journal is available for the readers online as well as in print. The journal has eminent professors, researchers and corporate executives on its honorary editorial board.

Additionally, in harmony with the College ideology of research orientation of faculty and students, each department publishes its own departmental journal with articles contributed by faculty and students. The bi-annual journals are managed by the departmental editorial boards under the able guidance of the Heads of Departments.

## **ALUMNI RELATIONS**

The best measure of the success of an educational institution is the success of its alumni. AKGEC has a highly networked strong community of over 6500 alumni who are enjoying distinguished status in various places in India and across the globe. An alumni meet, organized every year, is marked with the sharing of success stories, experiences and memories amidst a myriad of cultural events.

## **EXTRA AND CO-CURRICULAR ACTIVITIES**

Students are motivated to participate in the extra and co-curricular activities. The departmental societies provide a platform to the students where they can enhance their practical skills by conducting and participating in technical contests, paper presentations, seminars and a plethora of similar activities. The cultural and literary societies encourage the students to showcase their talent through various events during college functions. A variety of cultural, technical and sports events are organized throughout the year.

- Induction / Orientation program for new entrants
- Freshers' Party
- Ajay Kumar Garg Memorial Table Tennis Tournament in association with Ghaziabad District Table Tennis Association
- Annual inter department sports meet
- SCROLLS, an annual paper presentation event, in association with Ghaziabad Management Association (GMA)
- Farewell Party
- Festivals and days of national importance

The students are encouraged to participate in the annual sports, cultural and technical fests organized by AKTU at zonal and state levels. AKGEC students have won laurels at various events organized by eminent institutes and organizations.

Over the years the college has succeeded in its endeavour to make the college a ragging free campus. To create awareness among the senior students and to prevent ragging, the college conducts an extensive anti ragging drive at the beginning of each academic year. This includes anti ragging awareness program, anti ragging kite flying event and poster and essay writing competitions on the theme of anti ragging.

## **SOCIAL RESPONSIBILITY**

AKGEC not only discerns its responsibilities towards building the future of the country but comprehends its social accountability also. It believes in bringing about a transformation in the students through observation and participation. Some important initiatives undertaken are:

Annual Blood Donation Camp
Fund Raising Week under Communal Harmony Campaign initiative of the National Foundation for Communal Harmony (NFCH)
Primary school Adarsh Vikas Kendra for the children of construction labor employed in the college
Adoption of Corporation School at Kazipura for provision of needs including swings, slides, sitting mats and other basic amenities
Tuition fee subsidy to children of class IV employees
Donation of computers to schools

## **HIGHLIGHTS**

<b>MILESTONES</b>
<ul style="list-style-type: none"> <li>• Recipient of Academic Excellence Trophy for "Best Engineering College in UPTU" for two successive years from H.E., The Governor of U.P.</li> </ul>
<ul style="list-style-type: none"> <li>• The only Institution in U.P. to have received approval from DST, Govt. of India, for establishment of Centre of Relevance and Excellence (CORE) in the field of Industrial Automation &amp; Robotics</li> </ul>
<ul style="list-style-type: none"> <li>• Skill Development Centre established in partnership with National Skill Development Corporation (NSDC)</li> </ul>
<ul style="list-style-type: none"> <li>• Best LabVIEW Academy in India Award 2016 by National Instruments</li> </ul>
<ul style="list-style-type: none"> <li>• Best Technology Infrastructure of the Year Award 2018 by All India Council for Robotics and Automation</li> </ul>
<ul style="list-style-type: none"> <li>• Best Vocational Robotics Education Award 2018 by All India Council for Robotics and Automation</li> </ul>
<ul style="list-style-type: none"> <li>• STEM Award 2020 for 'BEST ROBOLAB SETUP' and 'INDIA STEM COLLEGE AWARD 2020' by All India Council for Robotics and Automation (AICRA)</li> </ul>
<ul style="list-style-type: none"> <li>• STEM Award-2019 for EXCELLENCE AND INNOVATION IN ROBOTICS EDUCATION by All India Council for Robotics &amp; Automation (AICRA) India</li> </ul>
<ul style="list-style-type: none"> <li>• BEST TECHNOLOGY INFRASTRUCTURE OF THE YEAR AWARD 2018 and BEST VOCATIONAL ROBOTICS EDUCATION AWARD 2018 by All India Council for Robotics &amp; Automation (AICRA) and Ministry of Science &amp; Technology, Govt. of India</li> </ul>

<ul style="list-style-type: none"> <li>• Best Industry Institute Award by NEWTON BHABHA-Industry Academia Partnership Project of the Royal Academy of Engineering, UK, at NAFEMS International Conference-2018, Bangalore</li> </ul>
<ul style="list-style-type: none"> <li>• Training on advanced technologies for officials of Modern Coach Factory, Indian Railways at Rae Bareli and Indigo Airlines Maintenance Team by AKGEC Centres of Excellence</li> </ul>
<ul style="list-style-type: none"> <li>• Trainings on Industrial Automation for Railway Officials in collaboration with IRIMEE (Indian Railways Institute of Mechanical and Electrical Engineers) at Jamalpur, Bihar</li> </ul>
<p><b>INNOVATIVE PROJECTS BY STUDENTS</b></p>
<ul style="list-style-type: none"> <li>• Student Project "Automated Inventory Management System" declared Winner of Mitsubishi Electric Gold Cup 2017</li> </ul>
<ul style="list-style-type: none"> <li>• Student Project "Win Switch" awarded amongst best three projects by "US-India Startup Forum" along with other two projects from alumni of IIT Kanpur &amp; IIM Ahmedabad</li> </ul>
<ul style="list-style-type: none"> <li>• Best Student Project Award by Fluid Power Society of India at IISc, Bangalore</li> </ul>
<ul style="list-style-type: none"> <li>• Winner of Inspiration Award in Smart India Hackathon organized by Ministry of HRD &amp; AICTE</li> </ul>
<ul style="list-style-type: none"> <li>• 'Smart Agricultural Support System' won 2<sup>nd</sup> prize in National Design Contest NI YANTRA</li> </ul>
<ul style="list-style-type: none"> <li>• Team of 5 students won 'Advance Robotic Challenge' at World Robot Olympiad-2018, India's largest robotics competition organized by India STEM Foundation</li> </ul>
<ul style="list-style-type: none"> <li>• Robotics Club won third prize in "Automation Hackathon @ Technoxian-World Robotics Championship-2019" organized in association with AICRA &amp; Digital India</li> </ul>
<ul style="list-style-type: none"> <li>• Team of final year students won first prize at Students' Engineering Model Competition under Swachha Bharat Theme at IISF 2019</li> </ul>
<p><b>UNMATCHED AND UNBEATABLE RECORDS BY STUDENTS</b></p>
<ul style="list-style-type: none"> <li>• 16 students in the Branch wise Merit Lists of AKTU with the highest tally of 2 Gold and 2 Silver Medals in 2019</li> </ul>
<ul style="list-style-type: none"> <li>• Deeksha Singh of CSE branch received the CHANCELLOR'S MEDAL for getting highest marks in all branches of the B.Tech courses offered by the University. Chancellor's Award has been bagged by AKGEC students for all four years since its inception in 2016</li> </ul>
<ul style="list-style-type: none"> <li>• 98% B.Tech and 96% MCA students graduated with 1<sup>st</sup> Division and Distinction in 2019</li> </ul>
<ul style="list-style-type: none"> <li>• Excellent performance in GATE with Suyash Omar and Abhishek securing 72 and 90 All India Rank respectively</li> </ul>
<ul style="list-style-type: none"> <li>• Excellent performance in CAT with Aniket Agarwal and Atisha Singh securing 99.18 and 99.05 percentile respectively</li> </ul>
<ul style="list-style-type: none"> <li>• Students selected in IITs, IISc Bangalore, NITs, IIMs, IMT, XLRI and many other eminent institutions</li> </ul>
<ul style="list-style-type: none"> <li>• More than 600 placements in good companies like Infosys, HCL, Torrent Power, MAQ Software, Tech Mahindra, IBM India, HP India, Ericsson, BSNL, BPCL, NI System, NIIT and many more</li> </ul>
<ul style="list-style-type: none"> <li>• 211 students of AKGEC amongst 1900 CLAD certified and 18 students amongst 241 CLD certified professionals in the whole country</li> </ul>
<ul style="list-style-type: none"> <li>• Five students awarded as "University Innovation Fellows" by H.P. Institute of Design, Stanford University, USA</li> </ul>

## **IMPORTANT FUNCTIONARIES OF THE COLLEGE**

<b>DESIGNATION</b>	<b>NAME</b>	<b>CONTACT NO.</b>
Director General	Dr. R.K. Agarwal	9313321455, 8744052895
HoD (ECE), HoD( T&P), Dean Special Projects	Prof. P.K. Chopra	9350023027
Dean I Year & Proctor	Prof. S.L. Kapoor	9312072348
Dean Examinations, Dean Hostels	Prof. I.P. Sharma	9650370337
Dean Students Welfare, Coordinator M.Tech	Prof. V.K. Parashar	9313102291
HoD (Civil)	Prof. Rakesh Srivastava	9599670207
HoD (EN)	Prof. Bhupal Singh	9871203661
HoD (IT)	Prof. Anu Chaudhary	8527976204
HoD (CSE)	Prof. Sunita Yadav	9873587500
HoD (ME)	Prof. Devendra Singh	9540609660
Head, TIFAC-CORE	Prof. Ashiv Shah	9891984680
Head - Research & Industrial Consultancy Centre	Mr. Pradeep Jain	9810355681
Dean Administration & Dean Library Resources	Air CMDE P.Singh, VSM (Retd.)	9717470925
Chief Warden (Girls Hostel)	Dr. Mamta Bhusry	9999275330
Registrar	Mr. Asheesh Kumar Singh	9312076324
Chief Accounts Officer	Mr. T.S. Khatri	9268798660
Chief Administrative Officer	Mr. Satender Singh	9911220320
Chief Procurement Officer	Mr. Vishal Goel	8178232879
Senior Librarian	Dr. Shiv Shanker Srivastava	9818590621

Public Relations Officer	Mr. Mukesh Sharma	9312082520
Staff Officer to Director General and Manager HR	Ms. Neelam Chhibber	8744052895