YEARLY STATUS REPORT - 2021-2022

Part A	
Data of the Institution	
1.Name of the Institution	AJAY KUMAR GARG ENGINEERING COLLEGE
• Name of the Head of the institution	Dr P K Chopra
• Designation	Director
• Does the institution function from its own campus?	Yes
• Phone no./Alternate phone no.	8744052894
• Mobile no	9350023027
• Registered e-mail	deansp@akgec.ac.in
• Alternate e-mail	choprapk@akgec.ac.in
• Address	Ajay Kumar Garg Engineering College, 27th Km Milestone, Delhi- Meerut Expressway (NE3), NH-9, Adhyatmik Nagar (Opposite Ryan International School)
• City/Town	Ghaziabad
• State/UT	Uttar Pradesh
• Pin Code	201009
2.Institutional status	
• Affiliated /Constituent	Affiliated
• Type of Institution	Co-education

• Location	**Urban**
• Financial Status	**Self-financing**
• Name of the Affiliating University	**Dr APJ Abdul Kalam Technical University, Lucknow, Uttar Pradesh**
• Name of the IQAC Coordinator	**Dr P K Chopra**
• Phone No.	**8744052894**
• Alternate phone No.	**8744052891**
• Mobile	**9350023027**
• IQAC e-mail address	**deansp@akgec.ac.in**
• Alternate Email address	**choprapk@akgec.ac.in**
3.Website address (Web link of the AQAR (Previous Academic Year)	https://www.akgec.ac.in/wp-content/uploads/2022/10/2020-21-AQAR.pdf
4.Whether Academic Calendar prepared during the year?	**Yes**
• if yes, whether it is uploaded in the Institutional website Web link:	https://www.akgec.ac.in/academics/academic-calendar/

5.Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	**B**	**2.79**	**2015**	**03/03/2015**	**02/03/2020**

6.Date of Establishment of IQAC	**10/10/2014**

7.Provide the list of funds by Central / State Government UGC/CSIR/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.,

Institutional/Department /Faculty	Scheme	Funding Agency	Year of award with duration	Amount
NA	**NA**	**NA**	**0**	**0**

8.Whether composition of IQAC as per latest NAAC guidelines	No	
• Upload latest notification of formation of IQAC	No File Uploaded	
9.No. of IQAC meetings held during the year	2	
• Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website?	Yes	
• If No, please upload the minutes of the meeting(s) and Action Taken Report	No File Uploaded	
10.Whether IQAC received funding from any of the funding agency to support its activities during the year?	No	
• If yes, mention the amount		

11.Significant contributions made by IQAC during the current year (maximum five bullets)

As per the discussion/ suggestions of IQAC meeting, following contributions were made: 1. Senior faculty members of every departments monitored/checked the offline classes in both semesters to ensure the good quality teaching and feedback was provided to respective HoDs. 2. Video lectures of each subjects were prepared at AKGEC Skill Studio. Live lectures on difficult were organized for exam preparation of students. 3. New smart boards were installed in Mechanical and CS/IT block to enhance the ICT facilities in the college. 4. All department organized in house summer internship for B. Tech I, II and III year on cutting edge technology. 5. Audit of teaching learning process were organized for all the departments and record was submitted to IQAC.

12.Plan of action chalked out by the IQAC in the beginning of the Academic year towards Quality Enhancement and the outcome achieved by the end of the Academic year

Plan of Action	Achievements/Outcomes
Monitoring of offline classes.	Effective and improved teaching in classes.
E-content developement	Students benefitted by live online sessions for exam preparations.
New smart boards introduced in mechanical and CS/IT blocks	Enhancements in ICT facilities
Audit of teaching learning process	Uniform and systematic format of course files and lecture delivery notes.

13.Whether the AQAR was placed before statutory body?	No

- Name of the statutory body

Name	Date of meeting(s)
Nil	Nil

14.Whether institutional data submitted to AISHE

Year	Date of Submission
2022	08/04/2022

15.Multidisciplinary / interdisciplinary

AKGEC offers B.Tech programs in twelve disciplines. At the postgraduate level, the college offers one MCA course and M.Tech courses in four engineering disciplines. Institute has also started one B. Tech course in CS in regional language i.e. Hindi in order to transform itself into an integrated multidisciplinary institution. Over last few years we have started courses in emerging areas.

The balance in the science, humanities and engineering courses is maintained through elective courses as per curriculum designed by the affiliating University. Students have the option to select from the list of nine elective subjects which is mixture of humanities and science in B.Tech. third and Final Year.

College offers 4 Value based credit courses. These courses are

exhaustively designed to inculcate social, human and environmental values in the students to drive the holistic and multidisciplinary education theme of NEP.

AKGEC is an affiliated college and can only offer courses as per the syllabus of University. However, branch change facility is available after first year. Based on merit after first year, students can opt for branch change.

The faculty members publish research papers in reputed national/international journals which cover not only technical/scientific topics but also social issues. Also, college is planning to start more courses in emerging/multidisciplinary areas.

Institute has started new courses in emerging areas like e.g. Artificial Intelligence, Machine Learning, Data Science etc. as per following details for academic year 2021-22:

B. Tech CSE (AI&ML): 90 seats

B. Tech CSE (DS): 60 seats

B. Tech AI&ML: 60 seats

B. Tech CSE (HINDI): 60 seats

16.Academic bank of credits (ABC):

AKGEC is affiliated college to Dr. A.P.J. Abdul Kalam Technical University (AKTU), Lucknow. Our University has not registered for ABC till date.

The University has not registered for ABC and hence credit transfer with other institutions /universities is not possible for AKGEC.

AKGEC being an affiliated institute cannot design its curriculum. Institution can give its suggestions/feedback to University Board of Studies (BoS) for various disciplines.

Being an affiliated institution, AKGEC has not registered for ABC.

17.Skill development:

Ajay Kumar Garg Engineering College (AKGEC) Ghaziabad is also imparting training to UG/PG students on emerging technologies along with technical education. Students of various disciplines are interested in learning the emerging techniques like Artificial

Intelligence, Machine Learning, Big Data, Cloud Computing, IoT, Embedded System & Robotics etc through summer / industrial internships.

AKGEC also offers skill oriented certificate courses through our well established Centre of Excellence, R & D Centres and Skill Development labs. Students are being trained in the field of LabVIEW design, Fabrication, Automation and Design & Manufacturing etc. through these centres. Various skill development programmes for village students have been organized by institute under National Skill development mission scheme.

Students of our institute are also given experience of hands-on training by exposing them to experiential learning / practical oriented subjects as well as through short term training programs and Industrial Visits. Students also get the opportunity of improving their practical and technical skills through the major projects which they make as a team in their final year.

18.Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course)

As the Indian Knowledge System ensures the well planned transfer of knowledge from ancient India to modern India which gives a clear sense for India's future aspiration in the context of technical education, health and environment.

We at AKGEC are already teaching subjects concerned with Human Values, Traditions, Culture and Constitution of India. Indian Knowledge System is also being ensured in AKGEC through conduct of various technical as well as extracurricular events through various Clubs, Departmental Societies and Extracurricular Activity Teams. Ajay Kumar Garg Engineering College is in the process of starting certificate courses for subjects which are related to Indian knowledge systems both in offline and online mode. We also have a plan of providing technical education and knowledge of Indian Systems in Hindi / Indian language as per the guidelines / requirements of NEP-2020.

19.Focus on Outcome based education (OBE):Focus on Outcome based education (OBE):

Being an affiliated institute, all AICTE approved Programmes follow the curriculum prescribed by the affiliating university APJ Abdul Kalam Technical University (AKTU), Lucknow. However, various departments of AKGEC are directly involved in the University level Board of Studies (BoS). The course outcomes of ECE related course which appear along the course curriculum in the AKTU Syllabus are

designed by the ECE department of AKGEC. Moreover, all departments share their feedback on their respective curriculum with AKTU time to time. A number of important curriculum amendments made in the AKTU curriculum are affected by the suggestions and feedback shared by AKGEC. Besides this, all departments of AKGEC have strengthened their respective curriculums in line with OBE by including minimum 5 additional theory topics and two additional lab experiments in the course curriculums.

All faculty and staff of AKGEC are made aware of the OBE guidelines and the related academic practices through dedicated in-house workshops, seminars and encouraging faculty members to enroll in OBE related NPTEL courses. Every department conducts at least one OBE seminar in a session to keep all faculty updated of the OBE advancements. In recent times, all departments have prepared a Course Correlation Chart which show the correlation of all courses with each other and their relevance to POs and PSOs.

NEP 2020 recommends all offered courses to be accredited by NBA. All eligible undergraduate programs of AKGEC (B.Tech. ECE, B.Tech. CSE, B.Tech. EN, B.Tech. IT and B.Tech. ME) are already accredited by NBA. The remaining undergraduate programs will be applying for NBA accreditation once their two batches have passed. Amongst the postgraduate programs the M. Tech. admission status is not fulfilling the minimum required criteria but MCA program will be soon applying for accreditation.

20.Distance education/online education:

AKGEC is affiliated to Dr. A. P. J. Abdul Kalam Technical University. All the programs and courses are conducted in regular mode. There is no distance learning or online education is mentined in the curriculum provided by the affiliating university.

However, during Covid-19 time, all the classes were stwitched from offline to online mode from April 2019 - July 2021.

At present, all the classes are conducted in physical mode. E-contects (e.g. videos, ppts notes) are also provided by the faculty for the better understanding of courses to the students.

Extended Profile

1.Programme

1.1	1335

Number of courses offered by the institution across all programs during the year

File Description	Documents
Data Template	[View File]()

2.Student

2.1	**4633**
Number of students during the year	

File Description	Documents
Institutional Data in Prescribed Format	[View File]()

2.2	**499**
Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year	

File Description	Documents
Data Template	[View File]()

2.3	**929**
Number of outgoing/ final year students during the year	

File Description	Documents
Data Template	[View File]()

3.Academic

3.1	**254**
Number of full time teachers during the year	

File Description	Documents
Data Template	[View File]()

3.2	**253**
Number of sanctioned posts during the year	

File Description	Documents
Data Template	[View File](#)

4.Institution

4.1 Total number of Classrooms and Seminar halls	**94**
4.2 Total expenditure excluding salary during the year (INR in lakhs)	**2841.81**
4.3 Total number of computers on campus for academic purposes	**1433**

Part B

CURRICULAR ASPECTS

1.1 - Curricular Planning and Implementation

1.1.1 - The Institution ensures effective curriculum delivery through a well planned and documented process

Response: -

Ajay Kumar Garg Engineering College, Ghaziabad (an initiative of the Indian Institute of Management and Engineering Society) is affiliated with Dr. A.P.J. Abdul Kalam Technical University, Lucknow and strictly follows the curriculum prescribed by the university. The college offers AICTE approved, B.Tech. courses in twelve disciplines, M. Tech courses in four disciplines and MCA. The IQAC is ensuring the instructional standards for stable education and examination system required for efficient curriculum delivery.The Head of the Departments discusses their action plans in their meetings with faculty members, for optimal and effective curriculum delivery. The process of ensuring the effective curriculum delivery by the Institute is as follows:

The subject course file is prepared by every faculty member of the department (reviewed by HoD and IQAC team) that includes Quality Policy, PEOs, POs, PSOs, COs, Academic Calendar, Syllabus, Class/Master time-table, Lesson Plan as per Bloom's Taxonomy, Mapping of COs and POs, Previous Year Question Papers, GAP-Analysis, Action is taken to fill the GAP, Assignments, Topic beyond the syllabus, Quizzes, Question Bank, List of Text & Reference Books, e-

content.

File Description	Documents
Upload relevant supporting document	[View File](#)
Link for Additional information	[https://drive.google.com/file/d/1SUkVIsLiUfo KgfU2Rr5dOqIFCmscIti9/view?usp=share_link](https://drive.google.com/file/d/1SUkVIsLiUfoKgfU2Rr5dOqIFCmscIti9/view?usp=share_link)

1.1.2 - The institution adheres to the academic calendar including for the conduct of Continuous Internal Evaluation (CIE)

Response: -

The institute strictly adheres to the academic calendar issued by Dr. A.P.J Abdul Kalam Technical University, Lucknow, UP, in terms of date of commencement of the academic session, Centralized Internal Examination (CIE), and End Semester Examinations along with the vacation period. As per the university calendar, the institute academic calendar is made comprising of well-planned events after discussion in HoDs meeting with Director General. The academic calendar is made available on the college website for all students and other stake holders.

All the academic activities such as lesson plans, the conduct of classes, internal examinations are prepared and scheduled as per the academic calendar. Monthly and overall attendance analysis of students is taken and analyzed after uploading the student's attendance on the Edumarshal portal based on the academic calendar.

This ensures the successful continuous internal evaluation of syllabus coverage for faculties as well as students.With prior information about the academic activities via the academic calendar, multiple stake holders can conduct continuous internal evaluations under their domains.

At the end of every semester, the end-semester examination is conducted and managedaccordingthe date-sheet given by university. Students should satisfy the eligibility criteria of 75% attendanceto appear University Examination.

File Description	Documents
Upload relevant supporting document	[View File]
Link for Additional information	https://drive.google.com/file/d/1Ll12jH-8zOm spSUjbKeGZiOh8eRXukyw/view?usp=share_link

1.1.3 - Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the year. Academic council/BoS of Affiliating University Setting of question papers for UG/PG programs Design and Development of Curriculum for Add on/ certificate/ Diploma Courses Assessment /evaluation process of the affiliating University	C. Any 2 of the above

File Description	Documents
Details of participation of teachers in various bodies/activities provided as a response to the metric	[View File]
Any additional information	[View File]

1.2 - Academic Flexibility

1.2.1 - Number of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented

1.2.1.1 - Number of Programmes in which CBCS/ Elective course system implemented

18

File Description	Documents
Any additional information	[View File]
Minutes of relevant Academic Council/ BOS meetings	[View File]
Institutional data in prescribed format (Data Template)	[View File]

1.2.2 - Number of Add on /Certificate programs offered during the year

1.2.2.1 - How many Add on /Certificate programs are added during the year. Data requirement for year: (As per Data Template)

28

File Description	Documents
Any additional information	View File
Brochure or any other document relating to Add on /Certificate programs	View File
List of Add on /Certificate programs (Data Template)	View File

1.2.3 - Number of students enrolled in Certificate/ Add-on programs as against the total number of students during the year

4856

File Description	Documents
Any additional information	View File
Details of the students enrolled in Subjects related to certificate/Add-on programs	View File

1.3 - Curriculum Enrichment

1.3.1 - Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum

The institute is following Dr.A.P.J. Abdul Kalam Technical University's curriculum.

Professional Ethics & Human Values: The curriculum of UG/PG programs includes courses to encourage Human Values and Professional Ethics in students. This course is included to inculcate human values and professional ethics among all the students. The core courses on the Constitution of India, Law, and Engineering/Indian Tradition, Culture, and Society are also running in the B.Tech program. Courses on Professional Communication Lab, Soft Skills-I, and Soft Skills-II are taught in B.Tech, Technical Communication, and Universal Human values are included in B.Tech 2nd year.

Courses to address Gender: At present, the curricular structure does not include any specific course that addresses cross-cutting issues related to gender. To promote gender equality various senior posts

such as Chief Account officer, Registrar, Head center support cell, Deputy dean R&D, Deputy Dean T&P, Head Computer Science & Engineering by female members.

Courses to address Environment and Sustainability: The curriculum includes different courses that address the Environment and its related issues.The institute is oriented towards environmental sustenance and eco-friendliness. A network of rainwater harvesting systems ensures continuous recharging of the groundwater table. The sewage treatment plant recycles the water filtered through its beds.

File Description	Documents
Any additional information	View File
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum.	View File

1.3.2 - Number of courses that include experiential learning through project work/field work/internship during the year

140

File Description	Documents
Any additional information	View File
Programme / Curriculum/ Syllabus of the courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	View File
MoU's with relevant organizations for these courses, if any	View File
Institutional Data in Prescribed Format	View File

1.3.3 - Number of students undertaking project work/field work/ internships

3202

File Description	Documents
Any additional information	View File
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	View File

1.4 - Feedback System

1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders Students Teachers Employers Alumni	**A. All of the above**

File Description	Documents
URL for stakeholder feedback report	https://www.akgec.ac.in/feedback-system-2021-22/
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	View File
Any additional information	View File

1.4.2 - Feedback process of the Institution may be classified as follows	**B. Feedback collected, analyzed and action has been taken**

File Description	Documents
Upload any additional information	View File
URL for feedback report	https://www.akgec.ac.in/feedback-system-2021-22/

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment Number Number of students admitted during the year

2.1.1.1 - Number of students admitted during the year

1186

File Description	Documents
Any additional information	View File
Institutional data in prescribed format	View File

2.1.2 - Number of seats filled against seats reserved for various categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy during the year (exclusive of supernumerary seats)

2.1.2.1 - Number of actual students admitted from the reserved categories during the year

410

File Description	Documents
Any additional information	View File
Number of seats filled against seats reserved (Data Template)	View File

2.2 - Catering to Student Diversity

2.2.1 - The institution assesses the learning levels of the students and organizes special Programmes for advanced learners and slow learners

Assistance to weak students

Buddy Program:

All Departments conduct a buddy program in which top 5 students from each section are made as buddy of bottom 5 students to help them in their studies and to provide them technical assistance. Regular meetings of these buddy partners with respective department heads are also conducted to motivate the students.

Mentorship Program:

In Mentorship programme weak students of 2nd year and 3rd year across the sections are provided extra classes by the senior students for some difficult subjects (depending on the difficulty level of the subject).Minimum one class per week is scheduled for a subject during working hour.

Encouraging bright students

Reward for highest marks in internal and external examinations:

Meritorious students are given cash awards for internal exams called sessional 1, 2 and pre university test. Eligibility criterion to qualify for this award is a minimum of 80% marks in all subjects of a particular exam. Reward money for each internal exam is as follows:

ST1-Rs 1000

ST2- Rs. 2000

PUT- Rs. 3000

Advance learners are motivated to join various departmental societies, which foster activity-based learning. These societies are Conatus, Nirmaan, Phoenix, Oorja, Samveg etc.

File Description	Documents
Paste link for additional information	https://www.akgec.ac.in/wp-content/uploads/2023/01/Criteria-2.2.1.pdf
Upload any additional information	View File

2.2.2 - Student- Full time teacher ratio (Data for the latest completed academic year)

Number of Students	Number of Teachers
4633	248

File Description	Documents
Any additional information	View File

2.3 - Teaching- Learning Process

2.3.1 - Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences

Experiential learning

Lab experiments -Experiential learning is the process of learning through experiences. Few lab experiments are conducted beyond syllabus.

Cloud Computing Cell has been a part of AKGEC since February 2016.

Research and Industrial Consultancy Centre (RICC) has been established in the college to promote industrial consultation and extend consultancy and research as per industry needs.

Virtual laboratories provide real time learning experience.

Software Incubatoris the research and development centre established within the premises of AKGEC.

Big Data Centre of Excellence is the Research and Development centre of AKGEC. It is the first "Centre of Excellence" in AKTU, working in the field of Big Data. It was established in 2013.

Internships and industrial exposure provide students with an opportunity to share industry experiences.

Departmental societies

Conatus, Nirmaan, Oorja, Phoenix, Samveg

Extra-curricular Societies

Euphony, Footprints, Horizon, Goonj, Renaissance, taal, verve

Student Chapters

CSI (Computer Society of India) , ISTE, SAE India

Problem-solving methodologies

1. Providing assignments on regular basis and discuss them in tutorial sessions/classes.
2. Conducting quizzes through google forms.
3. Encouraging students to join MOOC courses.
4. By organizing alumni talk and guest lectures.

File Description	Documents
Upload any additional information	[View File](#)
Link for additional information	https://www.akgec.ac.in/wp-content/uploads/2023/01/NAAC-Criteria-2.3.1.pdf

2.3.2 - Teachers use ICT enabled tools for effective teaching-learning process. Write description in maximum of 200 words

1. Modernized Lecture theatres

All lecture theatres are equipped with multimedia projectors, chalk-boards and microphone & speaker facility.

2. Classrooms with Smartboards

There are total of 87 classrooms which are equipped with smartboards.

- **Improves student-teacher interaction**
- **Encourages teachers to teach in real-time with audios and videos lessons, visual multimedia & PPT presentations, 2D & 3D virtual space, etc.**
- **Paperless advantages**
- **Creates web and Internet-based teaching and learning platform for teacher and students respectively**

Google-Classroom Learning Management System (LMS) is a platform of course management system and it is a free, flexible and open-source software package designed to help educators to create effective online learning environment which can be personalized.

Model Solution of all Internal and University exams in soft copy and hard copy are available in college library.

G-suite email ids as common platform for sharing information amongst faculty and students.

All faculty members are using Google Classroom for

- **Sharing notes**
- **Assignments**
- **Video lecture**

Google Meet has been chosen as the lecture delivery platform also.

Lecture recording at AKGEC digital studio – Faculties from all departments record their contents and lectures related to various subjects at digital studio. These recorded lectures are available at different platforms accessible to the students.

File Description	Documents
Upload any additional information	View File
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	View File

2.3.3 - Ratio of mentor to students for academic and other related issues (Data for the latest completed academic year)

2.3.3.1 - Number of mentors

176

File Description	Documents
Upload, number of students enrolled and full time teachers on roll	View File
Circulars pertaining to assigning mentors to mentees	View File
Mentor/mentee ratio	View File

2.4 - Teacher Profile and Quality

2.4.1 - Number of full time teachers against sanctioned posts during the year

254

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	View File
Any additional information	View File
List of the faculty members authenticated by the Head of HEI	View File

2.4.2 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.B Superspeciality / D.Sc. / D.Litt. during the year (consider only highest degree for count)

2.4.2.1 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.C Superspeciality / D.Sc. / D.Litt. during the year

80

File Description	Documents
Any additional information	View File
List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for year (Data Template)	View File

2.4.3 - Number of years of teaching experience of full time teachers in the same institution (Data for the latest completed academic year)
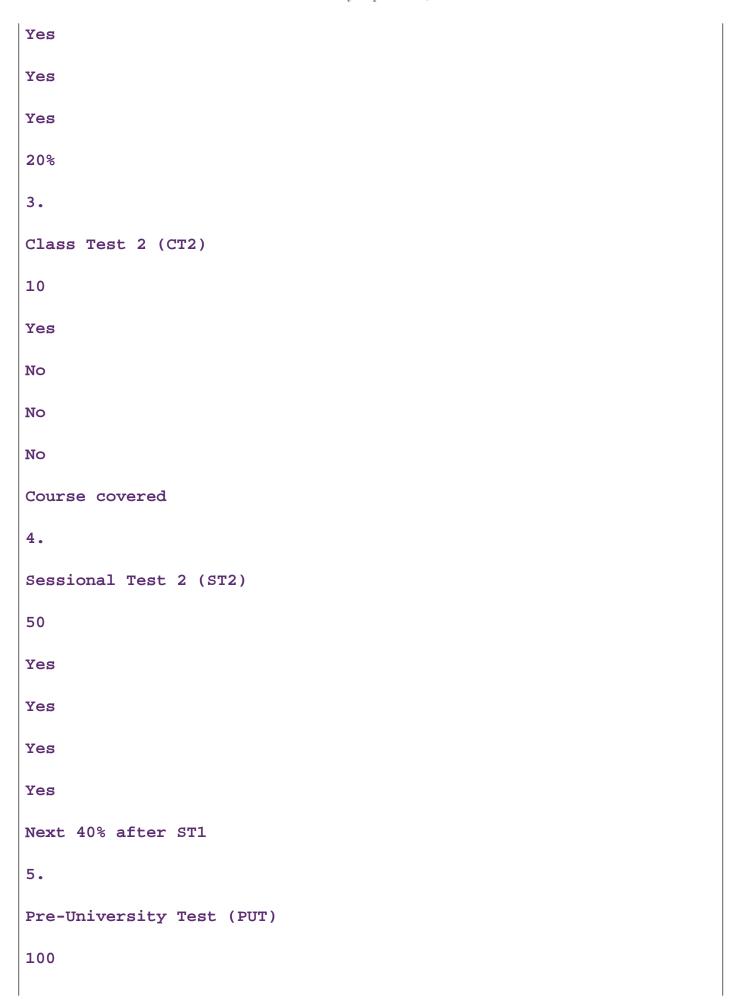
2.4.3.1 - Total experience of full-time teachers

1839

File Description	Documents
Any additional information	View File
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	View File

2.5 - Evaluation Process and Reforms

2.5.1 - Mechanism of internal assessment is transparent and robust in terms of frequency and mode. Write description within 200 words.

The Internal Evaluation System is very strong in the institution and controlled centrally by the examination department.

Marks scheme for internal evaluation

S. No.

Exam Name

Marks

1st year

2nd Year

3rd Year

4th Year

Syllabus Coverage

1.

Class Test 1 (CT1)

10

Yes

No

No

No

Course covered

2.

Sessional Test 1 (ST1)

25

Yes

Yes

Yes

Yes

20%

3.

Class Test 2 (CT2)

10

Yes

No

No

No

Course covered

4.

Sessional Test 2 (ST2)

50

Yes

Yes

Yes

Yes

Next 40% after ST1

5.

Pre-University Test (PUT)

100

Yes

Yes

Yes

Yes

100%

Process for setting internal Question papers:

- **Question papers for all exams are prepared a week before in consultation with faculty members teaching same subject in various sections. The paper is checked by faculty expert followed by Head of the Department.**

File Description	Documents
Any additional information	[View File](#)
Link for additional information	https://drive.google.com/drive/folders/1QFzj hOwvc2D3VmTkqhoe63vsKrbPpR3_?usp=share_link

2.5.2 - Mechanism to deal with internal examination related grievances is transparent, time- bound and efficient

AKGEC has a centralized examination cell comprised of faculty and staff members. This Examination cell is headed by Deans Examinations/Center Superintendent in case of internal/external examinations respectively. The responsibilities of exam cell include planning, execution and smooth conduction of internal and external examination. All the activities are followed under the guidance of the Director and the instructions issued by the affiliating university.

The required details are aateched in additional information documents and in the given link.

File Description	Documents
Any additional information	View File
Link for additional information	https://drive.google.com/drive/folders/1g379 aixZ9V7pvLOnE7rGziWDeX4ZxeIm?usp=share_link

2.6 - Student Performance and Learning Outcomes

2.6.1 - Programme and course outcomes for all Programmes offered by the institution are stated and displayed on website and communicated to teachers and students.

In accordance with the guidelines of Outcome Based Education (OBE), the Program Outcomes (POs), Program Specific Outcomes (PSOs), and Course Outcomes (COs) are framed by the department offering the relevant program, following extensive consultation with all faculty and stakeholders. Following the achievement of consensus, the statements are extensively disseminated and advertised via different channels. of presentation and/or communication mentioned below.

- Website
- Curriculum /regulations books
- Laboratories
- Department Notice Boards
- Student Induction Programs
- Meetings/ Interactions with employers
- Parents meetings
- Faculty meetings
- Alumni meetings
- Library

While addressing the students, the faculty members, class teachers, mentors inform the students, create awareness and emphasize the need to attain the outcomes.COs, POs and PSOs are available on the institute's website.

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	https://www.akgec.ac.in/iqac/#peos-pos-psos
Upload COs for all Programmes (exemplars from Glossary)	View File

2.6.2 - Attainment of Programme outcomes and course outcomes are evaluated by the institution.

CO Attainment Process:

The attainment of COs is assessed through direct evaluations. The direct attainment is measured based on the performance of the students in internal and external examinations conducted during the semester:

Exam Name

Units Covered

CO's Attainment Extracted

ST1

1

CO1

ST2

2,3

CO2 & CO3

PUT

1 to 5

CO4 & CO5

Each Faculty teaching the subject in a particular section calculates the CO Attainment for his/her section. Finally, CO attainment results of all the sections are averaged out to calculate the final CO attainment for that subject.

The calculated CO attainments in percentage are then converted into levels.

1. Attainment level 3 will be assigned if 60% students score more than 40% marks out of relevant maximum marks.
2. Proportional attainment levels will be assigned if the target achieved is below 60%.
3. The final CO attainment will be calculated by proportionally adding the Internal and External Co attainments in proportion

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   of 20:80.
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PO Attainment Process:

Following Assessment Tools are used for attainment of POs and PSOs:

S.No.

TOOL

CATEGORY

1.

CO attainment results of all Theory & Practical Courses (Internal)

Direct Assessment

2.

CO attainment results of all Theory & Practical Courses (External)

3.

Student Feedback

In-direct Assessment

File Description	Documents
Upload any additional information	[View File]()
Paste link for Additional information	https://www.akgec.ac.in/wp-content/uploads/2023/01/2.6.2-CO-PO-Attainment-specimen.pdf

2.6.3 - Pass percentage of Students during the year

2.6.3.1 - Total number of final year students who passed the university examination during the year

929

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	[View File](#)
Upload any additional information	[View File](#)
Paste link for the annual report	https://www.akgec.ac.in/wp-content/uploads/2022/01/SAMPARK-20-21.pdf

2.7 - Student Satisfaction Survey

2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire) (results and details need to be provided as a weblink)

https://www.akgec.ac.in/wp-content/uploads/2023/01/2.7.1-Specimen-Satisfaction-Survey-2021-22.pdf

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Resource Mobilization for Research

3.1.1 - Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

3.1.1.1 - Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

21.54

File Description	Documents
Any additional information	[View File](#)
e-copies of the grant award letters for sponsored research projects /endowments	[View File](#)
List of endowments / projects with details of grants(Data Template)	[View File](#)

3.1.2 - Number of teachers recognized as research guides (latest completed academic year)

3.1.2.1 - Number of teachers recognized as research guides

`10`

File Description	Documents
Any additional information	[View File](#)
Institutional data in prescribed format	[View File](#)

3.1.3 - Number of departments having Research projects funded by government and non government agencies during the year

3.1.3.1 - Number of departments having Research projects funded by government and non-government agencies during the year

`3`

File Description	Documents
List of research projects and funding details (Data Template)	[View File](#)
Any additional information	[View File](#)
Supporting document from Funding Agency	[View File](#)
Paste link to funding agency website	https://aktu.ac.in/

3.2 - Innovation Ecosystem

3.2.1 - Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge

The Institute has taken many steps to improve innovation and research at its campus in recent times. It established the Institution's Innovation Council (IIC) in the year 2018 for promoting different activities related to Innovation, IPR, start-up, and entrepreneurship. To further strengthen such activities and take the students stepwise from beginning to end, the Institute has a Pre-incubation Unit called FAB lab, an Incubation Unit called IDEA lab, and an IP Facilitation Unit called IPR Cell. The college has the distinction of being the only Engineering College in the State of U.P. to have received approval from the Department of Science and Technology (DST), Government of India, for establishment of Centre of Relevance and Excellence (CORE) in the field of Automation & Robotics. The College has established nine Centre of Excellence's in partnership with international industries to promote research,

consultancy, project development and training in the emerging technologies. The College has established the research and development centre named as SOFTWARE INCUBATOR-SDC. "Big Data Centre of Excellence" is the Research and Development centre of AKGEC. It is the first "Centre of Excellence" in AKTU, working in the field of BigData.

The detail information is mention inthe attached additional information documents.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	**Nil**

3.2.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship during the year

3.2.2.1 - Total number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during the year

1

File Description	Documents
Report of the event	[View File](#)
Any additional information	[View File](#)
List of workshops/seminars during last 5 years (Data Template)	[View File](#)

3.3 - Research Publications and Awards

3.3.1 - Number of Ph.Ds registered per eligible teacher during the year

3.3.1.1 - How many Ph.Ds registered per eligible teacher within the year

11

File Description	Documents
URL to the research page on HEI website	https://www.akgec.ac.in/wp-content/uploads/2022/11/3.1.2-3.3.1.pdf
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template)	View File
Any additional information	View File

3.3.2 - Number of research papers per teachers in the Journals notified on UGC website during the year

3.3.2.1 - Number of research papers in the Journals notified on UGC website during the year

73

File Description	Documents
Any additional information	View File
List of research papers by title, author, department, name and year of publication (Data Template)	View File

3.3.3 - Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during the year

3.3.3.1 - Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during year

26

File Description	Documents
Any additional information	View File
List books and chapters edited volumes/ books published (Data Template)	View File

3.4 - Extension Activities

3.4.1 - Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the year

True to the lofty ideals of the National Service Scheme movement, our institute seeks to actively involve students in voluntary social

service activities for the socio-economic development of the area surrounding our institution as well as the nation at large. Through our innovatively designed NSS program and other initiatives, we provide opportunities to students to empathetically understand and appreciate the problems of the communities, awaken social consciousness and inculcate in them a sense of dignity of labour and fellow feeling. Today, we are strongly connected to our immediate society as well as the nation through an emotional and moral bonding by virtue of the passion and dedication with which our students carry out the various social service initiatives

· Our NSS unit seeks to underline that the welfare of an individual is ultimately dependent on the welfare of the society as a whole that is demonstrated through our regular NSS activities.

The detail information is mention inthe attached additional information documents.

· The college plans and implements Programmes to inculcate thoughts in the minds of students oriented towards achieving social welfare and provide selfless service to the society without any prejudice and expectation for reward.

File Description	Documents
Paste link for additional information	**Nil**
Upload any additional information	[View File](#)

3.4.2 - Number of awards and recognitions received for extension activities from government / government recognized bodies during the year

3.4.2.1 - Total number of awards and recognition received for extension activities from Government/ Government recognized bodies year wise during the year

0

File Description	Documents
Any additional information	View File
Number of awards for extension activities in last 5 year (Data Template)	View File
e-copy of the award letters	View File

3.4.3 - Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., (including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organized in collaboration with industry, community and NGOs) during the year

3.4.3.1 - Number of extension and outreach Programs conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year

0

File Description	Documents
Reports of the event organized	View File
Any additional information	View File
Number of extension and outreach Programmes conducted with industry, community etc for the during the year (Data Template)	View File

3.4.4 - Number of students participating in extension activities at 3.4.3. above during year

3.4.4.1 - Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations such as Swachh Bharat, AIDs awareness, Gender issue etc. year wise during year

0

File Description	Documents
Report of the event	View File
Any additional information	View File
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	View File

3.5 - Collaboration

3.5.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship during the year

3.5.1.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship year wise during the year

63

File Description	Documents
e-copies of related Document	View File
Any additional information	View File
Details of Collaborative activities with institutions/industries for research, Faculty	View File

3.5.2 - Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the year

3.5.2.1 - Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. year wise during the year

2

File Description	Documents
e-Copies of the MoUs with institution./ industry/corporate houses	View File
Any additional information	View File
Details of functional MoUs with institutions of national, international importance, other universities etc during the year	View File

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

4.1.1 - The Institution has adequate infrastructure and physical facilities for teaching- learning. viz., classrooms, laboratories, computing equipment etc.

College campus is spread over 1,18,313 sq. M. (29.24 acre) with 82919.21Sq. M. built up area. The department complexes have spacious laboratories, smart classrooms, department offices, and faculty cabins. The college has state-of-the-art computing facilities with approx 1433computers networked through broadband. The Institute has central library with 136,714 books and reading rooms, Wi-Fi campus,

canteen, transport facility, playgrounds, power backup, etc. The college has 3 computer centers with all modern configured computers with 1100 Mbps internet speed.

The college has 87 spacious classrooms/ tutorial rooms with more than 60 sitting capacities. All classrooms are equipped with ICT facilities. The college has 4 Seminar halls and 3 conference halls. Also 2 meeting rooms with LED and wi-fi.

The college has 55 well-equipped laboratories/workshops, these labs are used in even and odd semesters for approx 110 lab courses/workshops. The institute has established innovation/ development center facilities. The college also has various Centers of Excellence and departmental societies. The college has a UHVPE cell that conducts various workshops and activities.

Library System comprises a Central Library, 8 Departmental Libraries, and 5 Hostel Libraries. The Central Library consists of two sections spread over 1465 sq meters with a total seating capacity of 344 users.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://www.akgec.ac.in/geotagged-photographs/

4.1.2 - The Institution has adequate facilities for cultural activities, sports, games (indoor, outdoor), gymnasium, yoga centre etc.

The college is encouraging and providing facilities for students to participate in games. Our college provides facilities for both indoor and outdoor games to the students and 8 coaches are allocated to facilitate the students. Spacious playgrounds are available for outdoor and for indoor games to students on the college campus.

The college has carved out a special niche for itself in cultural activities. The students are organizing & participating in many cultural activities. We have an amphitheater and open space for large cultural events. We have six different cultural societies:Taal society,Euphony Society,Footprints society,Goonj society,Verve society, andPhotography society to conduct various events throughout the year.

The college provides well-furnished hostel accommodation to its students. The six hostel campuses are spread over four complexes namely, the junior girls' hostel complex, the girl's hostel complex, the junior boy's hostel complex, and the senior boys' hostel complex. The hostels have gymnasium (indoor & outdoor) as well as indoor and outdoor sports facilities. The gym instructor has been appointed to guide the students on how to use equipment and share healthy tips. Yoga centers/open spaces are maintained in the college with sufficient facilities for yoga.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.akgec.ac.in/geotagged-photographs-cultural/

4.1.3 - Number of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc.

94

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.akgec.ac.in/geotagged-photographs-classrooms/
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

4.1.4 - Expenditure, excluding salary for infrastructure augmentation during the year (INR in Lakhs)

4.1.4.1 - Expenditure for infrastructure augmentation, excluding salary during the year (INR in lakhs)

1520

File Description	Documents
Upload any additional information	View File
Upload audited utilization statements	View File
Upload Details of budget allocation, excluding salary during the year (Data Template	View File

4.2 - Library as a Learning Resource

4.2.1 - Library is automated using Integrated Library Management System (ILMS)

The AKGEC Library System comprises a Central Library, eight Departmental Libraries, and five Hostel Libraries. The Central Library consists of two sections spread over 1465 Sq Mtrs with a total seating capacity of 344 users.

The state-of-the-art facilities include KOHA Open-Source Library Management Software which is Web Based Online Public Access Catalogue (Web OPAC) from 2014. Digital Library/Institutional Repository Server on DSpace software, Membership to DELNET and National Digital Library which has a collection of more than 6 Lac resources of Engineering, Science, Humanities available for use by all the stakeholders.

The Central Library subscribes to more than 25 magazines and 11 newspapers. ILMS software KOHA (version5.018002) was implemented in 2014.

Item

Detail

Name of ILMS software

KOHA

Nature of automation (fully or partially)

Partially

Version

5.018002

Year of Automation

From 2003 with Alice for Window and Migrated to KOHA in 2014.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for Additional Information	https://www.akgec.ac.in/central-library/

4.2.2 - The institution has subscription for the following e-resources e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access toe-resources	**A. Any 4 or more of the above**

File Description	Documents
Upload any additional information	[View File](#)
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	[View File](#)

4.2.3 - Expenditure for purchase of books/e-books and subscription to journals/e- journals during the year (INR in Lakhs)

4.2.3.1 - Annual expenditure of purchase of books/e-books and subscription to journals/e-journals during the year (INR in Lakhs)

36.90303

File Description	Documents
Any additional information	[View File](#)
Audited statements of accounts	[View File](#)
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	[View File](#)

4.2.4 - Number per day usage of library by teachers and students (foot falls and login data for online access) (Data for the latest completed academic year)

4.2.4.1 - Number of teachers and students using library per day over last one year

311

File Description	Documents
Any additional information	[View File](#)
Details of library usage by teachers and students	[View File](#)

4.3 - IT Infrastructure

4.3.1 - Institution frequently updates its IT facilities including Wi-Fi

Institutional frequent update in IT facilities and wifi2021-22

year

Update in computers in number

Update in computer hardware and network

Update in computer software in numbers

Details of updated softwares

Update in wi-fi

Update in other network infrastructure

Update in bandwidth of wi-fi and wired network

2021-2022

32

APC Online UPS 10 KVA QTY: 02 Along with Batteries

Procured CISCO Catalyst QTY: 42switches, CISCO SFP Modular QTY: 35 and Many other networking items in huge quantity like CAT6 cable rolls I/O, Patch panels, Fiber Cables and other passive items For implementation of LAN Connectivity at 5 Hostels in all rooms.

35 SSD Upgrade in smart class

RAM Upgrade 8 GB in 638 systems

Dell Laptop:-06

Printer:-06

Scanner :-01

1

i) Yearly Renewal of Microsoft Cloud Campus Agreement

i)

02 WiFi Ruckus Access Point

1. Upgrade to Fortinet Firewall 400E

2. Installation of LAN in All 5 Hostels(All Rooms)

100

The College believes in regular upgradation and maintenance of its IT facilities to keep pace with the changing needs of technology and the curriculum. In the year 2021-22, The Internet Bandwidth has been increased to 1.1 Gbps.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	**Nil**

4.3.2 - Number of Computers

1433

File Description	Documents
Upload any additional information	View File
List of Computers	View File

4.3.3 - Bandwidth of internet connection in the Institution	A. ? 50MBPS

File Description	Documents
Upload any additional Information	View File
Details of available bandwidth of internet connection in the Institution	View File

4.4 - Maintenance of Campus Infrastructure

4.4.1 - Expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the year (INR in Lakhs)

4.4.1.1 - Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component during the year (INR in lakhs)

1575.34

File Description	Documents
Upload any additional information	View File
Audited statements of accounts	View File
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	View File

4.4.2 - There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.

1. Computers are purchased against requirements from Departments and Sections centrally by the Central Support Cell

2. A dedicated system to ensure scheduled maintenance and repair of sports complexes and infrastructure exists in the college. The college Sports Officer is the main advisor to Dean Admin for necessary maintenance of sports associated requirements. The necessary procurement of sports items is done in consultation with Dean Hostel and Dean Students Welfare through Chief Purchase Officer.

3. All the classrooms are cleaned daily and furniture is wiped off by the designated staff before start of the classes. All the Electrical switches, fans, etc are checked and repaired on a requirement basis.

4. Requirements for the books from the faculty member as well as students are received on Book Requisition. The titles of books and number of copies required are sought after finding the availability of the title, number of copies in the library in consultation with Dean Library. Then approval for the purchase of the books is obtained from the Dean Library and Director-General. After that order for recommended books is prepared. Then a purchase order is placed on the book suppliers on the basis of discounts and services.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.akgec.ac.in/wp-content/uploads/2022/11/4.4.2-Procedures.pdf

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

5.1.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

1130

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	View File
Upload any additional information	View File
Number of students benefited by scholarships and free ships provided by the Government during the year (Data Template)	View File

5.1.2 - Number of students benefitted by scholarships, free ships etc. provided by the institution / non- government agencies during the year

5.1.2.1 - Total number of students benefited by scholarships, free ships, etc provided by the institution / non- government agencies during the year

59

File Description	Documents
Upload any additional information	View File
Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	View File

5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) ICT/computing skills

A. All of the above

File Description	Documents
Link to Institutional website	https://www.akgec.ac.in/capacity-building-and-skills-enhancement/
Any additional information	View File
Details of capability building and skills enhancement initiatives (Data Template)	View File

5.1.4 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

767

5.1.4.1 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

767

File Description	Documents
Any additional information	View File
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	View File

5.1.5 - The Institution has a transparent

A. All of the above

mechanism for timely redressal of student grievances including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organization wide awareness and undertakings on policies with zero tolerance Mechanisms for submission of online/offline students' grievances Timely redressal of the grievances through appropriate committees

File Description	Documents
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	View File
Upload any additional information	View File
Details of student grievances including sexual harassment and ragging cases	View File

5.2 - Student Progression

5.2.1 - Number of placement of outgoing students during the year

5.2.1.1 - Number of outgoing students placed during the year

757

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	View File
Details of student placement during the year (Data Template)	View File

5.2.2 - Number of students progressing to higher education during the year

5.2.2.1 - Number of outgoing student progression to higher education

10

File Description	Documents
Upload supporting data for student/alumni	View File
Any additional information	View File
Details of student progression to higher education	View File

5.2.3 - Number of students qualifying in state/national/ international level examinations during the year (eg: JAM/CLAT/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations)

5.2.3.1 - Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations) during the year

22

File Description	Documents
Upload supporting data for the same	View File
Any additional information	View File
Number of students qualifying in state/ national/ international level examinations during the year (Data Template)	View File

5.3 - Student Participation and Activities

5.3.1 - Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national / international level (award for a team event should be counted as one) during the year

5.3.1.1 - Number of awards/medals for outstanding performance in sports/cultural activities at university/state/ national / international level (award for a team event should be counted as one) during the year.

39

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	View File
Number of awards/medals for outstanding performance in sports/cultural activities at univer sity/state/national/international level (During the year) (Data Template)	View File

5.3.2 - Institution facilitates students' representation and engagement in various administrative, co-curricular and extracurricular activities (student council/ students representation on various bodies as per established processes and norms)

The college has a number of active cultural and literary societies involved in multifarious activities all -round the year. These societies encourage the students to showcase their talent through various events during college functions and in events organized by other institutions. In addition, 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 presentation, seminars and a plethora of similar activities. The organization of an event develops the administrative skills in students.

  1. Departmental Societies are

 Conatus, Nirman, Oorja, Phoenics, Samveg, Bigdata, Cloud computing cell.

  2. Extra-curricular Societies:

 Euphony,Footprints, Horizon, Goonj, Renaissance, Taal,Verve

  3. Student chapters:

 CSI,ISTE,SAE India,Robotics Club,IEEE

Besides these, the students also represent their classes as the class representatives (Class CRs).

Students are also involved in the Training & Placement process as training and placement representatives (T&P CRs) to coordinate the placement process.

A Discipline Committee (DC) exits at college level involving the students all across the branches /years.

Students are also members in Proctorial and anti-ragging squad along with the faculty members with various administrative roles.

File Description	Documents
Paste link for additional information	https://drive.google.com/drive/u/1/folders/1 loAkNQXBOD9Z5CxY1CheZloPcWUjCtjD
Upload any additional information	View File

5.3.3 - Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions)

5.3.3.1 - Number of sports and cultural events/competitions in which students of the Institution participated during the year

11

File Description	Documents
Report of the event	View File
Upload any additional information	View File
Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions (Data Template)	View File

5.4 - Alumni Engagement

5.4.1 - There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services

One of the strengths of AKGEC is, and has always been, its alumni. To establish, maintain and nurture a sustained, lifelong, and mutually beneficial relationship with its alumni, AKGEC formed an Alumni Association in 2005.

The alumni association at AKGEC has been active since its inception

and the various alumnus of college are consistently writing their success stories, and are contributing towards AKGEC, affiliated University and the progress of the country on social and economic grounds and keeping up the spirits of being an AKGECIAN.

Recently our alumni's Neeraj Srivastava, 2005-2009 B. Tech graduate from Electronics and Communication Engineering, Ankit Maheshwari, a 2006-2010 batch CSEhave received AKTU distinguished alumnus award for two consecutive years 2020 and 2021.

There are many such success stories to discuss; many of them can be found on our alumni portal (www.akgec.ac.in/alumni-success-stories/) and LinkedIn network (akgec.almaconnect.com/network details). Various alumni's are invited to college frequently for the formal talks with their juniors. The success stories of the alumnus motivate the students, and their experiences help them to identify the right path towards their career.

Since its formation, the college has been actively involved in facilitating networking amongst alumni for social and professional synergy. AKGEC organized its first annual alumni meet on 02 April, 2005. Since then the meet is organized every year, except during 2019-20, 2020-21 and 2021-22 due to Covid-19.

File Description	Documents
Paste link for additional information	www.akgec.ac.in/alumni-success-stories/
Upload any additional information	View File

5.4.2 - Alumni contribution during the year (INR in Lakhs)	A. ? 5Lakhs

File Description	Documents
Upload any additional information	View File

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of and in tune with the vision and mission of the institution

Institute Vision: To introduce undergraduate and post graduate courses for all Engineering Branches and award of PhD degree. To be

one of the best Engineering Colleges in the country and to be a Deemed University.

Institute Mission: We strive to provide and maintain academic environment & 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.

The institute is committed to accomplish its mission in all its endeavors. In accordance with vision and mission the quality policy of the institute has been designed

? The institute Vision and Mission were approved in January 2014 by the Governing Council.

File Description	Documents
Paste link for additional information	https://www.akgec.ac.in/wp-content/uploads/2022/11/6.1.1-The-governance-of-the-institution-is-reflective-of-and-in-tune-with-the-vision-and-mission-of-the-institution.pdf
Upload any additional information	View File

6.1.2 - The effective leadership is visible in various institutional practices such as decentralization and participative management.

1.Board of Governors – Have members from management, faculty, industry, educationists state government and nominated members of the University.

2. Boards of Studies-

(a) Dr. R.K. Agarwal Director General of college is member in university BoS for ME subjects.

(b) Prof. P.K. Chopra, Director of the college is member in

university BoS for ECE subjects.

(c) Prof. Rakesh Kumar Srivastava HOD Civil Engg. department is special invitee in University BoS for CE subjects.

(d) Prof. Hemant Ahuja HOD Electrical Engg. Department is member BoS for EN subjects.

3. Admission Committee- College has admission committee for admitting students in Direct Management quota and lapse seats.

4. Examination Committee- College has examination committee for conducting university level and internal examinations.

5. Anti-Ragging Committee- As per UGC guidelines ARC members are drawn from administration, police, media, parents and student's representatives.

6. Proctor Committee- College has proctor committee to maintain discipline and punctuality

7. Training and Placement Cell- The cell is responsible to planning career development of students, inviting companies and getting them placed.

8.Women Grievance/Redresser Committee- All women grievances are resolved through nominated committee.

9. AKGEC Skill Foundation- Skill development related coordination with industry and students are being done by AKG Skill Foundation.

File Description	Documents
Paste link for additional information	https://www.akgec.ac.in/wp-content/uploads/2022/11/6.1.2-The-effective-leadership-is-visible-in-various-institutional-practices-such-as-decentralization-and-participative-management..pdf
Upload any additional information	View File

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

The institution has initiated many activities to promote technical ventures with industry to promote R&D activities and training programs which would improve the employability of students.

The college is the first institution in U.P. to have received approval from Deptt. of Science and Technology (DST), Govt. of India, for establishment of Centre of Relevance and Excellence (CORE) in the field of Industrial Automation and Robotics under the mission reach of TIFAC. The CORE has been established at our institution with the support of TIFAC and industry partners that include reputed firms like Bosch Rexroth, KUKA Robotics, Siemens PLM Software, Altair Engineering, National Instruments, Rockwell Automation and Jackson Engineering. Under the Scheme, the industry partners will be providing state-of-art equipments for establishment of a World class centre for training, research and product development in the field of Industrial Automation and Robotics.

The institution has also become the first institution in India to establish an Industrial Robotic Training Centre in collaboration with KUKA Robotics of Germany. The centre provides world-class training upto advanced and expert level to students who receive internationally accepted joint certification from KUKA and AKGEC.

These measures further contribute towards academic excellence and improved employability, thereby not only maintaining the top ranking of the college in U.P. but creating a position for it at all India level.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	https://www.akgec.ac.in/wp-content/uploads/2022/11/6.2.1-The-institutional-Strategic-perspective-plan-is-effectively-deployed.pdf
Upload any additional information	View File

6.2.2 - The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment and service rules, procedures, etc.

The Director General and Director are administrative heads of the college. However most of the administrative and academic functions are delegated to various HoDs and Deans who further delegate to ensure a decentralized governance system. The organogram of the college is provided below:

Additionally, every department has distributed various duties among faculty members which play an important role in various institutional functions. These duties are discussed in departmental meetings which are regularly conducted and the minutes recorded.

File Description	Documents
Paste link for additional information	https://www.akgec.ac.in/wp-content/uploads/2022/11/6.2.22021-226.2.2-The-functioning-of-the-institutional-bodies-is-effective-and-efficient-as-visible-from-policies-administrative-setup-appointment-and-service-rules.pdf
Link to Organogram of the institution webpage	https://www.akgec.ac.in/wp-content/uploads/2022/11/6.2.22021-226.2.2-The-functioning-of-the-institutional-bodies-is-effective-and-efficient-as-visible-from-policies-administrative-setup-appointment-and-service-rules.pdf
Upload any additional information	View File

6.2.3 - Implementation of e-governance in areas of operation Administration Finance and Accounts Student Admission and Support	A. All of the above

Examination

File Description	Documents
ERP (Enterprise Resource Planning)Document	View File
Screen shots of user inter faces	View File
Any additional information	View File
Details of implementation of e-governance in areas of operation, Administration etc(Data Template)	View File

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non- teaching staff

- In Campus faculty quarters.
- Transport facility for Faculty, Staff and Students
- Parking lot and Security:
- Conveyance facility for Deans and HoDs.
- Health Insurance for Students:
- All HODs have been empowered to propose their yearly department for technical and administration requirements. HoD has also been provided an imprest amount. The imprest amount once spent is reallocated repeatedly.

- Provident Fund & Gratuity:
- Leaves:

(1) CL – 12 over an academic year.

(2) EL – 10 over an academic year.

(3) SL – 10 over an academic year.

(2) RH – 02 over a calendar year.

Maternity Leave: 84 days

- Leave encashment for faculty and staff
- Canteen, ATM & Reprographic facility:
- Mess facility
- Free Wi-Fi facility is available to all.

- Medical facility: College has an affiliated Indo German

Hospital, where all students are yearly medically examined and college has ambulance with dedicated 24 × 7 driver.

- Open gym for faculty and staff.

- Every year at the beginning of the session class IV employees get a pair of new shoes and a uniform.

- Adarsh Vikas Kendra, welfare school for contract Labour children.

File Description	Documents
Paste link for additional information	https://www.akgec.ac.in/wp-content/uploads/2022/11/6.3.1-The-institution-has-effective-welfare-measures-for-teaching-and-non-teaching-staff.pdf
Upload any additional information	View File

6.3.2 - Number of teachers provided with financial support to attend conferences/ workshops and towards membership fee of professional bodies during the year

6.3.2.1 - Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the year

18

File Description	Documents
Upload any additional information	View File
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	View File

6.3.3 - Number of professional development /administrative training programs organized by the institution for teaching and non-teaching staff during the year

6.3.3.1 - Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff during the year

8

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	View File
Reports of Academic Staff College or similar centers	View File
Upload any additional information	View File
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	View File

6.3.4 - Number of teachers undergoing online/face-to-face Faculty development Programmes (FDP) during the year (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc.)

6.3.4.1 - Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course during the year

186

File Description	Documents
IQAC report summary	View File
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	View File
Upload any additional information	View File
Details of teachers attending professional development programmes during the year (Data Template)	View File

6.3.5 - Institutions Performance Appraisal System for teaching and non- teaching staff

The information on multiple activities is appropriately captured and considered for better appraisal through:

? Periodical reviews on classroom teaching by HoD: Every semester the faculty teaching is reviewed by the HoD and a feedback form is filled. The faculty are also apprised about their teaching.

? Feedback (theory and lab) from all the students of the college is taken for both faculty as well as staff members specifically lab attendants.

? University result for both the semesters: The university result of every faculty is reviewed and based on their performance they are awarded for the same.

? Successful completion of one NPTEL course per year:

? Self-appraisal by Faculty and Staff: Every year an elaborate appraisal form is filled by faculty and staff members in which they provide details of the work done by them in a particular year.

? All Professors and Associate Professors are also evaluated based on their administrative and academic / research contribution to the college and department.

File Description	Documents
Paste link for additional information	https://www.akgec.ac.in/wp-content/uploads/2022/11/6.3.5-Institutions-Performance-Appraisal-System-for-teaching-and-non-teaching-staff.pdf
Upload any additional information	View File

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly Enumerate the various internal and external financial audits carried out during the year with the mechanism for settling audit objections within a maximum of 200 words

Up to the year 2018-19, the college regularly conducted its internal audit as well as Statutory Audit from Adhir Garg & Co, Ghaziabad. The internal audits were conducted at periodical intervals by the internal auditors for Accounts, Library, Administration, Stores and any other the area which is required by the management to be audited and the report of such audits are submitted to the Director of the college for his review and for betterment of functioning wherever required.

From the year 2019-20, the college is conducting external audit from Anil Vaish and Co., Ghaziabad. The auditors visit periodically to conduct statutory audit. The observations noted by them are discussed with accounts team and if required with the Director

General / Management Members.

Based on monthly internal audit report the college is of the opinion that the systems of our college are well in place and thus the requirement of internal audit report not required further and discontinued with effect from 1 April, 2019. However, the present statutory auditor can give suggestions for better functioning of college to the Director General / Management members.

The statutory audit is based on the accounting vouchers / papers / bank statements and other relevant papers which are necessary for conducting statutory audit. The objections (if any), raised by them are settled on a real time basis. After the auditors are satisfied as per accounting guidelines, the they sign the annual balance sheet.

File Description	Documents
Paste link for additional information	https://www.akgec.ac.in/wp-content/uploads/2022/11/6.4.1-Institution-conducts-internal-and-external-financial-audits-regularly-Enumerate-the-various-internal-and-external-financial-audits-carried-out-during-the-year-with.pdf
Upload any additional information	View File

6.4.2 - Funds / Grants received from non-government bodies, individuals, philanthropers during the year (not covered in Criterion III)

6.4.2.1 - Total Grants received from non-government bodies, individuals, Philanthropers during the year (INR in Lakhs)

NIL

File Description	Documents
Annual statements of accounts	View File
Any additional information	View File
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)	View File

6.4.3 - Institutional strategies for mobilization of funds and the optimal utilization of resources

The institution always monitors the effective and efficient use of available financial resources for the infrastructural development and teaching learning process. Annual budget is made, funds allocated accordingly, expenditure monitored for deviation and reviewed periodically. Accounts are properly auditable by the charted accountant. Student fee is received periodically through University Academic fee committee.

The College has a governing body consisting of university & AICTE nominee, management representatives and other industry and academic members. Every financial year budget proposals including income & expenditure details being submitted by the college to the governing body for their consideration and approval. The proposals are made on different heads such as laboratory equipment, library expenses, salary payments, building infrastructure and other maintenance expenses.

The college has appointed an internal audit team for auditing the accounts and utilization of various resources periodically. These audit reports are submitted to the Director on a monthly basis and action taken to improve the system.

The annual balance sheet of the college is audited by an authorized audit team.

File Description	Documents
Paste link for additional information	https://www.akgec.ac.in/wp-content/uploads/2022/11/6.4.3-Institutional-strategies-for-mobilization-of-funds-and-the-optimal-utilization-of-resources.pdf
Upload any additional information	View File

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes

AKGEC has well established IQAC and is headed by Director of the institute since 10 October 2014. The IQAC team includes representatives from all stakeholders e.g. faculty, management, administration, students, alumni.

The IQAC prepares a detailed audit check list for each process and it is utilized by internal auditors for finding deviation from laid down system. The system is designed on requirements provided by AICTE, NBA and University and the Vision and Mission of the college. All these decisions are approved by management and such activities are implemented in the institution.

IQAC Communicates with faculty and students through the HoDs. All Heads are members of IQAC. IQAC also helps in getting accreditation by various agencies to promote quality culture in the institution. Five Engineering branches, B.Tech. (CSE, ECE, EN, IT & ME) are accredited by NBA w.e.f. 1 July 2022 - 30 June 2025. The college has a well-defined structure for carrying out the audit, one professor is nominated as MR and Deputy MR and each department has nominated responsible personnels to carryout internal audit of the departments.The report is thoroughly analyzed in IQAC meeting and finally send to the concerned department with recommendations for improvement, if any.

File Description	Documents
Paste link for additional information	https://www.akgec.ac.in/wp-content/uploads/2022/11/6.5.1-Internal-Quality-Assurance-Cell-IQAC-has-contributed-significantly-for-institutionalizing-the-quality-assurance-strategies-and-processes.pdf
Upload any additional information	View File

6.5.2 - The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities

Response:

• The seminars and workshops conducted for the faculty

• Seminars are conducted compulsorily for fourth year.

• Examining students by conducting internal, pre-final and external test assessments

• Holding extra classes for course completion

- **Arrangement of remedial classes for slow learners**

- **Digitalization of library**

- **Provision of Wi-Fi facility and smart classes**

- **Increased usage of ICT tools in teaching learning process**

- **Preparation of course plan at the beginning of every session**

Recruit and retain qualified faculty and staff at various levels.

To eliminate the problem of lack of good faculty, college makes special efforts for recruitment and retention of quality faculty. Our new hiring practice demands a candidate to demonstrate strong teaching ability.

Make curricular changes and introduction of new courses more frequently.

All the courses and Programmes underwent revisions in 2016 and 2018 to make them outcome based. Computer Science (CS) and Computer Science & Information Technology (CSIT) UG Programmes were added in the year 2019. Computer Science & Engineering (AI & ML) and Computer Science & Engineering (DS) have been added in the year 2020.

File Description	Documents
Paste link for additional information	https://www.akgec.ac.in/wp-content/uploads/2022/11/6.5.2-The-institution-reviews-its-teaching-learning-process-structures-methodologies-of-operations-and-learning-outcomes-at-periodic-intervals-through-IQAC-set-up-as.pdf
Upload any additional information	View File

6.5.3 - Quality assurance initiatives of the institution include: Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analyzed and used for improvements Collaborative quality initiatives with other institution(s) Participation in NIRF any other quality audit recognized by state,	**B. Any 3 of the above**

national or international agencies (ISO Certification, NBA)	

File Description	Documents
Paste web link of Annual reports of Institution	https://www.akgec.ac.in/aqar-2020-2021/
Upload e-copies of the accreditations and certifications	View File
Upload any additional information	View File
Upload details of Quality assurance initiatives of the institution (Data Template)	View File

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

7.1.1 - Measures initiated by the Institution for the promotion of gender equity during the year

Internal Complaints Committee

A special committee has been constituted to empower and safeguard the rights of female members, faculty staff and students of the Institution. The role of ICC is to act as Inquiry Authority on a complaint of sexual harassment and to ensure that complainant and witnesses are not victimized. It promotes gender sensitivity and gender equality in the Institution.

The principle resolution of this committee:

1. To promote a healthy working environment for all our female staff, students and faculty.

2. To work towards building a gender-sensitized environment at our institute.

3. To organize workshops and awareness programs at regular intervals towards building a gender-neutral workplace.

A committee constituted by AKGEC under Sexual harassment of woman prevention, prohibition and redressal act 2013.

Safety and Security

The important places in the institution such as Main entrance, Examination halls, Canteen and Controller of examinations office are under CCTV surveillance. The Institution has constituted women development cell and Anti Sexual Harassment Committee for the safety and security of women and girl students. Positions in AKGEC are held by female members such as:

1. Chief Account Officer
2. Registrar
3. Head of Department CSE
4. Head of Center Support Cell

File Description	Documents
Annual gender sensitization action plan	https://www.akgec.ac.in/institutional-values-and-social-responsibilities/
Specific facilities provided for women in terms of:a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	https://www.akgec.ac.in/institutional-values-and-social-responsibilities/

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation measures   Solar energy Biogas plant Wheeling to the Grid   Sensor-based energy conservation Use of LED bulbs/ power efficient equipment

A. 4 or All of the above

File Description	Documents
Geo tagged Photographs	View File
Any other relevant information	View File

7.1.3 - Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management Waste recycling system Hazardous chemicals and radioactive waste management

Solid waste management: Pollution from waste is aesthetically unpleasing and results in large amounts of litter in our communities which can cause health problems. Solid waste can be categorized into three types: biodegradable, non-biodegradable and hazardous waste. Bio-degradable wastes include food wastes, canteen waste, wastes

from toilets etc.

Liquid waste management: Liquid waste generated from canteen, laundry, and toilet is segregated as well as disinfected and let out as effluent into a common drainage facility. This liquid waste effluent could trigger various infections and can cause disease outbreaks among the people, if they end up in the local water bodies.

E-waste management:

The e-waste includes out of order equipment or obsolete items like lab instruments, circuits, desktops, laptops and accessories, printer, charging and network cables, Wi-fi devices, cartridges, sound systems, display units etc.

Hazardous chemicals and radioactive waste management: Waste management is given high priority. The recyclable garbage waste and non- recyclable wastes are dumped in separate and specified containers / dustbins. A separate agency with specialized expertise in waste collection and disposal has been hired for waste collection on a daily basis and disposes off recyclable and non-recyclable wastes as per established norms.

File Description	Documents
Relevant documents like agreements / MoUs with Government and other approved agencies	[View File](#)
Geo tagged photographs of the facilities	[View File](#)

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus	A. Any 4 or all of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Any other relevant information	View File

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows: 1. **Restricted entry of automobiles** 2. **Use of bicycles/ Battery-powered vehicles** 3. **Pedestrian-friendly pathways** 4. **Ban on use of plastic** 5. **Landscaping**	A. Any 4 or All of the above

File Description	Documents
Geo tagged photos / videos of the facilities	View File
Various policy documents / decisions circulated for implementation	View File
Any other relevant documents	View File

7.1.6 - Quality audits on environment and energy are regularly undertaken by the institution

7.1.6.1 - The institutional environment and energy initiatives are confirmed through the following 1.Green audit 2. Energy audit 3.Environment audit 4.Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities	B. Any 3 of the above

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	View File
Certification by the auditing agency	View File
Certificates of the awards received	View File
Any other relevant information	View File

7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment 5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading	B. Any 3 of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Policy documents and information brochures on the support to be provided	View File
Details of the Software procured for providing the assistance	View File
Any other relevant information	View File

7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities (within 200 words).

1. Pledge on Rashtriya Ekta Diwas: 143th Birthday of Sardar Vallabh Bhai Patel is being celebrated as "RashtriyaEktaDiwas" Pledge Day. All faculty, staff and students wherever present take the oath on the sound of the hooter.

2. Communal Harmony Week: Communal Harmony is the most precious jewel in the crown of mother India, and to maintain this grandeur of our national pride, under the guidelines of the Ministry of Home Affairs, the college observes the Communal Harmony Campaign and Fund Raising Week from 19-25 November every year.

3. Anti-Ragging Awareness Drive: InCognizance to its status of No Ragging Campus, AKGEC conducted the annual anti-ragging drive KIRAN (Kaho India Ragging AurNahin) with the objective of spreading anti ragging message amongst the students.

4. Human Values and Professional Ethics workshop: AKGEC Regional Center is envisioned to promote value education in the college as well as in adjoining institutions to inculcate value-education as an integral part of life. Ajay Kumar Garg Engineering College (AKGEC), Ghaziabad, was nominated as one of the five nodal centres by AKTU (the then UPTU, Lucknow), during Sep 2015.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	[View File](#)
Any other relevant information	[View File](#)

7.1.9 - Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens

1. **International Yoga day:** Ajay Kumar Garg Engineering College celebrated the International Yoga Day on 21 June every year. All Heads of Department, Deans, faculty and staff performed various yoga exercises under guidance of Dr. Brij Pal, Zonal Head (East Zone) Patanjali Yog Samiti, Ghaziabad.
2. **Pledge for New India:** As directed by the University Grants Commission (UGC), the institution today held a 'New India Pledge' taking ceremony in commemoration of the 75th year of Quit India Movement.

1. **Blood Donation Camp and Poster making competition:** College, keeping with its policy of commitment towards society and to sensitize the students accordingly, organized its annual Blood Donation Camp every year in collaboration with Rotary Club Sahibabad &Vardaan.
2. **National Voter's Day:** On National Voter's day i.e. 25th Jan

each students of the college take appropriate oath as received from election officer in respective class room.

3. **Human Values and Professional Ethics workshop and Faculty Development program:**

Dr APJ Abdul Kalam Technical University established a 'Value Education Cell' and motivated affiliated institutions to develop institutional level VE Cells in a systematic effort to coordinate value education efforts at the university.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	https://www.akgec.ac.in/institutional-values-and-social-responsibilities/
Any other relevant information	https://www.akgec.ac.in/institutional-values-and-social-responsibilities/

7.1.10 - The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard. The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff 4. Annual awareness programmes on Code of Conduct are organized	**A. All of the above**

File Description	Documents
Code of ethics policy document	View File
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims	View File
Any other relevant information	View File

7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals

1. College celebrates important days such as Independence Day, Republic day with patriotic fervor to make the dream of a new tomorrow come true. Various competitions are conducted as part of Independence Day such as essay writing and poster making competition.

2. Various festivals such as Holi, Garba, Diwali etc., are celebrated on the campus.

3. Students organize and participate in competitions, cultural events and Institutional fests through various departmental Clubs.

4. Basant Panchami is also celebrated every year. All faculty and staff along with their families and parents of students visited the Faith Centre of the College to seek blessings of MaaSaraswati. Amidst the recital of heart touching Shlokas played in dedication to MaaSaraswati. Atmosphere of devotion and reverence to MaaSaraswati continued throughout the day.

5. As directed by the University, the institution held 'New India Pledge' taking ceremony in commemoration of the 75th year of Quit India Movement. The students, staff and faculty pledged to build a new and clean India.

6. Teachers Day is celebrated to mark birth anniversary in of Dr. SarvepalliRadhakrishnan.

7. Engineers' Day is celebrated every year remembering the engineering excellence of Sir

Mokshagundam Visweswaraiah.

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	[View File](#)
Geo tagged photographs of some of the events	[View File](#)
Any other relevant information	[View File](#)

02-02-2023 09:36:00

7.2 - Best Practices

7.2.1 - Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual.

1. **AKGEC SKILLS FOUNDATION:**
   1. **Centers of Excellence:**

The College has established various centers of excellence such as Industrial Robotic Training Centre ,NI-LabView Academy, Centre of Competence in Automation Technologies etc.

1. **Industrial Training**

The college provides various short and long term internship opportunities to students in Robotics, automation, welding, manufacturing etc.

1. **Infosys Campus Connect Program**

The campus connect program is run by the T & P department which is conducted by Infosys. This program helps students in acquiring skills related to the IT industry.

1. **Personality Development Program**

The college has introduced a well structured 100 hours Personality Development Program conducted on weekends by a professional agency.

1. **Cloud Computing Cell**

Cloud Computing Cell has been a part of Ajay Kumar Garg Engineering College since February 2016.

1. **Open Source Software R&D center**

The facility so created shall be useful to carry out research/development/training/consultancy related to open source software.

Best Practice 2

Title of the Practice: Mentorship Program

02-02-2023 09:36:00

Efforts have been made to identify and pay special attention to weak students by way of engaging them with bright students providing extra doubt clearing sessions through the mentorship program. The poor quality and professional competence of engineering graduates has lead to increasing unemployment.

File Description	Documents
Best practices in the Institutional website	https://www.akgec.ac.in/7-2-best-practices/
Any other relevant information	https://www.akgec.ac.in/7-2-best-practices/

7.3 - Institutional Distinctiveness

7.3.1 - Portray the performance of the Institution in one area distinctive to its priority and thrust within 200 words

Modernized Lecture Theatres are equipped with multimedia projectors, chalk- boards and microphone & speaker facility.We have 87 lecture theatres out of which 68 are well equipped with Smart boards. This lends flexibility in teaching which enhances the teaching-learning process and leads to better performance by students in all internal and external examinations.

Research and Industrial Consultancy Centre (RICC) has been established in the college to promote industrial consultation and extend consultancy and Research as per industry needs. The students are regularly given assignments and projects to hone their aptitude for research.

At the Institute level many Centers of Excellences have been established. The main focus of the institute towards setting up these centers is to encourage students to equip themselves with next generation technologies by help of different industries. It also helps in promoting Industry oriented teaching learning. By availing these facilities students can be effectively trained to meet industry expectations with highly skilled technical manpower.

The Cloud Computing cell provides a platform for learning AWS cloud services, develops and manages private cloud environments and helps students to boost their learning about latest technological trends. The cell is also promoting research work in the field of cloud computing.

File Description	Documents
Appropriate web in the Institutional website	[View File]()
Any other relevant information	[View File]()

7.3.2 - Plan of action for the next academic year

So many efforts are being made for the past few years to change the Teaching – Learning environment into activity-based learning. Following are the methods adopted to transform the academic environment:

Modernized Lecture Theatres are equipped with multimedia projectors, chalk- boards and microphone & speaker facility.We have 87 lecture theatres out of which 68 are well equipped with Smart boards. Audio Visual aids are applied to accelerate the learning process. To enable the students to delve deeper in the ocean of wisdom, Extension Lectures, National Seminars, Workshops, Panel Discussions and Open Forum Discussions are organized by various departments.

Interfaces with Alumni are arranged to broaden the outlook and acquaint the students with latest streams of thought in their subject.

Research and Industrial Consultancy Centre (RICC) has been established in the college to promote industrial consultation and extend consultancy and Research as per industry needs.The students are regularly given assignments and projects to hone their aptitude for research.

AKGEC International Journal of Technology Journal aims to provide platform to researchers, academicians, developers, industry experts and authors interested in state-of-the art and state-of-the-practice activities via publishing their research-based papers, articles and case studies.