



**AJAY KUMAR GARG ENGINEERING COLLEGE  
GHAZIABAD**

**INFORMATION BOOKLET  
FOR  
ACADEMIC YEAR 2018-19**

---

**NAAC Accredited**

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

## **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.

## **CONTENTS**

ABOUT THE COLLEGE	1
THE DIRECTOR	2
BOARD OF GOVERNORS	3
GOVERNING COUNCIL	3
INFRASTRUCTURE	4
ACADEMIC PROGRAMS	6
ADMISSION PROCEDURE	7
FEE REFUND NORMS	8
ACADEMIC PROCESSES	9
INDUCTION/ORIENTATION PROGRAM	12
FACULTY AND STUDENT MENTORS	12
ANTI-RAGGING SQUAD	12
DOS AND DON'TS FOR GOOD CONDUCT	14
HOSTEL RULES & REGULATIONS	15
TRAINING AND PLACEMENT	17
CENTRES OF EXCELLENCE	17
BEYOND THE CURRICULUM	19
TECHNICAL AND CULTURAL SOCIETIES	19
INSTITUTIONAL MEMBERSHIPS AND STUDENT CHAPTERS	21
AKGEC PUBLICATIONS	21
ALUMNI RELATIONS	21
EXTRA AND CO-CURRICULAR ACTIVITIES	22
SOCIAL RESPONSIBILITY	22
HIGHLIGHTS	23
IMPORTANT FUNCTIONARIES OF THE COLLEGE	24

## **ABOUT THE COLLEGE**

Ajay Kumar Garg Engineering College, an ISO 9001-2008 certified 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 seven disciplines. At the post graduate level, the college offers M.Tech courses in five 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. It 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.

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**

AKGEC is firmly set to transform into one of the leading technical institutions under the brilliant leadership and competent direction of its Director, Dr. R.K. Agarwal, B.Tech from IIT Kanpur, M.S. from CIT, Cranfield, UK and PhD 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, he 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, Centre for Integrated Automation, Advance Welding Technology & Research Centre, Advance Machining Centre and Skill Development Centre.

Dr. Agarwal 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. Involvement in these activities makes the students conscious of their civic and social responsibilities. 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.

## **BOARD OF GOVERNORS**

<b>S. No.</b>	<b>Name</b>	<b>Designation</b>
1	Sh. Ashok Pal	Chairman
2	Sh. D. P. Garg	Vice Chairman
3	Sh. Rakesh Garg	Secretary
4	Sh. A.N. Gupta	Joint Secretary
5	Sh. Vinay Garg	Treasurer
6	Sh. S.K. Gupta	Member
7	Dr. R.B.L. Goswami	Member
8	Prof. S.K. Kak	Member
9	Sh. I.C. Agarwal	Member
10	AICTE Nominee	Member
11	AKTU Nominee	Member
12	Dr. P.K. Chopra	Member
13	Dr. Sunita Yadav	Member
14	U.P. State Nominee	
15	Dr. R.K. Agarwal	Director & Convener

## **GOVERNING COUNCIL**

<b>S. No.</b>	<b>Name</b>	<b>Designation</b>
1	Sh. Ashok Pal	Chairman
2	Dr. R.B.L. Goswami	Member
3	Sh. Rakesh Garg	Member
4	Sh. S.K. Gupta	Member
5	Sh. Vinay Garg	Member
6	Dr. R.K. Agarwal	Director & Convener

## **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 College has a fully automated central library with a collection of about 92,000 text and reference books. Book Bank facility is extended to all students of the college. E-journals including IEEE Xplore, ASME, Science Direct, Springer and J-Gate can be accessed in the digital library equipped with computer systems and multimedia facility. The library also subscribes to national/international journals, periodicals and newspapers and maintains a vast collection of CD ROMs. Inter library loan is facilitated through DELNET membership. The library is also a member of British Council Library. The library is open for the students up to 9 p.m. in regular semester and up to midnight during examination period.

In addition to the central library, the departments maintain their own departmental libraries. Hostel libraries, managed by the students, maintain magazines, novels and motivational reading material.

### **Laboratories**

The departmental laboratories are well equipped with the latest equipment as per the requirements of the curriculum. 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 1580 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 50 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	120
Electrical & Electronics Engineering	120
Civil Engineering	120
Electronics and Instrumentation Engineering	60
<b><u>Master of Technology (M.Tech)</u></b>	
<b>2 year full time post graduate course</b>	
Computer Science & Engineering	18
Automation & Robotics	18
Electronics & Communication Engineering	18
Electrical and Electronics Engineering	18
Mechanical Engineering	18
<b><u>Master of Computer Applications (MCA)</u></b>	
MCA (3 year full time post graduate course)	60
MCA II Year (2 year full time post graduate course)	60

## **ADMISSION PROCEDURE**

### **B.Tech and MCA Programs**

#### **Admissions through UPSEE Counseling:**

Admissions to I & II Yr. B.Tech. and MCA are done through Combined State Entrance Exam (UPSEE) conducted by Dr. A.P.J. Abdul Kalam Technical University (AKTU), Lucknow.

- The minimum qualification for B.Tech (Engg.) is Intermediate (10+2) or equivalent with Physics, Chemistry and Mathematics
- The minimum qualification for II year B.Tech (Lateral Entry) is three-year Engineering Diploma in any branch of engineering (except Agriculture Engg., Pharmacy and Architecture)
- The minimum qualification for MCA is graduation (10+2+3) from any recognized Indian University with Mathematics as one of the subjects at Intermediate level or at graduation level
- The minimum qualification for II year MCA is BCA or B.Sc - IT/ Computer Science from any recognized Indian University with Mathematics as one of the subjects at Intermediate level or at graduation level

Criteria pertaining to minimum percentage of marks, reservation, domicile requirements etc. are available in UPSEE Information Brochure.

#### **Direct Admissions at College Level:**

Direct admissions at College level under NRI/Management Quota and lapsed seats shall be done in the following preference order in accordance with procedure and eligibility criterion as stated in Information Brochure UPSEE-2018:

- (i) By the qualified candidates of JEE (Main) – 2018.
- (ii) By the qualified candidates of UPSEE – 2018.
- (iii) By the merit of candidates based on marks obtained in qualifying examination as laid down by All India Council of Technical Education, New Delhi for admission to various programs.

All students desirous of admission directly at College level shall be required to fulfill the eligibility criterion. Students fulfilling the eligibility criteria may collect the Application forms, free of cost, from the College main gate. Forms can also be downloaded from College website [www.akgec.in](http://www.akgec.in).

However, the candidate shall be required to apply also on a portal to be opened by the University for the purpose at an appropriate time.

**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**

**Automation & Robotics:** B.E./B.Tech in Mechanical Engineering, Electrical Engineering, Electronics & Communication Engineering or Computer Science Engineering or equivalent.

**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 and seat being filled by the College	Entire fee after deduction of Rs. 1000/-
b.	Request received after start of session, subject to seat being filled by the College	Entire fee after deduction of tuition fee on pro rata basis
c.	Request received before or after start of session and seat not being filled by the College	Caution money only

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

## **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 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**

Every student is required to complete registration formalities at the beginning of each semester (Odd & Even). Students are expected to strictly adhere to the registration dates and processes, failing which, strict disciplinary actions may be initiated against them by the College.

### **Attendance**

Every student is required to attend all the lectures, tutorials, practical classes and other prescribed curricular and co-curricular activities. The attendance in classes and labs may be condoned up to 25% on medical grounds or for other genuine reasons beyond the control of student. A further relaxation of attendance upto 15% for a student can be given by Head of the Institution/College provided that he/she has been absent with prior permission of the Head of the Institution/College for the reasons acceptable to him. No student will be allowed to appear in internal and end semester examination if he/she does not satisfy the overall average attendance requirements.

### **Examination**

During any semester, the students shall be appearing in internal and external examinations. The internal examinations include Class Test-I, Class Test-II, 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. 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.

### **Award of General Proficiency (G.P.) Marks**

Marks in General Proficiency (G.P.) for students are awarded rationally and systematically in accordance with the guidelines specified by AKTU. The award of marks is based on the student's academic performance, attendance in classes, participation in extra/co-curricular activities and conduct. Indiscipline draws penalization in form of deduction from teacher's assessment and G.P. marks, based on the severity of indiscipline.

## 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/-

<b>MCA</b>		
<b>POSITION AT UNIVERSITY LEVEL</b>		
1 <sup>st</sup> Position Holder		Rs. 30000/-
2 <sup>nd</sup> Position Holder		Rs. 25000/-
3 <sup>rd</sup> Position Holder		Rs. 20000/-
4 <sup>th</sup> to 10 <sup>th</sup> Position Holder		Rs. 15000/-
<b>POSITION AT COLLEGE LEVEL (Batch / Year-wise)</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**

As approved by AICTE and AKTU, 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 for all first year students (only for hostellers).
- b) Regular 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 such as Anti Drug, Time Management etc.
- d) Creative Art Sessions to be conducted by senior students of all social, cultural and technical societies. Students are motivated to pick up at least one hobby from a choice of singing, dramatics and dance etc. This also acts as an ice-breaking session between seniors and freshers.
- 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 various important facilities of the college such as Skill Development Centre, Industrial Centres of Excellence, Idea Lab 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.

## **FACULTY AND STUDENT MENTORS**

Faculty and students mentors are assigned for all first year students from respective departments at a scale of one student mentor from III year for every 10 freshers. One Faculty Mentor is also nominated for a group of 20 students. Student mentors work under supervision of faculty mentors.

## **ANTI RAGGING COMMITTEE & ANTI RAGGING SQUAD**

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.

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. B.K. Sharma	Dean Hostels	9711004358
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.

## **DOs AND DON'Ts FOR GOOD CONDUCT**

### **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.

## **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) may 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 shall 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 deduction of G.P. marks, 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 Aon Hewitt, Ashok Leyland, Continental Automotive Components (India) Pvt Ltd, Directi Internet Solutions, Ericsson, Grapecity India Pvt. Ltd., Grappus Software, Grindwell Norton Ltd (Saint-Gobain), HCL Technologies, Hero Motocorp Ltd, Hewlett Packard Enterprises India, HSBC Software Development (India) Pvt. Ltd., IBM India, Indiamart, Infosys, Jamna Auto Industries Ltd, Kwench Global Technologies, Lava International, Leeway Hertz, Libsys Limited, Lohia Group, Luminous Power Technologies, MAQ Software, M Tree Software Pvt Ltd, National Instruments Systems (India) Private Ltd., NEC Technologies, Newgen Software, NIIT Technologies, NTT Data, Nucleus Software, Philips Innovation, QA Infotech, Robert Bosch, Samsung R & D Institute India, Sopra Steria India, STJ Electronics Pvt. Ltd., TCS, Tech Mahindra, Tolexo, Torrent Power Ltd, Indian Army, 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.
- Research and Industrial Consultancy Centre (RICC) facilitates collaborative development and consultancy projects and regular training sessions for students 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

## **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 in association with ADVAIT-LIFE EDUCATION, an organization run by IIT and IIM alumni in collaboration with academicians from leading Business Schools of India
- 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 Campus Connect Program, 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**

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
Phoenix	Electronics and Communication Engineering
Samveg	Mechanical Engineering
Oorja	Electrical and Electronics Engineering
Nirmaan	Civil Engineering
Parivridhhi	Master of Computer Applications

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 within and outside 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**

- Institute of Electrical and Electronic Engineers (IEEE)
- 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)
- National Small Industries Corporation (NSIC)
- 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)

## **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.

- Orientation program for new entrants by the senior students to induct them into life at AKGEC
- Freshers' Party
- All India 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 an awareness program named *Chetna*, 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 organized in association with the Rotary Club
Skill Development Program under the Pradhan Mantri Kaushal Vikas Yojana
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**

### **MILESTONES**

- Recipient of Academic Excellence Trophy for "Best Engineering College in UPTU" for two successive years from H.E., The Governor of U.P.
- 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 & Robotics
- Skill Development Centre established in partnership with National Skill Development Corporation (NSDC)
- Best LabVIEW Academy in India Award 2016 by National Instruments
- Best Technology Infrastructure of the Year Award 2018 by All India Council for Robotics and Automation
- Best Vocational Robotics Education Award 2018 by All India Council for Robotics and Automation

### **INNOVATIVE PROJECTS BY STUDENTS**

- Student Project "Automated Inventory Management System" declared Winner of Mitsubishi Electric Gold Cup 2017
- Student Project "Win Switch" awarded amongst best three projects by "US-India Startup Forum" along with other two projects from alumni of IIT Kanpur & IIM Ahmedabad
- Best Student Project Award by Fluid Power Society of India at IISc, Bangalore
- Winner of Inspiration Award in Smart India Hackathon organized by Ministry of HRD & AICTE
- Five students awarded as "University Innovation Fellows" by H.P. Institute of Design, Stanford University, USA

### **UNMATCHED AND UNBEATABLE RECORDS BY STUDENTS**

- 14 students in the Branch wise Merit Lists of AKTU with the highest tally of 2 Gold, 1 Silver and 3 Bronze Medals in 2017
- Saurabh Verma of ECE branch received the CHANCELLOR'S MEDAL for getting highest marks in all branches of the B.Tech courses offered by the University
- 97% B.Tech and 97% MCA students graduated with 1<sup>st</sup> Division/Distinction
- Excellent performance in GATE with Shivam Gupta securing 19<sup>th</sup> All India Rank
- Excellent performance in CAT with Kumar Abhishek of CSE branch securing 97.63 percentile
- Students selected in IITs, IISc Bangalore, NITs, IIMs, IMT, XLRI and many other eminent institutions
- 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
- 211 students of AKGEC amongst 1900 CLAD certified and 18 students amongst 241 CLD certified professionals in the whole country

## **IMPORTANT FUNCTIONARIES OF THE COLLEGE**

Director	Dr. R.K.Agarwal
HoD (ECE), HoD( T&P), Dean Special Projects	Prof. P.K. Chopra
HoD (MCA), Dean I Year & Proctor	Prof. S.L. Kapoor
HoD (ME) & Dean Examinations	Prof. I.P. Sharma
HoD (Civil)	Prof. B. B. Prasad
HoD (EN)	Prof. Bhupal Singh
HoD (IT)	Prof. Anu Chaudhary
HoD (CSE)	Prof. Sunita Yadav
Head, TIFAC-CORE	Prof. Ashiv Shah
Coordinator M.Tech & Dean Students Welfare	Prof. V.K. Parashar
Dean R&D	Prof. K. Kamal
Head - Research & Industrial Consultancy Centre	Mr. Pradeep Jain
Dean Administration & Dean Library Resources	Air CMDE P.Singh, VSM (Retd.)
Dean Hostels	Prof. B.K. Sharma
Chief Warden (Girls Hostel)	Dr. Mamta Bhusry
Registrar	Mr. Asheesh Kumar Singh
Chief Accounts Officer	Mr. T.S. Khatri
Chief Administrative Officer	Mr. Satender Singh
Chief Procurement Officer	Mr. Sanjay Behari Lal
Senior Librarian	Dr. Shiv Shanker Srivastava
Public Relations Officer	Mr. Mukesh Sharma
Staff Officer to Director and Manager HR	Ms. Neelam Chhibber