



YEARLY STATUS REPORT - 2022-2023

Part A

Data of the Institution

1.Name of the Institution	
	AJAY KUMAR GARG ENGINEERING COLLEGE
• Name of the Head of the institution	Dr. Hemant Ahuja
• Designation	Director
• Does the institution function from its own campus?	Yes
• Phone no./Alternate phone no.	9899008275
• Mobile no	9899008275
• Registered e-mail	director@akgec.ac.in
• Alternate e-mail	ahujahemant@akgec.ac.in
• Address	27th Km Milestone, Delhi-Meerut Expressway,
• City/Town	Ghaziabad
• State/UT	Uttar Pradesh
• Pin Code	201015
2.Institutional status	
• Affiliated /Constituent	Affiliated
• Type of Institution	Co-education
• Location	Urban

• Financial Status	Self-financing																		
• Name of the Affiliating University	Dr. A. P. J. Abdul Kalam Technical University																		
• Name of the IQAC Coordinator	Dr. Neelesh Kumar Gupta																		
• Phone No.	9826191439																		
• Alternate phone No.	8319563978																		
• Mobile	9826191439																		
• IQAC e-mail address	iqac@akgec.ac.in																		
• Alternate Email address	guptaneelesh@akgec.ac.in																		
3.Website address (Web link of the AQAR (Previous Academic Year)	https://www.akgec.ac.in/aqar-2021-2022/																		
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																			
<table border="1"> <thead> <tr> <th>Cycle</th> <th>Grade</th> <th>CGPA</th> <th>Year of Accreditation</th> <th>Validity from</th> <th>Validity to</th> </tr> </thead> <tbody> <tr> <td>Cycle 1</td> <td>B</td> <td>2.79</td> <td>2015</td> <td>03/03/2015</td> <td>02/03/2020</td> </tr> <tr> <td>Cycle 2</td> <td>A++</td> <td>3.53</td> <td>2023</td> <td>19/05/2023</td> <td>18/05/2028</td> </tr> </tbody> </table>		Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to	Cycle 1	B	2.79	2015	03/03/2015	02/03/2020	Cycle 2	A++	3.53	2023	19/05/2023	18/05/2028
Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to														
Cycle 1	B	2.79	2015	03/03/2015	02/03/2020														
Cycle 2	A++	3.53	2023	19/05/2023	18/05/2028														
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
AKGEC/CSE/Dr . Sonam Gupta	UPCST Funding Scheme	UPCST	2020-21	Rs 10.44 Lakhs
AKGEC/ME/Dr. Pradeep Jain	Visvesvaraya Research Promotion Scheme	Visvesvaraya Research Promotion Scheme	2020-21	Rs 4.35 Lakhs
AKGEC/ME/Dr. Ajay Pratap Singh	UPCST Funding Scheme	UPCST	2022-23	Rs 60,000

8. Whether composition of IQAC as per latest NAAC guidelines	Yes		
<ul style="list-style-type: none"> Upload latest notification of formation of IQAC 	View File		
9.No. of IQAC meetings held during the year	4		
<ul style="list-style-type: none"> Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website? 	Yes		
<ul style="list-style-type: none"> 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		
<ul style="list-style-type: none"> If yes, mention the amount 			

11. Significant contributions made by IQAC during the current year (maximum five bullets)
1. Quality Enhancement Programs: IQAC has initiated and overseen various quality enhancement programs aimed at improving the overall academic experience for students and faculty members. These programs include workshops on modern teaching methodologies, research fundamentals, pedagogical training sessions, and initiatives to

integrate emerging technologies into the curriculum. 2. Faculty and Staff Development: IQAC has organized numerous training programs and workshops for faculty and staff members, focusing on enhancing their teaching skills, research capabilities, and administrative competencies. These capacity-building initiatives aim to ensure that AKGEC's faculty and staff are equipped with the necessary skills to deliver high-quality education and support services. 3. Skill Development Initiatives: The IQAC at AKGEC has implemented skill development initiatives aimed at enhancing the employability of students. These initiatives include industry-relevant certification programs, hands-on workshops, and internships that provide students with practical exposure and skill acquisition opportunities aligned with current industry demands. 4. Value Education Programs: In addition to academic excellence, AKGEC's IQAC emphasizes value education to cultivate well-rounded individuals with strong ethical values. Through seminars, guest lectures, and community service projects, students are encouraged to develop qualities such as integrity, empathy, and social responsibility, fostering a culture of ethical leadership and compassionate citizenship within the campus community. 5. Placement Preparation Programs: The IQAC at AKGEC has instituted comprehensive placement preparation programs to ensure students are well-equipped for the competitive job market. These programs include mock interviews, resume workshops, and soft skills training sessions designed to enhance students' communication abilities, problem-solving skills, and overall employability. Additionally, the IQAC collaborates closely with industry partners to provide insights into current market trends and job requirements, facilitating successful placements for AKGEC students. In summary, IQAC's contributions at AKGEC during the current year reflect a comprehensive approach to quality assurance and enhancement, encompassing various aspects of academic and administrative functioning.

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
E-content development & Live classes online	Students were benefited by live online sessions for exam preparations. The e-content developed helped the students in preparing well for exams by referring to e-content at their convenient time and place.
Enhancing infrastructure and	Upgraded infrastructure and

facilities to support holistic student development and academic excellence.	facilities, providing students with conducive learning environments and modern amenities. New smart boards were installed in New LT blocks making all classroom of the college ICT enabled.
Audit of teaching learning process	Uniform and systematic format of course files and lecture delivery notes.
Conducting faculty development programs to upgrade teaching methodologies and enhance subject expertise.	Increased faculty participation in professional development activities, resulting in enhanced pedagogical skills and subject knowledge.
Organizing workshops and seminars on emerging technologies and industry trends to align curriculum with industry requirements.	Higher placement rates and better career prospects for students due to industry-aligned curriculum and skill development initiatives.
Strengthening research and innovation activities through incentives, consultancies and collaborative projects.	Growth in research output and innovation, as evidenced by an increase in publications, patents, and funded projects.
Fostering collaborations with industries and research institutions to promote experiential learning and industry-academia partnerships.	Strengthened industry partnerships, leading to internships, collaborative projects, and enhanced industry exposure for students.
Initiating value education programs to instill social responsibility and ethical values among students.	Positive impact on the students through various value education programs, demonstrating AKGEC's commitment to social responsibility and value-based education.
13. Whether the AQAR was placed before statutory body?	Yes
<ul style="list-style-type: none"> Name of the statutory body 	

Name	Date of meeting(s)
Academic Council	28/02/2024

14. Whether institutional data submitted to AISHE

Year	Date of Submission
2023	10/02/2023

15. Multidisciplinary / interdisciplinary

At Ajay Kumar Garg Engineering College, we have successfully embraced multidisciplinary and interdisciplinary approaches to education and research. Through proactive initiatives and strategic planning, AKGEC has positioned itself in fostering collaboration, innovation, and holistic learning experiences across academic boundaries. By offering honours and minors inline with the AKTU guidelines, that integrate concepts from different disciplines, AKGEC empowers students to develop a comprehensive understanding of complex issues and solutions. Our faculty members actively collaborate across departments to develop interdisciplinary research projects, and initiatives. By fostering cross-disciplinary interactions and knowledge exchange, AKGEC cultivates a culture of innovation and interdisciplinary scholarship among its faculty members. AKGEC encourages students to engage in multidisciplinary projects, clubs, and competitions that promote collaboration and creativity. Through interdisciplinary hackathons, project-based learning experiences, and student-led initiatives, our students gain practical experience in addressing real-world challenges from multiple perspectives. A testimony to this is our outstanding records in SIH22 and 23. AKGEC allocates resources to support interdisciplinary initiatives and projects, including funding, laboratory facilities, and equipment. By investing in interdisciplinary research centers with multi national companies, AKGEC creates opportunities for students and faculty to pursue innovative interdisciplinary work. AKGEC has established partnerships with other institutions and industry to facilitate interdisciplinary collaboration and knowledge exchange. AKGEC offers professional development opportunities for faculty and staff to enhance their skills in interdisciplinary teaching, research, and collaboration. Through workshops, seminars, and training programs, our faculty members develop expertise in interdisciplinary pedagogy, project management, and team-building skills. By organizing outreach events, information sessions, and promotional campaigns, AKGEC highlights the benefits of multidisciplinary education and research,

encouraging greater participation from students, faculty, and stakeholders. Through these efforts, AKGEC has successfully embraced multidisciplinary and interdisciplinary approaches, fostering innovation, collaboration, and holistic learning experiences for its students and faculty. As a result, AKGEC continues to excel as a hub for interdisciplinary education and research, contributing to the advancement of knowledge and the development of future leaders in diverse fields.

16.Academic bank of credits (ABC):

The Academic Bank of Credits (ABC) is a system designed to enable the accumulation and transfer of academic credits across different educational institutions, promoting academic mobility and recognizing academic achievements. As an affiliated institute of Dr. A.P.J. Abdul Kalam Technical University (AKTU), Lucknow, AKGEC is part of this system, which requires students to create an ABC ID for seamless credit transfer. This requirement aligns with AKGEC's commitment to supporting its students' academic progress and ensuring flexibility in transferring credits across institutions within the AKTU framework.

In compliance with a university circular (reference letter No. AKTU/COE/2023/478 dated November 3, 2023), AKGEC required all students to create an ABC ID, as it was a prerequisite for submitting examination forms. A detailed flowchart outlining the steps to create the ABC ID was provided to guide students through the process. If students needed assistance, they could contact the Registrar's Office for support.

The institution encouraged students to complete their ABC ID registration promptly to avoid disruptions in their academic journey, allowing them to focus on their studies without unnecessary stress. By embracing the ABC system, AKGEC demonstrated its commitment to facilitating academic credit transfer and supporting the broader goals of academic flexibility and mobility for its students.

17.Skill development:

AKGEC stands as the sole institution in the country with the distinction of having 12 Centers of Excellence (COEs) approved by the DST. These centers represent the forefront of technology and cover a wide range of domains. Equipped with state-of-the-art facilities, they provide advanced training, prototyping, testing, and measurement capabilities in areas like Automation, Robotics, Manufacturing, and the Automotive sector. This includes specialties

such as CNC and Robotic Machining, Manual and Robotic Welding, Thermal, Plasma, and Laser Cutting, Destructive and Non-Destructive Testing, Measurement and Metrology, Industrial Pneumatics, Hydraulics, PLCs, Drives, Mechatronics, and 3D Printing. The institution has also established a Skill Development Centre in partnership with the National Skill Development Corporation (NSDC), further enhancing its capabilities. Notably, the Measurement and Metrology Centre has earned accreditation from NABL.

These COEs extend internationally recognized certifications for their comprehensive training programs. In the past academic year alone, they successfully conducted 33 industrial training programs, ranging from 40 to 160 hours in duration, certifying more than 472 students. Beyond the student body, these centers have also imparted their expertise to over 2000 external candidates. This includes corporate professionals from esteemed organizations such as Indian Railways, Indigo Airlines, IIT Delhi, Honda R&D, Jindal Stainless, Jaquar, KUKA, Tata Automation Ltd., TVS Motors, Ashok Leyland, among many others.

Moreover, AKGEC Ghaziabad is not only recognized for its excellence in technical education but also for its commitment to staying at the forefront of emerging technologies. In addition to providing a strong foundation in traditional engineering disciplines, AKGEC actively imparts training to undergraduate and postgraduate students on cutting-edge technologies.

Students from various disciplines express keen interest in learning emerging techniques such as Artificial Intelligence, Machine Learning, Big Data, Cloud Computing, IoT, Embedded Systems, and Robotics. To cater to this demand and prepare students for the future, AKGEC offers specialized training programs and opportunities for hands-on experience through summer and industrial internships.

Through these initiatives, AKGEC ensures that its students are equipped with the latest knowledge and skills required to thrive in the rapidly evolving technological landscape. By integrating emerging technologies into its curriculum and practical training, AKGEC remains dedicated to nurturing the next generation of innovators and technologists.

In addition to these accomplishments, AKGEC holds the distinction of being the sole institution in Uttar Pradesh to receive approval for the establishment of a Common Facility Center (CFC) under the One District One Product (ODOP) scheme of the Government of UP. This state-of-the-art facility, serves as a hub for high-end engineering

product development for local industries. It encompasses modern tool rooms, material testing labs, R&D facilities, and an Industry 4.0 lab. This initiative showcases AKGEC's commitment to fostering innovation and development in the region's industrial landscape.

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

At AKGEC, we have already integrated subjects related to IKS, including Human Values, Traditions, Culture, and the Constitution of India, into our curriculum provided by AKTU. Additionally, the College is in the process of initiating certificate courses related to Indian knowledge systems, both in offline and online modes. We also have plans to provide technical education and knowledge.

The Indian Knowledge System is further reinforced at AKGEC through the organization of various technical and extracurricular events by different Clubs, Departmental Societies, and Extracurricular Activity Teams. AKGEC's commitment to fostering personal transformation among faculty, staff, and students has earned it the distinction of being nominated as a Nodal Centre for VE by AKTU. Notably, AKGEC stands as the sole college where every faculty member is required to complete an essential 8-day course in Human Values and Professional Ethics. Additionally, many faculty members have pursued advanced courses in Universal Human Values, exemplifying the institution's dedication to this crucial facet.

Aligned with its core values, AKGEC established the Value Education Cell (VE Cell) over a decade ago under the guidance of AKTU. This cell serves as a platform for integrating value education into the fabric of daily life. Students are integral to the VE Cell, contributing to a range of administrative responsibilities, including the organization of evening workshops, online webinars, Earth Day celebrations, and the engaging "Quiz of the Week." Drishti, a captivating video-based event, evaluates participants' perceptions through the lens of holistic wisdom. Beyond its campus, AKGEC's Regional Center extends its vision by promoting value education not only within the college but also in nearby institutions. This endeavor aims to ingrain value education as an indispensable part of life.

In recognition of its steadfast commitment, AKGEC Ghaziabad, emerged as one of AKTU's five nodal centers in September 2015. This distinction marked AKGEC's dedication to disseminating value education. The establishment of the Value Education Cell further solidified the college's aspiration to foster relationships that

promote mutual happiness among fellow human beings and mutual prosperity with the rest of nature. AKGEC's efforts transcend traditional education, aiming to shape individuals who are not only knowledgeable in their chosen fields but also equipped with the values that lead to holistic well-being and harmonious coexistence. This enduring commitment to value education underscores the college's role in nurturing individuals who contribute positively to both their personal lives and society at large.

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

At AKGEC, we place a strong emphasis on Outcome-Based Education as an integral part of our academic framework. Our affiliation with APJ Abdul Kalam Technical University (AKTU), Lucknow, ensures that our AICTE approved programs adhere to the prescribed curriculum while various departments actively contribute to the University-level Board of Studies (BoS). Through this collaboration, we design course outcomes for all the courses and provide valuable feedback to AKTU, contributing to curriculum enhancements.

Moreover, we have strengthened our curriculums in alignment with OBE principles, incorporating additional theory topics and lab experiments across all departments. To ensure faculty and staff are well-versed in OBE guidelines and practices, we conduct dedicated workshops, seminars, and encourage enrollment in OBE-related NPTEL courses. Our commitment to OBE is further evidenced by the preparation of a Course Correlation Chart, showcasing the alignment of courses with Program Outcomes (POs) and Program Specific Outcomes (PSOs).

Furthermore, in line with NEP 2020 recommendations, our eligible undergraduate programs are already accredited by the NBA, with plans for the remaining undergraduate programs to seek accreditation once eligibility criteria are met. We are also proactively working towards accreditation for our MCA program.

In summary, our focus on Outcome-Based Education underscores our dedication to providing quality education that prepares students for real-world challenges and fosters continuous improvement in our academic programs.

20.Distance education/online education:

In its commitment to enhancing the quality of education and embracing online learning, AKGEC has established a Digital Studio equipped with cutting-edge video and audio recording facilities. This studio utilizes state-of-the-art hardware and software to

facilitate the recording of lectures, live streaming of events, and conducting interviews.

To ensure easy access to digital content for students and the academic community, and to serve as a repository for content generated through the studio, the 'AKGEC Digital School' YouTube channel was launched on 8th July 2020.

The AKGEC Digital School channel hosts over 2000 recorded and uploaded lectures covering various subjects across different engineering disciplines, accumulating a total watch time of approximately 27,000 hours. These lectures have received widespread appreciation from viewers, with the channel currently boasting nearly 236,000 views and over 2600 subscribers.

Extended Profile

1.Programme

1.1	1322
Number of courses offered by the institution across all programs during the year	

File Description	Documents
Data Template	View File

2.Student

2.1	5068
Number of students during the year	

File Description	Documents
Institutional Data in Prescribed Format	View File

2.2	459
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	1146
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Number of outgoing/ final year students during the year		
File Description	Documents	
Data Template	View File	
3.Academic		
3.1		268
Number of full time teachers during the year		
File Description	Documents	
Data Template	View File	
3.2		268
Number of sanctioned posts during the year		
File Description	Documents	
Data Template	View File	
4.Institution		
4.1		94
Total number of Classrooms and Seminar halls		
4.2		2153.61
Total expenditure excluding salary during the year (INR in lakhs)		
4.3		1649
Total number of computers on campus for academic purposes		

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

Ajay Kumar Garg Engineering College, Ghaziabad, affiliated with Dr. A.P.J. Abdul Kalam Technical University, Lucknow, is committed to delivering quality education in engineering and technology. The college offers AICTE-approved B.Tech. programs in twelve

disciplines, M. Tech programs in four disciplines, and MCA program. Ensuring instructional standards, IQAC plays a pivotal role in curriculum delivery. The institute meticulously plans each academic semester, adhering to the AKTU calendar. A master timetable is created after subject allocation, approved by Heads of Departments (HoDs). The lecture-wise schedule is closely monitored by the IQAC team to maintain consistency. Faculty members prepare subject course files, encompassing various elements like Quality Policy, Academic Calendar, and Lesson Plans. The college has seamlessly transitioned to online platforms such as Google Meet and Edumarshal Portal. Students are acquainted with the syllabus, teaching methodologies, and departmental activities. The college organizes guest lectures, industry visits, and departmental society activities to align education with industry demands. Equipped with smart boards and ICT facilities, the institute ensures efficient curriculum delivery. Attendance is monitored through the Edumarshal portal, and continuous evaluation includes three internal tests. Feedback from stakeholders is gathered, and corrective actions are taken to enhance the learning experience.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	https://drive.google.com/file/d/1v8lKwugxkNVzNlcl5C-Mgc30wNvhncYt/view?usp=drive_link

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

The college meticulously aligns its academic schedule with the university calendar. The academic calendar, crafted through collaborative discussions in HoDs meetings with the Director, encompasses key events and is available on the college website for stakeholders. All academic activities, including lesson plans, classes, and internal examinations, are meticulously scheduled in adherence to the academic calendar. Monthly and overall attendance analyses are conducted through the Edumarshal portal, ensuring continuous internal evaluation for both faculty and students.

The institute employs a Centralized Internal Examination system which ensures the alignment of all exam related activities as per the academic calendar. With three internal exams per semester, students' progress is continuously monitored, and suitable actions are taken based on performance. Proactive measures include

conducting remedial classes for struggling students and special bridge classes for second-year B.Tech lateral entry students. Practical exposure is emphasized through lab experiments beyond the syllabus, evaluated through grading and internal viva voce exams.

Parents receive regular updates on their wards' performance and attendance. The semester concludes with end-semester examinations, aligning with university guidelines and ensuring students meet the required 75% attendance criteria. In addition to academic rigor, the institute plans various activities such as guest lectures, workshops, industry visits, and felicitations in harmony with the academic calendar, fostering a holistic learning environment.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	https://drive.google.com/file/d/1QaLUDpWzQYBAuwMm9UUIH1e4gipF611p/view?usp=drive_link

1.1.3 - Teachers of the Institution participate in B. Any 3 of the above 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

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

17

File Description	Documents
Any additional information	No File Uploaded
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)**

55

File Description	Documents
Any additional information	No File Uploaded
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

2613

File Description	Documents
Any additional information	No File Uploaded
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 College is committed to integrating crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment, and

Sustainability into its curriculum. The college's curriculum extends beyond technical knowledge, emphasizing ethical, social, and environmental responsibility. Courses on Professional Ethics & Human Values nurture a sense of morality and professionalism among students, while subjects like the Constitution of India, Law, and courses on Indian Tradition, Culture, and Society cover legal and cultural aspects.

Moreover, programs like B.Tech incorporate elements such as Professional Communication Lab, Soft Skills, and Universal Human Values to enhance interpersonal skills. The institution upholds gender and social equality, promoting an inclusive environment through initiatives like the Students Grievance Committee to address issues and ensure a positive atmosphere for all students.

To address environmental concerns, the curriculum includes courses on Environmental Engineering and related topics. The college's commitment to sustainability is reflected in its eco-friendly infrastructure, featuring maintenance-free buildings, rainwater harvesting systems, and a sewage treatment plant that recycles water for horticulture.

Furthermore, the institution prioritizes resource conservation through measures like automatic water dispensers, solar water heaters, and a rooftop solar power plant. Fossil fuel conservation is achieved through optimized vehicle usage and coordinated trips so onwith government norms.

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

195

File Description	Documents
Any additional information	No File Uploaded
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	No File Uploaded
Institutional Data in Prescribed Format	View File

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

3697

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-2022-23/
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

A. Feedback collected, analyzed and action taken and feedback available on website

File Description	Documents
Upload any additional information	View File
URL for feedback report	https://www.akgec.ac.in/feedback-system-2022-23/

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

1291

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

497

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

The college places a strong emphasis on assessing the learning levels of students and tailoring special programs to meet their

needs, whether they are advanced or slow learners.

Assessment of students' learning levels is not only based on their performance in internal and external examinations but also on their interactions with faculty members in class and laboratories. Close monitoring allows for the identification of slow learners, and appropriate measures are taken to assist them while simultaneously encouraging advanced learners.

For slow learners, the institution offers several programs as part of the academic process, including:

- Buddy Program
- Mentorship Program
- Extra/Special Classes for lateral entry students
- Extra Classes for slow learners conducted by Faculty Members

To encourage bright students, awards and rewards are given to those with the highest marks in internal and external examinations. Advanced learners are motivated to join various departmental societies that foster activity-based learning. These societies aim to conduct technical seminars, competitions, webinars, etc., at the national or international level, providing advanced learners with opportunities for further growth and development.

Overall, the college is dedicated to ensuring that every student receives the support and encouragement needed to excel academically and reach their full potential.

File Description	Documents
Paste link for additional information	https://www.akgec.ac.in/wp-content/uploads/2023/12/2.2.1-Additional-Documents-22-23.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
5068	268

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

Student-centric methods, such as experiential learning, participative learning, and problem-solving methodologies, are integral to enhancing the learning experiences of students at our college. Experiential learning is facilitated through various avenues, including lab experiments, the Cloud Computing Cell, the Research and Industrial Consultancy Centre (RICC), virtual laboratories, the Software Incubator, and the Big Data Centre of Excellence. Additionally, students benefit from industrial internships, guest lectures by industrial experts, industrial visits, sharing of experiences by faculty members with industrial backgrounds, and project work in 12 advanced technical Centers of Excellence.

Participative learning is fostered through engagement in various student societies, including departmental technical societies like Conatus, Nirmaan, Oorja, Phoenix, and Samveg, as well as extra-curricular societies such as Euphony, Footprints, Horizon, Goonj, Renaissance, Taal, and Verve. Moreover, student chapters like CSI (Computer Society of India), ISTE, SAE India, and IEEE, with IEEE student chapters, provide additional avenues for involvement.

Problem-solving methodologies are emphasized through activities such as conducting quizzes using Google Forms, encouraging students to enroll in MOOC courses, and organizing alumni talks and guest lectures.

These student-centric approaches create an engaging and interactive learning environment, empowering students to develop essential skills and competencies needed for success in their academic and professional pursuits.

File Description	Documents
Upload any additional information	View File
Link for additional information	https://www.akgec.ac.in/wp-content/uploads/2023/12/2.3.1Additional-document-.pdf

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

Teachers at our institution leverage ICT-enabled tools to enhance the teaching-learning process, ensuring a dynamic and interactive educational experience.

Modernized lecture theatres equipped with multimedia projectors, chalkboards, and microphone & speaker facilities facilitate effective delivery of content. All classrooms have dedicated Internet connections, enabling seamless access to online resources.

Smart boards are installed in all the classrooms and seminar halls to revolutionize traditional teaching methods. These boards foster student-teacher interaction, encourage real-time teaching with audio and video lessons and multimedia presentations. They also facilitate the creation of web-based teaching and learning platforms for educators and students.

The Google Classroom serves as a versatile platform for course management, allowing educators to create personalized online learning environments. Faculty members utilize Google Classroom for sharing lecture materials, assignments, and video lectures, fostering collaborative learning.

Additionally, model solutions for internal and university exams are available in both soft and hard copies in the college library and shared with students. Faculty members also record lectures at the AKGEC Digital Studio, ensuring accessibility through the institution's YouTube channel after rigorous quality review.

These ICT-enabled tools empower educators to deliver engaging and comprehensive instruction while providing students with diverse learning opportunities tailored to their needs.

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

261

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

268

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

92

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

1800 Years 7 Months

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 college has a robust and transparent mechanism for internal assessment, centrally managed by the Examination Cell. The internal evaluation system includes various assessments, such as Class Tests (CT), Teachers Assessment (TA), Sessional Tests (ST) and Pre-University Tests (PUTs), each with specific marks allocation and coverage across academic years.

Question papers for internal exams are meticulously prepared at least one week in advance, following consultations with faculty members teaching the respective subjects. The papers undergo rigorous review by faculty experts for quality, format, and alignment with Blooms' Taxonomy, ensuring standardization and fairness. Subsequently, the Departmental Head provides additional oversight, ensuring the integrity and relevance of the assessments.

This transparent and systematic approach to internal assessment promotes fairness, consistency, and academic rigor, contributing to the overall academic excellence of the institution.

File Description	Documents
Any additional information	View File
Link for additional information	https://www.akgec.ac.in/wp-content/uploads/2023/12/2.5.1and-2link-for-additional-infor.pdf

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

The college maintains a transparent, time-bound, and efficient mechanism to address internal examination-related grievances. During the examination period, students can contact the college examination cell to raise any issues or grievances. These concerns are promptly addressed with the highest priority, ensuring transparency and resolution.

For internal examinations, student late entry is not permitted after 30 minutes of the exam's start. However, genuine cases are considered under the direction of the Dean Examinations and the respective Department Head, demonstrating a fair and accommodating approach.

Regarding University examination grievances, the process is similarly structured for transparency and efficiency. The University issues a draft of the date sheet well in advance on its portal, allowing colleges to thoroughly review it for any discrepancies. Once all colleges confirm the accuracy of the date sheet, the final version is published on the University website.

Late entry in external examinations is permitted only in genuine cases after 30 minutes of the exam's commencement, with special permission from the center superintendent. This strict yet fair policy ensures the integrity and smooth conduct of examinations while accommodating genuine student needs. UFM policy is in place to deal with the unfair means cases in internal as well as external examinations

File Description	Documents
Any additional information	View File
Link for additional information	https://www.akgec.ac.in/wp-content/uploads/2023/12/2.5.1and-2link-for-additional-infor.pdf

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.

The institution adheres to Outcome Based Education (OBE) principles by clearly defining and communicating Program Outcomes (POs), Program Specific Outcomes (PSOs), and Course Outcomes (COs) for all offered programs. These outcomes are meticulously formulated by the respective departments in consultation with faculty and stakeholders, ensuring alignment with industry requirements and educational standards.

Once consensus is achieved, the outcomes are widely disseminated and advertised through various channels, including the institution's website, curriculum, laboratory displays, department notice boards, student induction programs, course files, as well as through the library. Faculty members, class teachers, and mentors actively inform students about these outcomes, emphasizing their importance and the need for attainment.

Furthermore, COs, POs, and PSOs are readily accessible on the institute's website, providing transparency and accessibility to all stakeholders. This comprehensive approach ensures that students, faculty, and other stakeholders are well-informed and aligned with the institution's educational objectives, fostering a culture of continuous improvement and excellence.

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	https://www.akgec.ac.in/igac/#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.

The college employs a rigorous process to evaluate the attainment of Programme Outcomes (POs) and Course Outcomes (COs) to ensure quality education delivery.

For CO attainment, both direct and indirect evaluations are conducted based on students' performance in internal and external examinations throughout the semester. Each exam corresponds to specific units covered and extracts relevant CO attainments. Faculty members teaching the subject in their respective sections calculate CO attainments, which are then averaged across all sections to determine the final CO attainment for that subject. These attainments are converted into levels, with level 3 assigned if 60% of students score more than 40% marks, and proportional levels assigned otherwise. The final CO attainment is calculated by proportionally combining internal and external CO attainments for direct & cause exits many for indirect attainments.

For PO attainment, various assessment tools are utilized, including CO attainment results from theory and practical courses (both internal and external assessments) and student feedback. These tools provide direct and indirect assessments to evaluate the achievement of POs and Program Specific Outcomes (PSOs), ensuring a comprehensive evaluation process.

This robust evaluation process ensures that the institution continuously monitors and improves the attainment of POs and COs, ultimately contributing to the quality and effectiveness of the educational programs offered.

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	https://www.akgec.ac.in/wp-content/uploads/2023/12/2.6.2-additional-proof.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

1146

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/2023/08/Sampark-2021-22-.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/students-satisfaction-survey/>

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)

15.39

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	http://www.cst.up.gov.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 college has made significant strides in fostering innovation and research on its campus. In 2018, it established the Institution's Innovation Council (IIC) to drive activities related to innovation, intellectual property rights (IPR), startups, and entrepreneurship. Furthermore, the college has several specialized units aimed at nurturing innovation and entrepreneurship, including the Pre-incubation Unit (FAB lab), Incubation Unit (IDEA lab), and IP Facilitation Unit (IPR Cell).

Distinguished as the sole engineering college in Uttar Pradesh, the institute received approval from the Department of Science and Technology (DST), Government of India, to establish a Centre of Relevance and Excellence (CORE) in Automation & Robotics. Additionally, it has formed 12 Centre of Excellences in collaboration with international industries to advance research, consultancy, project development, and training in emerging technologies.

The institute houses the Software Incubator-SDC, a research and development center, and the "Big Data Centre of Excellence," the first of its kind in AKTU, dedicated to Big Data research. Notably, it secured approval for a Common Facility Centre (CFC) under the One District One Product (ODOP) scheme of the Government of Uttar Pradesh, further enhancing its research and development capabilities. These initiatives underscore the institute's commitment to fostering innovation and research excellence, contributing to technological advancements and socio-economic development.

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

20

File Description	Documents
Report of the event	View File
Any additional information	No File Uploaded
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

1

File Description	Documents
URL to the research page on HEI website	https://www.akgec.ac.in/wp-content/uploads/2024/01/3.3.1_FINAL0.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

114

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

119

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

Our college is dedicated to the ideals of the National Service Scheme, emphasizing student engagement in voluntary social service

for the socio-economic development of our local community and the broader nation.

One of our key initiatives is under the Unnat Bharat Abhiyan, a flagship program by the Ministry of Human Resource Development that connects higher education institutions with rural areas. Our college has adopted five villages in Ghaziabad, Raghunathpur, Sadat Nagar Ikla, Piplehda, Galand, and Kalchhin where we've conducted surveys to identify pressing issues such as the lack of safe drinking water, inadequate school facilities, and computer illiteracy. We've responded with various projects to improve living conditions and enhance educational opportunities.

To support education, we've adopted the "Prathmik Vidyalaya Kazipura," a school in Kazipura Village, providing ongoing maintenance, sports equipment, and computer literacy programs. Similarly, we adopted a Hindu refugee camp in Adarsh Nagar, Delhi.

Additionally, our college operates "Adarsh Vikas Kendra," a primary school on campus that offers free education to children from economically disadvantaged backgrounds. We supply these children with free meals, uniforms, books, and computer training to ensure they have a strong foundation for their future.

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

2

File Description	Documents
Any additional information	No File Uploaded
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

3

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

362

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

65

File Description	Documents
e-copies of related Document	View File
Any additional information	No File Uploaded
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

9

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.

The college campus sprawls across 1,18,313 square meters, occupying 29.24 acres, and has a built-up area of 82,919.21 square meters. Within its department complexes, students benefit from well-appointed laboratories, smart classrooms, department offices, and faculty cabins. The institution takes pride in its cutting-edge computing facilities, interconnecting about total 1,649 computers

through a broadband network.

A standout feature is the state-of-the-art central library, which hosts an extensive collection of 141,614 books and provides reading rooms. The Central Library, spread across 1,465 square meters in two sections, offers a comfortable seating capacity for 344 users. The campus is well-equipped with essential amenities, including Wi-Fi, a canteen, transportation facilities, playgrounds, and power backup. Three computer centers house modern configured computers with an impressive internet speed of 1100 Mbps.

The college accommodates 87 spacious classrooms and tutorial rooms, each capable of seating over 70 individuals and equipped with ICT facilities. Additionally, there are four seminar halls and three conference halls with ICT facilities, along with two meeting rooms featuring LED and Wi-Fi facilities. The institution boasts 55 well-equipped laboratories and workshops, utilized for around 110 lab courses and workshops during both even and odd semesters. An innovation and development center is established, underscoring the college's commitment to fostering creativity.

Furthermore, the college houses 12 Centers of Excellence, departmental societies, contributing to a vibrant academic environment. The library system encompasses a Central Library, eight Departmental Libraries, and five Hostel Libraries.

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 actively supports student participation in both indoor and outdoor games, with eight dedicated coaches. The campus features spacious playgrounds for outdoor activities and suitable facilities for indoor games. Students engage in diverse indoor competitions like chess, table tennis, and badminton, while also actively participating in outdoor sports such as football, volleyball, basketball, cricket, and athletics. The college's extensive playgrounds and high-quality facilities offering students ample opportunities to showcase their skills and passion for various

games.

The institution has established itself as a hub for cultural activities, with students actively organizing and participating in various events. An amphitheater and open space are designated for large cultural gatherings. The college boasts six distinct cultural societies—Taal Society, Euphony Society, Footprints Society, Goonj Society, Verve Society, and Photography Society—that organize diverse events throughout the academic year.

In terms of accommodation, the college offers well-furnished hostel facilities across four complexes: the Junior Girls' Hostel Complex, the Girls' Hostel Complex, the Junior Boys' Hostel Complex, and the Senior Boys' Hostel Complex. The hostels feature both indoor and outdoor sports facilities, including gymnasiums, with a designated gym instructor appointed to guide students on equipment usage and provide healthy tips.

Students have the privilege of utilizing a well-equipped open-air gymnasium on the campus. This facility is designed to provide a conducive environment for physical fitness activities in an open and refreshing setting. Additionally, the college maintains a faith centre with open spaces with ample facilities for meditation and yoga enthusiasts.

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)

741.31

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 Central Library of the college is spread across 1465 sq m in two sections, offering a comfortable reading capacity of 344 users and boasts an invaluable collection comprising text and reference books, journals, e-books, and multimedia resources. Currently, the collection encompasses an impressive one hundred and forty-one thousand six hundred fourteen titles and volumes, covering a spectrum of subjects including Science, Technology, Humanities, and Management. This includes book bank books, with the total book collection reaching 1,41,614, comprising 38,809 books in the lending section, and 1,02,807 in the book bank.

The library is subscribed to a remarkable 505+ E-resources and International Journals, along with an extensive collection of 14,000

E-books and over 106 National Journals. The digital library hosts an impressive assortment of over 5,700 multimedia resources. Additionally, the library meticulously preserves seminar reports, project reports, and student theses. A dedicated section, housing more than 1000 books, focuses on personality development and competitive examination preparation. The library consistently expands its resources, with new additions being a regular feature.

Furthermore, the Central Library subscribes to more than 28 magazines and 11 newspapers, ensuring that students have access to a broad spectrum of current affairs and periodicals.

Library is automated using Koha Integrated Library System (KOHA):

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)

44.14

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

275

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

The college believes in regular up gradation of its IT facilities to keep pace with the changing needs of technology. The IT infrastructure at AKGEC is created taking in to account the requirements of all the stake holders. For proper upkeep and IT support, the college has established a separate department known as

Support Cell. The college provides 24*7 high speed internet connection through optical fiber link (leased line) and Wi-Fi with 208 access points all over the campus. A bandwidth of up to 1000MBPS for LAN and 433 MBPS for WiFi is available to provide high speed internet connectivity. The facility of internet is also available to the student staying in hostels.

For computing purpose, the College has 1649 computer systems, 131 laptops, 21 scanners, 145 printers, 72 LCD projectors, 8 servers and 208 Wi-Fi access points. The complete details of IT infrastructure available as on date is attached. The college has a practice of regular upgrading the computer systems and other IT facilities. Updation done in the last year is also mentioned in the attached sheet. Notwithstanding the above, the college has also established a digital studio with state of the art recording facilities. The studio includes the availability of smart board, video camera as well as document camera for recording of video lectures, along with the other necessary infrastructure. Every classroom in the college has necessary ICT facilities available to ensure an effective teaching and learning environment.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	NIL

4.3.2 - Number of Computers

1649

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)

2153.67

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.

Established Systems and Procedures for Computer Maintenance and Utilization:

1. Computers are procured centrally by the Central Support Cell in response to departmental and sectional requirements.
2. The Central Support Cell of the college assumes responsibility for all computers and IT equipments maintenance.

A dedicated system ensures the regular maintenance and repair of sports complexes and infrastructure within the college. The college Sports Officer serves as the primary advisor to the Dean of Administration for addressing sports-related maintenance requirements.

All classrooms, seminar halls, conference halls, labs undergo daily cleaning, and designated staff ensure the cleanliness of furniture

before the commencement of classes. Electrical switches, fans, etc., are regularly checked and repaired based on requirements. Microphones are distributed to faculty members before each class, with the distribution point adequately stocked with charged batteries and microphones to meet demand.

Library Automation: The library operates with computerized automation using the KOHA library management software. KOHA encompasses modules for acquisition, cataloging, circulation, periodicals, article indexing, and Web OPAC.

A comprehensive maintenance procedure document that outlines the detailed steps and protocols essential for the proper upkeep of the designated system or equipment is prepared and attached as file. This document aims to provide a thorough guide to ensure effective and efficient maintenance practices.

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

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

544

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	View File
Upload any additional information	No File Uploaded
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 benefitted by scholarships, free ships, etc provided by the institution / non- government agencies during the year

255

File Description	Documents
Upload any additional information	View File
Number of students benefitted 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
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

874

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

874

File Description	Documents
Any additional information	No File Uploaded
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 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

A. All of the above

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	No File Uploaded
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

862

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

12

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

4

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.

40

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 university/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.

Along with the involvement of the students in various societies, 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 to coordinate the placement process.

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

To inculcate Value Education as an integral part of life, AKGEC, during the year 2017, established a Value Education Cell (VE Cell) under the guidelines of AKTU.

Students are also members in the proctorial and anti-ragging squads, along with the faculty members with various administrative roles.

File Description	Documents
Paste link for additional information	https://www.akgec.ac.in/wp-content/uploads/2024/02/5.3.2.pdf
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

20

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

Alumni interaction has always been directly and indirectly influencing the key aspects of an institutional success, the various aspects in which the alumni's of the institute is reflected by suggestions towards changes in the curriculum to make the current student population in tune with the current industry requirements. The Alumni can clearly express the relevance of the curriculum in the job scenario, also the teaching learning process and the development of Infrastructure and Learning Resources through donations and maintain donations of their Alumni.

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

There are many such success stories 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.

File Description	Documents
Paste link for additional information	www.akgec.ac.in/alumni-success-tosries/
Upload any additional information	No File Uploaded

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

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

AKGEC's vision is anchored in the belief that creativity and intelligence thrive upon a solid foundation of knowledge. Institute offers a diverse range of undergraduate and postgraduate courses spanning all engineering disciplines. Aspiring to achieve the esteemed status of a deemed university, AKGEC aims to radiate as a beacon of educational excellence.

AKGEC places priority on transparency in its academic and administrative policies, ensuring fairness and accountability. Central to AKGEC's ethos is the promotion of research, development, and consultancy services. The institution fosters an atmosphere that encourages faculty members to engage in impactful work on both

national and international levels. By undertaking cutting-edge research and consultancy projects, AKGEC aims to contribute to the advancement of knowledge and make a positive impact on society.

AKGEC firmly embraces a culture of continuous learning, innovation, and collaboration. Through collective efforts, the institution seeks to shape a better future for generations to come. By embracing these values, AKGEC is unwavering in its commitment to affecting a lasting difference in education and society as a whole. 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/2023/12/6.1.1-The-governance-of-the-institution-is-reflective-of-an-effective-leadership-in-tune-with-the-Vision-Mission-of-the-institution-2022-23.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.

AKGEC is a vibrant institution that thrives under democratic leadership and a unified command structure, offering every member of our community an equal opportunity to contribute to our journey towards excellence. Our governance structure is built on professionalism, transparency, and participative management, with a dynamic Board of Governors at its core. This board includes members of the management committee, eminent educationists, industrialists, bureaucrats, and esteemed faculty members. The Director General of the college serves as the Member Secretary, ensuring seamless coordination and oversight of the board's activities.

The foundation of AKGEC is rooted in five core principles and ethical values: Transparency, Uniformity, Excellence, Ethical Conduct and Discipline.

Our strong belief in decentralization and participative management empowers everyone to contribute to process improvement, thereby enhancing overall quality. The culture of delegation of powers and stakeholder involvement in analysis, strategy development, and deployment is a cornerstone of our approach to governance. All academic and administrative activities are delegated and operational

decisions are taken democratically based on discussion and deliberations involving Director General, Director, Deans, HODs, and respective committees.

File Description	Documents
Paste link for additional information	https://www.akgec.ac.in/wp-content/uploads/2023/12/6.1.2-The-effective-leadership-through-various-institutional-practices-as-decentralization-participative-management-2022-23.pdf
Upload any additional information	No File Uploaded

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

Our college effectively deploys its strategic and perspective plans through a comprehensive set of policies designed to meet the expectations of various stakeholders, including students, faculty, industry partners, and the broader community.

We focus on cultivating a strong research culture by encouraging faculty and students to engage in innovative research activities. As part of this effort, we have established new research centers and centers of excellence across various academic programs. Our strategic plan also emphasizes industry-academia collaborations.

The research and development policy provides frameworks for funding, project approval, and resource allocation to encourage innovative research. The innovation policy promotes creative problem-solving and supports the development of new technologies and solutions.

Additionally, we offer a training and skill development policy to enhance students' employability by providing skill-based training and career development programs. Our promotion policy outlines clear career growth pathways for faculty and staff, fostering a motivated and engaged workforce. We recognize outstanding achievements through our reward and recognition policy, which encourages a culture of excellence. The intellectual property rights (IPR) policy ensures that innovation is protected and incentivized, and our reimbursement of incentives for research publications policy provides financial incentives for academic contributions.

Together, these strategic plans and supporting policies ensure a holistic approach to education and research, meeting our institutional objectives for academic excellence and societal impact.

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/2023/12/6.2.1-Strategic.pdf
Upload any additional information	No File Uploaded

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 effective and efficient functioning of our institution's bodies is demonstrated through a comprehensive and well-structured administrative setup.

At the top of our organizational hierarchy is the Governing Council, responsible for formulating institutional rules and policies. This body ensures that all institutional regulations are in line with our mission and vision.

The Director works alongside the Director General, focusing on continuous organizational improvement and implementing best practices. The Academic Council plays a key role in managing academic affairs, teaching quality, examinations, and performance analysis.

Quality assurance is maintained by the IQAC, which sets and upholds quality standards across all the institutions.

Department Heads are responsible for the day-to-day operations of their respective departments, coordinate and ensure seamless functionality. The Training and Placement Cell plays a crucial role in student career development by facilitating placements and conducting various skill enhancement programs.

The Dean of the Library manages our extensive library resources, ensuring that students and faculty have access to the information

they need for research and learning. The Accounts Department handles all financial matters and employee benefits, ensuring fiscal responsibility and transparency.

The Human Resources (HR) Department manages faculty recruitment, attendance, leave management, and personnel records, ensuring compliance with AICTE norms. This department is central to maintaining an effective workforce and promoting a positive work environment.

Collectively, these institutional bodies and departments work in harmony to ensure the efficient operation and steady growth of our organization. Their coordinated efforts create a robust administrative framework that supports academic excellence and institutional success.

File Description	Documents
Paste link for additional information	Nil
Link to Organogram of the institution webpage	https://www.akgec.ac.in/wp-content/uploads/2023/12/6.2.2-The-functioning-of-the-institutional-bodies-is-effective-and-efficient-as-visible-from-policiesadministrative-proceduresetc.-2022-23.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 Examination **A. All of the above**

File Description	Documents
ERP (Enterprise Resource Planning) Document	View File
Screen shots of user interfaces	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

Our institution prioritizes the well-being of its teaching and non-teaching staff through a comprehensive suite of welfare measures designed to meet their personal and professional needs.

For housing and transportation, we offer in-campus faculty quarters, providing convenient and secure living spaces for our staff. We also offer a transport service for faculty, staff, and students, facilitating easy commuting to and from campus. Health and safety are key priorities, we offer health insurance for students and Employees' State Insurance for eligible staff members. To address immediate health concerns, we have a medical facility on campus.

Financial security and leave policies are integral to our welfare measures. We provide provident fund and gratuity to support long-term financial stability. Our leave policies are designed to offer flexibility, with 12 casual leaves, 10 earned leaves, 10 sick leaves, 84 Maternity Leaves and 2 restricted holidays per year. We also offer maternity leave for regular female faculty members, along with leave encashment for all staff, giving them the option to cash in their unused leaves. These welfare measures reflect our institution's dedication to creating a supportive and enriching environment for everyone.

File Description	Documents
Paste link for additional information	https://www.akgec.ac.in/wp-content/uploads/2023/12/6.3.1-Faculty-Empowerment-Strategies-The-institution-has-effective-welfare-measures-for-teaching-non-teaching-staff-2022-23_compressed.pdf
Upload any additional information	No File Uploaded

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

125

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

18

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

278

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	No File Uploaded
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

Our college has an objective and effective Performance Appraisal System for both teaching and non-teaching staff, designed to ensure that evaluations are fair, transparent, and conducive to personal and professional growth.

The appraisal process begins with a comprehensive self-assessment, where faculty members complete a self-appraisal form at the end of each academic year. This form encompasses four key areas of individual contribution: academic achievements, research output, administrative duties, and personal conduct. Once completed, the form is reviewed by the HoD, who prepares an annual confidential report based on the self-assessment. The Director General then approves the report, ensuring consistency and oversight in the appraisal process.

For non-teaching staff, the evaluation process also takes into consideration their specific roles and responsibilities. Performance metrics may include efficiency, teamwork, problem-solving skills, and adherence to institutional policies. The same level of rigor and fairness is applied to their appraisal as with teaching staff.

To ensure transparency and accountability in the appraisal process, the institution regularly conducts performance audits through IQAC.

Overall, Our Appraisal System is designed to promote excellence, foster accountability, and support the career growth of our teaching and non-teaching staff, ensuring a dynamic and high-performing academic environment

File Description	Documents
Paste link for additional information	https://www.akgec.ac.in/wp-content/uploads/2023/12/6.3.5-Institution-Performance-Appraisal-System-for-teaching-and-non-teachinf-staff-2022-23_compressed.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

The institution ensures financial accountability and transparency by conducting both internal and external audits regularly, with the audits being managed by Anil Vaish & Co, Ghaziabad, since 2018-19.

The internal audit is carried out monthly, covering key areas such as Accounts, Library, Administration, Stores, Gate, and any other areas. The internal audit team consists of Chartered Accountant and Accountants, who meticulously examine financial transactions and related processes.

The results of the internal audit are compiled into an Audit Report and submitted to the Director General for review. Any audit points requiring corrective actions are promptly addressed by the relevant departments to ensure compliance and accuracy. If an audit point necessitates management intervention, it is discussed with the management team for appropriate resolution.

External audits, also managed by Anil Vaish & Co, are conducted annually to provide an independent review of the institution's financial statements. These audits help verify the accuracy of financial reporting and compliance with regulatory requirements. External audit findings are also reviewed by the Director General, with corrective actions taken as needed.

Through this rigorous audit process, the institution maintains a robust mechanism for settling audit objections, ensuring financial integrity and clear pathway for addressing any identified issues.

File Description	Documents
Paste link for additional information	https://www.akgec.ac.in/wp-content/uploads/2023/12/6.4.1-Institution-conducts-internal-and-external-financial-audits-on-regularly-2022-23.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	No File Uploaded
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

Each financial year begins with a comprehensive budgeting process, where budgets are carefully prepared to allocate funds across various departments and projects. This ensures that financial resources are used efficiently to support the institution's academic goals and infrastructure development.

To ensure responsible spending, all expenses are tracked under their respective expenditure heads. The institution has a dedicated purchase team responsible for obtaining quotations from various vendors for equipment, computers, books, and other essentials. This team evaluates potential vendors based on key parameters such as pricing, quality, terms of service, and after-sales support. By conducting assessments, we ensure that all purchases are made within the allotted budget and in the most efficient manner.

Additionally, the institution has a system in place to manage excess

funds. Any surplus funds at the end of the financial year are invested in fixed deposits, allowing for stable growth and providing a financial cushion for future needs. These funds can be utilized for large-scale projects, unexpected expenses, or other institutional requirements in the years to come.

Through this planned and strategic approach to fund mobilization and resource utilization, the institution maintains its commitment to academic excellence and sustainable practices, while also ensuring financial stability and accountability.

File Description	Documents
Paste link for additional information	https://www.akgec.ac.in/wp-content/uploads/2023/12/6.4.3-Institutional-strategies-for-mobilization-of-funds-and-the-optional-utilization-of-resources-2022-23.pdf
Upload any additional information	No File Uploaded

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

IQAC at our college, plays a critical role in institutionalizing quality assurance strategies and processes, significantly contributing to the overall academic and administrative quality of the college.

Our IQAC is led by the Director, ensuring high-level oversight and alignment with the institution's strategic goals. These systems are designed in accordance with the requirements of AICTE, NBA, and the university, as well as the college's Vision and Mission. The IQAC's recommendations are implemented for ensuring robust governance and the implementation of quality assurance practices.

The IQAC also plays a pivotal role in facilitating accreditation support and as a result of its efforts, five B.Tech programs CSE, ECE, EN, IT, and ME are accredited by the NBA till 30 June 2025. Also, the institution is accredited with NAAC A++ grading till 18 May 2028.

Our college has a robust structure for carrying out academic procedure audits, with designated roles for ensuring compliance. Each department has two nominated members responsible for conducting

regular internal audits within their own departments and also for auditing other departments periodically.

Through these mechanisms, the IQAC has significantly contributed to institutionalizing quality assurance, and to maintain and improve the quality of education and administration within the institution.

File Description	Documents
Paste link for additional information	https://www.akgec.ac.in/wp-content/uploads/2023/12/6.5.1-Internal-Quality-Assurance-Cell-IQAC-has-contributed-significantly-for-institutionalising-the-quality-assurance-strategies-processes-2022-23_compressed.pdf
Upload any additional information	No File Uploaded

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

Our college, in line with the guidelines of NAAC, has established an IQAC to systematically review and enhance the teaching-learning process, structures, methodologies, and learning outcomes.

Teaching-learning methodologies are assessed through various academic audits conducted during Sessional Tests (ST) and Pre-University Tests (PUT). The audit reports are submitted to the Director General, who reviews them, and necessary corrective actions are taken by the respective departments based on the auditors' feedback.

In addition, our institution has implemented OBE to strengthen teaching practices. This approach focuses on clearly defined learning outcomes and uses them as a basis for continuous assessment. IQAC members visit each department twice every semester to review course files, examine relevant documents, and assess the implementation of OBE.

To support this process, our institution has developed an in-house ERP system to aid in the calculation of COs and POs. This software helps in identifying gaps in the teaching-learning process, allowing for targeted corrective actions to improve learning outcomes.

Through these regular reviews and systematic evaluations, the IQAC

has played a crucial role in driving incremental improvements within our college. This continuous process of assessment and adjustment ensures that our teaching methodologies, structures, and operations are aligned with our goals & learning outcomes.

File Description	Documents
Paste link for additional information	https://www.akgec.ac.in/wp-content/uploads/2023/12/6.5.2-The-institution-review-its-teaching-learning-process-structure-methodologies-through-IQAC-set-up-as-norms-for-improving-various-activites-2022-23.pdf
Upload any additional information	No File Uploaded

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, national or international agencies (ISO Certification, NBA)

A. All of the above

File Description	Documents
Paste web link of Annual reports of Institution	https://www.akgec.ac.in/wp-content/uploads/2023/12/6.5.3-Quality-Assurance-initiatives-of-the-institution-2022-23_compressed.pdf
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

Our college is committed to promoting gender equity and has implemented several measures to ensure a safe and equitable environment for all members of our academic community.

We have established an ICC in compliance with the Sexual Harassment of Women at Workplace Act, 2013. The ICC comprises members from diverse departments, including a presiding officer and an external member, ensuring a comprehensive and unbiased approach to investigating complaints of sexual harassment.

In addition to the ICC, we have taken proactive steps to enhance security across the campus. CCTV surveillance has been installed in critical areas, providing constant monitoring to ensure safety. We have also placed complaint and suggestion boxes throughout academic blocks, allowing individuals to report issues or suggest improvements anonymously.

Furthermore, our college has made significant strides in promoting gender diversity in leadership roles. We have appointed women to key positions, including Chief Account Officer, Registrar, HR manager and several Department In-charges. These appointments reflect our dedication to providing equal opportunities and encouraging female leadership, reinforcing our commitment to gender equity.

Through these comprehensive measures, our institution aims to create an inclusive and equitable environment where everyone feels valued and respected, and where gender-based discrimination and harassment are not tolerated.

File Description	Documents
Annual gender sensitization action plan	https://www.akgec.ac.in/wp-content/uploads/2023/12/7.1.1-Annual-gender-sensitization-action-plan-NEW.pdf
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/wp-content/uploads/2023/12/7.1.1-Specific-facilities-provided-for-women.pdf

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-

A. 4 or All of the above

**based energy conservation Use of LED bulbs/
power efficient equipment**

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

AKGEC employs a comprehensive waste management system to address various types of waste generated within its premises.

Solid Waste Management: The institution segregates waste into biodegradable, non-biodegradable, and hazardous categories. Paper waste is collected by M/s Eco-Wise Marketing for proper disposal and recycling. Digital platforms are encouraged to reduce paper consumption, and old examination papers are recycled at a paper mill.

Liquid Waste Management: Effluent from canteens, laundry, and toilets undergoes disinfection before being released into a common drainage system to prevent water pollution and infections.

E-waste Management: Outdated lab instruments, computers, and accessories are either reused or recycled through authorized vendors. When computers reach the end of their life, they are collected, repaired if possible, or disposed of properly.

Hazardous Chemicals and Radioactive Waste Management: Specialized agencies handle the collection and disposal of hazardous waste, ensuring proper separation of recyclable and non-recyclable materials. Biodegradable waste undergoes processing for manure production. The institution emphasizes purchasing quality products with a buy-back clause to prevent misuse of items like batteries.

Through these initiatives, AKGEC demonstrates its commitment to environmental sustainability and responsible waste management practices.

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: **A. Any 4 or All of the above**

- 1.Restricted entry of automobiles**
- 2.Use of bicycles/ Battery-powered vehicles**
- 3.Pedestrian-friendly pathways**
- 4.Ban on use of plastic**
- 5.Landscaping**

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 **A. Any 4 or all of the above**

**following 1.Green audit 2. Energy audit
3.Environment audit 4.Clean and green
campus recognitions/awards 5. Beyond the
campus environmental promotional activities**

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

A. Any 4 or all 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).

AKGEC stands as a beacon of inclusivity and diversity, evident

through its myriad initiatives fostering unity and tolerance. From vibrant Independence & Republic Day celebrations that spotlight regional diversity alongside national unity to campaigns combatting ragging and drug abuse, the institution consistently champions respect and safety. Discussions on Samvidhan Diwas underscore the foundational principles of equality enshrined in the Indian Constitution, while festivities like Diwali and Garba night, Holi and Basant Panchami honor the rich tapestry of cultural diversity. National Science Day activities promote the universal language of science, transcending cultural boundaries. Martyrs' Day commemorations pay homage to the sacrifices of national heroes, fostering appreciation for diverse contributions. Communal Harmony Week exemplifies the institution's commitment to promoting peace and understanding, aligned with national directives. Furthermore, through its Value Education Cell, AKGEC instills human values and professional ethics, nurturing harmonious relationships and a sense of interconnectedness with nature. Together, these efforts showcase AKGEC's unwavering dedication to fostering a harmonious, inclusive, and value-centric environment within its campus and beyond.

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

AKGEC is dedicated to sensitizing its students and employees to their constitutional obligations, values, rights, duties, and responsibilities through a range of impactful events and workshops. Celebrations such as International Yoga Day on June 21st promote physical and mental wellness, while ceremonies like the New India Pledge during the 75th year of the Quit India Movement uphold a commitment to a corruption-free, egalitarian India as directed by the UGC. National Voter's Day on January 25th sees students participating in oath-taking ceremonies administered by election officers, encouraging electoral participation and civic engagement. Furthermore, the institution actively engages in promoting human values and professional ethics through initiatives like the establishment of a Value Education Cell by Dr. APJ Abdul Kalam Technical University, with AKGEC being among the initial five nodal centers advocating value education. Additionally, AKGEC hosts

various workshops such as Art of Living, Conscious Engineering, Science of Relationships Through Self-Exploration, and Drishti 2023, all aimed at empowering personal growth and fostering holistic development. Also in our course curriculum two subject for students Constitution of India, law and engineering/Indian tradition, culture and society holistic education, offering students not only technical knowledge but also understanding of their country's legal framework and cultural heritage

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	https://www.akgec.ac.in/wp-content/uploads/2023/12/7.1.9-DETAILS-OF-ACTIVITIES-THAT-INCLUDES.pdf
Any other relevant information	https://www.akgec.ac.in/outside-participation/

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 **A. All of the above**

4. Annual awareness programmes on Code of Conduct are organized

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

The institution actively engages in commemorating national and international days, events, and festivals, fostering a sense of unity, celebration, and cultural enrichment within the campus community. This includes:

Independence Day and Republic Day: Celebrated with patriotic fervor, featuring various competitions like essay writing and poster making to honor the nation's freedom and democratic principles.

Cultural Festivals: Various festivals such as Holi, Garba, and Diwali are celebrated on campus, showcasing the rich diversity of Indian culture and traditions.

Departmental Clubs: Students organize and participate in competitions, cultural events, and institutional fests through various departmental clubs, promoting collaboration and talent development.

Basant Panchami: Celebrated with reverence, where faculty, staff, and families seek blessings from Maa Saraswati at the Faith Centre, fostering a spiritual atmosphere dedicated to learning.

New India Pledge: In commemoration of the 75th year of the Quit India Movement, the institution holds a ceremony where students, staff, and faculty pledge to contribute towards building a new and clean India.

Teachers' Day: Celebrated to honor the birth anniversary of Dr. Sarvepalli Radhakrishnan, acknowledging the invaluable contributions of teachers.

Engineers' Day: Observed annually to honor the engineering excellence of Sir Mokshagundam Visvesvaraya, celebrating the achievements and contributions of engineers to society.

Our college also celebrates Earth Day, Constitution day, Science Day, Women's Day and several such events under IIC Activities also every year.

Though these events the institution promotes cultural awareness, national pride and value driven education.

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

7.2 - Best Practices

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

Title 1- Mentorship and Buddy Program

Objective: Enhance the academic performance of all students.

Context:The programs are implemented for students who often require additional support to succeed academically.

Practice

Buddy Program:

- Each section selects the top five students and pairs them with the bottom five students to create buddy pairs.

Mentorship Program:

- Final-year and third-year students act as mentors for junior students.

Evidence of Success:

- Increased student participation.

Problems Encountered:Difficulties in matching students with compatible personalities.

Resources Required:

- Faculty members to coordinate and oversee the programs, and student mentors to participate actively.

Title2- Emphasizing Value-Based Education

Objective

- Develop well-rounded individuals who understand and embody values such as integrity, compassion, and social responsibility.

Context

This initiative is driven by the realization that academic knowledge should be complemented by a strong sense.

Practice

- Value Education Cell was established over a decade ago, that integrates value education into college activities for faculty and staff.

Evidence of Success

- Nodal Centre Recognition by AKTU & AICTE.

Problems Encountered

- Ensuring continuous participation and maintaining enthusiasm.

Resources Required

- **Human Resources:** Faculty and staff to lead the VE Cell and organize events, along with trained professionals to conduct courses in human values and ethics.
- **Financial Resources:** Funding for event organization, workshop materials, and regional outreach programs.

File Description	Documents
Best practices in the Institutional website	https://www.akgec.ac.in/wp-content/uploads/2023/12/7.2-best-practices.pdf
Any other relevant information	https://www.akgec.ac.in/wp-content/uploads/2023/12/7.2-ANY-OTHER-RELEVANT-INFO.pdf

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

The institution's distinctiveness lies in the following areas:

Infrastructure and Sustainability: AKGEC boasts top-notch infrastructure and a sustainable campus. With a sprawling 40-acre campus, it offers state-of-the-art facilities, eco-friendly initiatives, and comfortable accommodations for students.

Academic Excellence: Recognized for its academic prowess, AKGEC has received numerous awards for excellence in teaching, learning, and research. It ensures personalized attention, diverse student support programs, and a robust academic environment.

Industry-Academia Interface: AKGEC fosters strong ties with industry through its Centres of Excellence and skill development initiatives. It offers advanced training, certification programs, and consultancy services, enriching both students and external candidates.

Innovation and Entrepreneurship: Encouraging innovation, AKGEC provides resources like Idea Lab and collaborates with global institutions for knowledge exchange. It supports start-ups, hosts FAB Labs, and engages in joint research endeavours.

Research and Development Excellence: AKGEC emphasizes research across disciplines, promoting publications, patents, and collaborative projects. It hosts academic journals, conferences, and rewards faculty for R&D contributions.

Value-Based Education: AKGEC integrates value education into its curriculum, ensuring faculty and students uphold ethical standards. Through initiatives like the Value Education Cell, it instills values for personal and societal well-being.

Overall, AKGEC's best practices reflect its dedication to nurturing well-rounded individuals, fostering academic excellence, industry relevance, innovation, research, and ethical values.

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

Ajay Kumar Garg Engineering College, Ghaziabad, affiliated with Dr. A.P.J. Abdul Kalam Technical University, Lucknow, is committed to delivering quality education in engineering and technology. The college offers AICTE-approved B.Tech. programs in twelve disciplines, M. Tech programs in four disciplines, and MCA program. Ensuring instructional standards, IQAC plays a pivotal role in curriculum delivery. The institute meticulously plans each academic semester, adhering to the AKTU calendar. A master timetable is created after subject allocation, approved by Heads of Departments (HoDs). The lecture-wise schedule is closely monitored by the IQAC team to maintain consistency. Faculty members prepare subject course files, encompassing various elements like Quality Policy, Academic Calendar, and Lesson Plans. The college has seamlessly transitioned to online platforms such as Google Meet and Edumarshal Portal. Students are acquainted with the syllabus, teaching methodologies, and departmental activities. The college organizes guest lectures, industry visits, and departmental society activities to align education with industry demands. Equipped with smart boards and ICT facilities, the institute ensures efficient curriculum delivery. Attendance is monitored through the Edumarshal portal, and continuous evaluation includes three internal tests. Feedback from stakeholders is gathered, and corrective actions are taken to enhance the learning experience.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	https://drive.google.com/file/d/1v8lKwugxkNVzNlc15C-Mgc3OwNvhncYt/view?usp=drive_link

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

The college meticulously aligns its academic schedule with the

university calendar. The academic calendar, crafted through collaborative discussions in HoDs meetings with the Director, encompasses key events and is available on the college website for stakeholders. All academic activities, including lesson plans, classes, and internal examinations, are meticulously scheduled in adherence to the academic calendar. Monthly and overall attendance analyses are conducted through the Edumarshal portal, ensuring continuous internal evaluation for both faculty and students.

The institute employs a Centralized Internal Examination system which ensures the alignment of all exam related activities as per the academic calendar. With three internal exams per semester, students' progress is continuously monitored, and suitable actions are taken based on performance. Proactive measures include conducting remedial classes for struggling students and special bridge classes for second-year B.Tech lateral entry students. Practical exposure is emphasized through lab experiments beyond the syllabus, evaluated through grading and internal viva voce exams.

Parents receive regular updates on their wards' performance and attendance. The semester concludes with end-semester examinations, aligning with university guidelines and ensuring students meet the required 75% attendance criteria. In addition to academic rigor, the institute plans various activities such as guest lectures, workshops, industry visits, and felicitations in harmony with the academic calendar, fostering a holistic learning environment.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	https://drive.google.com/file/d/1QaLUDpWzQYBAuwMm9UUIH1e4gipF611p/view?usp=drive_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.

B. Any 3 of the above

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

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

17

File Description	Documents
Any additional information	No File Uploaded
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)

55

File Description	Documents
Any additional information	No File Uploaded
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

2613

File Description	Documents
Any additional information	No File Uploaded
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 College is committed to integrating crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment, and Sustainability into its curriculum. The college's curriculum extends beyond technical knowledge, emphasizing ethical, social, and environmental responsibility. Courses on Professional Ethics & Human Values nurture a sense of morality and professionalism among students, while subjects like the Constitution of India, Law, and courses on Indian Tradition, Culture, and Society cover legal and cultural aspects.

Moreover, programs like B.Tech incorporate elements such as Professional Communication Lab, Soft Skills, and Universal Human Values to enhance interpersonal skills. The institution upholds gender and social equality, promoting an inclusive environment through initiatives like the Students Grievance Committee to address issues and ensure a positive atmosphere for all students.

To address environmental concerns, the curriculum includes courses on Environmental Engineering and related topics. The college's commitment to sustainability is reflected in its eco-friendly infrastructure, featuring maintenance-free buildings, rainwater harvesting systems, and a sewage treatment plant that recycles water for horticulture.

Furthermore, the institution prioritizes resource conservation through measures like automatic water dispensers, solar water heaters, and a rooftop solar power plant. Fossil fuel conservation is achieved through optimized vehicle usage and coordinated trips so onwith government norms.

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

195

File Description	Documents
Any additional information	No File Uploaded
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	No File Uploaded
Institutional Data in Prescribed Format	View File

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

3697

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

A. All of the above

from the following stakeholders Students Teachers Employers Alumni	
File Description	Documents
URL for stakeholder feedback report	https://www.akgec.ac.in/feedback-system-2022-23/
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	A. Feedback collected, analyzed and action taken and feedback available on website
File Description	Documents
Upload any additional information	View File
URL for feedback report	https://www.akgec.ac.in/feedback-system-2022-23/
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	
1291	
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	

497

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

The college places a strong emphasis on assessing the learning levels of students and tailoring special programs to meet their needs, whether they are advanced or slow learners.

Assessment of students' learning levels is not only based on their performance in internal and external examinations but also on their interactions with faculty members in class and laboratories. Close monitoring allows for the identification of slow learners, and appropriate measures are taken to assist them while simultaneously encouraging advanced learners.

For slow learners, the institution offers several programs as part of the academic process, including:

- Buddy Program
- Mentorship Program
- Extra/Special Classes for lateral entry students
- Extra Classes for slow learners conducted by Faculty Members

To encourage bright students, awards and rewards are given to those with the highest marks in internal and external examinations. Advanced learners are motivated to join various departmental societies that foster activity-based learning. These societies aim to conduct technical seminars, competitions, webinars, etc., at the national or international level, providing advanced learners with opportunities for further growth and development.

Overall, the college is dedicated to ensuring that every student receives the support and encouragement needed to excel academically and reach their full potential.

File Description	Documents
Paste link for additional information	https://www.akgec.ac.in/wp-content/uploads/2023/12/2.2.1-Additional-Documents-22-23.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
5068	268

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

Student-centric methods, such as experiential learning, participative learning, and problem-solving methodologies, are integral to enhancing the learning experiences of students at our college. Experiential learning is facilitated through various avenues, including lab experiments, the Cloud Computing Cell, the Research and Industrial Consultancy Centre (RICC), virtual laboratories, the Software Incubator, and the Big Data Centre of Excellence. Additionally, students benefit from industrial internships, guest lectures by industrial experts, industrial visits, sharing of experiences by faculty members with industrial backgrounds, and project work in 12 advanced technical Centers of Excellence.

Participative learning is fostered through engagement in various student societies, including departmental technical societies like Conatus, Nirmaan, Oorja, Phoenix, and Samveg, as well as extra-curricular societies such as Euphony, Footprints, Horizon, Goonj, Renaissance, Taal, and Verve. Moreover, student chapters like CSI (Computer Society of India), ISTE, SAE India, and IEEE,

with IEEE student chapters, provide additional avenues for involvement.

Problem-solving methodologies are emphasized through activities such as conducting quizzes using Google Forms, encouraging students to enroll in MOOC courses, and organizing alumni talks and guest lectures.

These student-centric approaches create an engaging and interactive learning environment, empowering students to develop essential skills and competencies needed for success in their academic and professional pursuits.

File Description	Documents
Upload any additional information	View File
Link for additional information	https://www.akgec.ac.in/wp-content/uploads/2023/12/2.3.1Additional-document-.pdf

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

Teachers at our institution leverage ICT-enabled tools to enhance the teaching-learning process, ensuring a dynamic and interactive educational experience.

Modernized lecture theatres equipped with multimedia projectors, chalkboards, and microphone & speaker facilities facilitate effective delivery of content. All classrooms have dedicated Internet connections, enabling seamless access to online resources.

Smart boards are installed in all the classrooms and seminar halls to revolutionize traditional teaching methods. These boards foster student-teacher interaction, encourage real-time teaching with audio and video lessons and multimedia presentations. They also facilitate the creation of web-based teaching and learning platforms for educators and students.

The Google Classroom serves as a versatile platform for course management, allowing educators to create personalized online learning environments. Faculty members utilize Google Classroom

for sharing lecture materials, assignments, and video lectures, fostering collaborative learning.

Additionally, model solutions for internal and university exams are available in both soft and hard copies in the college library and shared with students. Faculty members also record lectures at the AKGEC Digital Studio, ensuring accessibility through the institution's YouTube channel after rigorous quality review.

These ICT-enabled tools empower educators to deliver engaging and comprehensive instruction while providing students with diverse learning opportunities tailored to their needs.

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

261

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

268

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

92

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

1800 Years 7 Months

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 college has a robust and transparent mechanism for internal assessment, centrally managed by the Examination Cell. The internal evaluation system includes various assessments, such as Class Tests (CT), Teachers Assessment (TA), Sessional Tests (ST) and Pre-University Tests (PUTs), each with specific marks allocation and coverage across academic years.

Question papers for internal exams are meticulously prepared at least one week in advance, following consultations with faculty members teaching the respective subjects. The papers undergo rigorous review by faculty experts for quality, format, and alignment with Blooms' Taxonomy, ensuring standardization and fairness. Subsequently, the Departmental Head provides additional oversight, ensuring the integrity and relevance of the assessments.

This transparent and systematic approach to internal assessment promotes fairness, consistency, and academic rigor, contributing to the overall academic excellence of the institution.

File Description	Documents
Any additional information	View File
Link for additional information	https://www.akgec.ac.in/wp-content/uploads/2023/12/2.5.1and-2link-for-additional-infor.pdf

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

The college maintains a transparent, time-bound, and efficient mechanism to address internal examination-related grievances. During the examination period, students can contact the college examination cell to raise any issues or grievances. These concerns are promptly addressed with the highest priority, ensuring transparency and resolution.

For internal examinations, student late entry is not permitted after 30 minutes of the exam's start. However, genuine cases are considered under the direction of the Dean Examinations and the respective Department Head, demonstrating a fair and accommodating approach.

Regarding University examination grievances, the process is similarly structured for transparency and efficiency. The University issues a draft of the date sheet well in advance on its portal, allowing colleges to thoroughly review it for any discrepancies. Once all colleges confirm the accuracy of the date sheet, the final version is published on the University website.

Late entry in external examinations is permitted only in genuine cases after 30 minutes of the exam's commencement, with special permission from the center superintendent. This strict yet fair policy ensures the integrity and smooth conduct of examinations while accommodating genuine student needs. UFM policy is in place to deal with the unfair means cases in internal as well as external examinations

File Description	Documents
Any additional information	View File
Link for additional information	https://www.akgec.ac.in/wp-content/uploads/2023/12/2.5.1and-2link-for-additional-infor.pdf

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.

The institution adheres to Outcome Based Education (OBE) principles by clearly defining and communicating Program Outcomes (POs), Program Specific Outcomes (PSOs), and Course Outcomes (COs) for all offered programs. These outcomes are meticulously formulated by the respective departments in consultation with faculty and stakeholders, ensuring alignment with industry requirements and educational standards.

Once consensus is achieved, the outcomes are widely disseminated and advertised through various channels, including the institution's website, curriculum, laboratory displays, department notice boards, student induction programs, course files, as well as through the library. Faculty members, class teachers, and mentors actively inform students about these outcomes, emphasizing their importance and the need for attainment.

Furthermore, COs, POs, and PSOs are readily accessible on the

institute's website, providing transparency and accessibility to all stakeholders. This comprehensive approach ensures that students, faculty, and other stakeholders are well-informed and aligned with the institution's educational objectives, fostering a culture of continuous improvement and excellence.

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	https://www.akgec.ac.in/igac/#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.

The college employs a rigorous process to evaluate the attainment of Programme Outcomes (POs) and Course Outcomes (COs) to ensure quality education delivery.

For CO attainment, both direct and indirect evaluations are conducted based on students' performance in internal and external examinations throughout the semester. Each exam corresponds to specific units covered and extracts relevant CO attainments. Faculty members teaching the subject in their respective sections calculate CO attainments, which are then averaged across all sections to determine the final CO attainment for that subject. These attainments are converted into levels, with level 3 assigned if 60% of students score more than 40% marks, and proportional levels assigned otherwise. The final CO attainment is calculated by proportionally combining internal and external CO attainments for direct & cause exits many for indirect attainments.

For PO attainment, various assessment tools are utilized, including CO attainment results from theory and practical courses (both internal and external assessments) and student feedback. These tools provide direct and indirect assessments to evaluate the achievement of POs and Program Specific Outcomes (PSOs), ensuring a comprehensive evaluation process.

This robust evaluation process ensures that the institution continuously monitors and improves the attainment of POs and COs, ultimately contributing to the quality and effectiveness of the

educational programs offered.

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	https://www.akgec.ac.in/wp-content/uploads/2023/12/2.6.2-additional-proof.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

1146

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/2023/08/Sampark-2021-22-.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/students-satisfaction-survey/>

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)

15.39

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	http://www.cst.up.gov.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 college has made significant strides in fostering innovation

and research on its campus. In 2018, it established the Institution's Innovation Council (IIC) to drive activities related to innovation, intellectual property rights (IPR), startups, and entrepreneurship. Furthermore, the college has several specialized units aimed at nurturing innovation and entrepreneurship, including the Pre-incubation Unit (FAB lab), Incubation Unit (IDEA lab), and IP Facilitation Unit (IPR Cell).

Distinguished as the sole engineering college in Uttar Pradesh, the institute received approval from the Department of Science and Technology (DST), Government of India, to establish a Centre of Relevance and Excellence (CORE) in Automation & Robotics. Additionally, it has formed 12 Centre of Excellences in collaboration with international industries to advance research, consultancy, project development, and training in emerging technologies.

The institute houses the Software Incubator-SDC, a research and development center, and the "Big Data Centre of Excellence," the first of its kind in AKTU, dedicated to Big Data research. Notably, it secured approval for a Common Facility Centre (CFC) under the One District One Product (ODOP) scheme of the Government of Uttar Pradesh, further enhancing its research and development capabilities. These initiatives underscore the institute's commitment to fostering innovation and research excellence, contributing to technological advancements and socio-economic development.

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

20

File Description	Documents
Report of the event	View File
Any additional information	No File Uploaded
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

1

File Description	Documents
URL to the research page on HEI website	https://www.akgec.ac.in/wp-content/uploads/2024/01/3.3.1_FINAL0.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

114

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

119

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

Our college is dedicated to the ideals of the National Service Scheme, emphasizing student engagement in voluntary social service for the socio-economic development of our local community and the broader nation.

One of our key initiatives is under the Unnat Bharat Abhiyan, a flagship program by the Ministry of Human Resource Development that connects higher education institutions with rural areas. Our college has adopted five villages in Ghaziabad, Raghunathpur, Sadat Nagar Ikla, Piplehda, Galand, and Kalchhin where we've conducted surveys to identify pressing issues such as the lack of safe drinking water, inadequate school facilities, and computer illiteracy. We've responded with various projects to improve living conditions and enhance educational opportunities.

To support education, we've adopted the "Prathmik Vidyalya Kazipura," a school in Kazipura Village, providing ongoing maintenance, sports equipment, and computer literacy programs. Similarly, we adopted a Hindu refugee camp in Adarsh Nagar, Delhi.

Additionally, our college operates "Adarsh Vikas Kendra," a primary school on campus that offers free education to children from economically disadvantaged backgrounds. We supply these children with free meals, uniforms, books, and computer training to ensure they have a strong foundation for their future.

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

2

File Description	Documents
Any additional information	No File Uploaded
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

3

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

362

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

65

File Description	Documents
e-copies of related Document	View File
Any additional information	No File Uploaded
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

9

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.

The college campus sprawls across 1,18,313 square meters, occupying 29.24 acres, and has a built-up area of 82,919.21 square meters. Within its department complexes, students benefit from well-appointed laboratories, smart classrooms, department offices, and faculty cabins. The institution takes pride in its cutting-edge computing facilities, interconnecting about total 1,649 computers through a broadband network.

A standout feature is the state-of-the-art central library, which hosts an extensive collection of 141,614 books and provides reading rooms. The Central Library, spread across 1,465 square meters in two sections, offers a comfortable seating capacity for 344 users. The campus is well-equipped with essential amenities, including Wi-Fi, a canteen, transportation facilities, playgrounds, and power backup. Three computer centers house modern configured computers with an impressive internet speed of 1100 Mbps.

The college accommodates 87 spacious classrooms and tutorial rooms, each capable of seating over 70 individuals and equipped with ICT facilities. Additionally, there are four seminar halls and three conference halls with ICT facilities, along with two meeting rooms featuring LED and Wi-Fi facilities. The institution boasts 55 well-equipped laboratories and workshops, utilized for around 110 lab courses and workshops during both even and odd semesters. An innovation and development center is established, underscoring the college's commitment to fostering creativity.

Furthermore, the college houses 12 Centers of

Excellence, departmental societies, contributing to a vibrant academic environment. The library system encompasses a Central Library, eight Departmental Libraries, and five Hostel Libraries.

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 actively supports student participation in both indoor and outdoor games, with eight dedicated coaches. The campus features spacious playgrounds for outdoor activities and suitable facilities for indoor games. Students engage in diverse indoor competitions like chess, table tennis, and badminton, while also actively participating in outdoor sports such as football, volleyball, basketball, cricket, and athletics. The college's extensive playgrounds and high-quality facilities offering students ample opportunities to showcase their skills and passion for various games.

The institution has established itself as a hub for cultural activities, with students actively organizing and participating in various events. An amphitheater and open space are designated for large cultural gatherings. The college boasts six distinct cultural societies—Taal Society, Euphony Society, Footprints Society, Goonj Society, Verve Society, and Photography Society—that organize diverse events throughout the academic year.

In terms of accommodation, the college offers well-furnished hostel facilities across four complexes: the Junior Girls' Hostel Complex, the Girls' Hostel Complex, the Junior Boys' Hostel Complex, and the Senior Boys' Hostel Complex. The hostels feature both indoor and outdoor sports facilities, including gymnasiums, with a designated gym instructor appointed to guide students on equipment usage and provide healthy tips.

Students have the privilege of utilizing a well-equipped open-air gymnasium on the campus. This facility is designed to provide a conducive environment for physical fitness activities in an open

and refreshing setting. Additionally, the college maintains a faith centre with open spaces with ample facilities for meditation and yoga enthusiasts.

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)

741.31

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 Central Library of the college is spread across 1465 sq m in two sections, offering a comfortable reading capacity of 344 users and boasts an invaluable collection comprising text and reference books, journals, e-books, and multimedia resources. Currently, the collection encompasses an impressive one hundred and forty-one thousand six hundred fourteen titles and volumes, covering a spectrum of subjects including Science, Technology, Humanities, and Management. This includes book bank books, with the total book collection reaching 1,41,614, comprising 38,809 books in the lending section, and 1,02,807 in the book bank.

The library is subscribed to a remarkable 505+ E-resources and International Journals, along with an extensive collection of 14,000 E-books and over 106 National Journals. The digital library hosts an impressive assortment of over 5,700 multimedia resources. Additionally, the library meticulously preserves seminar reports, project reports, and student theses. A dedicated section, housing more than 1000 books, focuses on personality development and competitive examination preparation. The library consistently expands its resources, with new additions being a regular feature.

Furthermore, the Central Library subscribes to more than 28 magazines and 11 newspapers, ensuring that students have access to a broad spectrum of current affairs and periodicals.

Library is automated using Koha Integrated Library System (KOHA):

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)

44.14

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

275

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**

The college believes in regular up gradation of its IT facilities to keep pace with the changing needs of technology. The IT infrastructure at AKGEC is created taking in to account the requirements of all the stake holders. For proper upkeep and IT support, the college has established a separate department known as Support Cell. The college provides 24*7 high speed internet connection through optical fiber link (leased line) and Wi-Fi with 208 access points all over the campus. A bandwidth of up to 1000MBPS for LAN and 433 MBPS for WiFi is available to provide high speed internet connectivity. The facility of internet is also available to the student staying in hostels.

For computing purpose, the College has 1649 computer systems, 131 laptops, 21 scanners, 145 printers, 72 LCD projectors, 8 servers and 208 Wi-Fi access points. The complete details of IT infrastructure available as on date is attached. The college has a practice of regular upgrading the computer systems and other IT facilities. Updation done in the last year is also mentioned in the attached sheet. Notwithstanding the above, the college has also established a digital studio with state of the art recording facilities. The studio includes the availability of smart board, video camera as well as document camera for recording of video lectures, along with the other necessary infrastructure. Every classroom in the college has necessary ICT facilities available to ensure an effective teaching and learning environment.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	NIL

4.3.2 - Number of Computers**1649**

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)****2153.67**

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.

Established Systems and Procedures for Computer Maintenance and Utilization:

- 1. Computers are procured centrally by the Central Support**

Cell in response to departmental and sectional requirements.

2. The Central Support Cell of the college assumes responsibility for all computers and IT equipments maintenance.

A dedicated system ensures the regular maintenance and repair of sports complexes and infrastructure within the college. The college Sports Officer serves as the primary advisor to the Dean of Administration for addressing sports-related maintenance requirements.

All classrooms, seminar halls, conference halls, labs undergo daily cleaning, and designated staff ensure the cleanliness of furniture before the commencement of classes. Electrical switches, fans, etc., are regularly checked and repaired based on requirements. Microphones are distributed to faculty members before each class, with the distribution point adequately stocked with charged batteries and microphones to meet demand.

Library Automation: The library operates with computerized automation using the KOHA library management software. KOHA encompasses modules for acquisition, cataloging, circulation, periodicals, article indexing, and Web OPAC.

A comprehensive maintenance procedure document that outlines the detailed steps and protocols essential for the proper upkeep of the designated system or equipment is prepared and attached as file. This document aims to provide a thorough guide to ensure effective and efficient maintenance practices.

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

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

544

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	View File
Upload any additional information	No File Uploaded
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 benefitted by scholarships, free ships, etc provided by the institution / non- government agencies during the year

255

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
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

874

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

874

File Description	Documents
Any additional information	No File Uploaded
Number of students benefitted by guidance for competitive examinations and career counseling during the year (Data Template)	View File

5.1.5 - The Institution has a transparent 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

A. All of the above

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	No File Uploaded
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

862

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

12

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

4

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.

40

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 university/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.

Along with the involvement of the students in various societies, 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 to coordinate the placement process.

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

To inculcate Value Education as an integral part of life, AKGEC, during the year 2017, established a Value Education Cell (VE Cell) under the guidelines of AKTU.

Students are also members in the proctorial and anti-ragging squads, along with the faculty members with various administrative roles.

File Description	Documents
Paste link for additional information	https://www.akgec.ac.in/wp-content/uploads/2024/02/5.3.2.pdf
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

20

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

Alumni interaction has always been directly and indirectly influencing the key aspects of an institutional success, the various aspects in which the alumni's of the institute is reflected by suggestions towards changes in the curriculum to make the current student population in tune with the current industry requirements. The Alumni can clearly express the relevance of the curriculum in the job scenario, also the teaching learning process and the development of Infrastructure and Learning Resources through donations and maintain donations of their Alumni.

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

There are many such success stories many of them can be found on our alumni portal (www.akgec.ac.in/alumni-success-stories/) and LinkedIn network ([akgec.almaconnect.com/network](https://www.linkedin.com/company/akgec-almaconnect) details), various alumni's are invited to college frequently for the formal talks with their juniors.

File Description	Documents
Paste link for additional information	www.akgec.ac.in/alumni-success-tosries/
Upload any additional information	No File Uploaded

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

AKGEC's vision is anchored in the belief that creativity and intelligence thrive upon a solid foundation of knowledge. Institute offers a diverse range of undergraduate and postgraduate courses spanning all engineering disciplines. Aspiring to achieve the esteemed status of a deemed university, AKGEC aims to radiate as a beacon of educational excellence.

AKGEC places priority on transparency in its academic and administrative policies, ensuring fairness and accountability. Central to AKGEC's ethos is the promotion of research, development, and consultancy services. The institution fosters an atmosphere that encourages faculty members to engage in impactful work on both national and international levels. By undertaking cutting-edge research and consultancy projects, AKGEC aims to contribute to the advancement of knowledge and make a positive impact on society.

AKGEC firmly embraces a culture of continuous learning, innovation, and collaboration. Through collective efforts, the institution seeks to shape a better future for generations to come. By embracing these values, AKGEC is unwavering in its commitment to affecting a lasting difference in education and society as a whole. 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/2023/12/6.1.1-The-governance-of-the-institution-is-reflective-of-an-effective-leadership-in-tune-with-the-Vision-Mission-of-the-institution-2022-23.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.

AKGEC is a vibrant institution that thrives under democratic leadership and a unified command structure, offering every member of our community an equal opportunity to contribute to our journey towards excellence. Our governance structure is built on professionalism, transparency, and participative management, with a dynamic Board of Governors at its core. This board includes members of the management committee, eminent educationists, industrialists, bureaucrats, and esteemed faculty members. The Director General of the college serves as the Member Secretary, ensuring seamless coordination and oversight of the board's activities.

The foundation of AKGEC is rooted in five core principles and ethical values: Transparency, Uniformity, Excellence, Ethical Conduct and Discipline.

Our strong belief in decentralization and participative management empowers everyone to contribute to process improvement, thereby enhancing overall quality. The culture of delegation of powers and stakeholder involvement in analysis, strategy development, and deployment is a cornerstone of our approach to governance. All academic and administrative activities are delegated and operational decisions are taken democratically based on discussion and deliberations involving Director General, Director, Deans, HODs, and respective committees.

File Description	Documents
Paste link for additional information	https://www.akgec.ac.in/wp-content/uploads/2023/12/6.1.2-The-effective-leadership-through-various-institutional-practices-as-decentralization-participative-management-2022-23.pdf
Upload any additional information	No File Uploaded

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

Our college effectively deploys its strategic and perspective plans through a comprehensive set of policies designed to meet the expectations of various stakeholders, including students, faculty, industry partners, and the broader community.

We focus on cultivating a strong research culture by encouraging faculty and students to engage in innovative research activities. As part of this effort, we have established new research centers and centers of excellence across various academic programs. Our strategic plan also emphasizes industry-academia collaborations.

The research and development policy provides frameworks for funding, project approval, and resource allocation to encourage innovative research. The innovation policy promotes creative problem-solving and supports the development of new technologies and solutions.

Additionally, we offer a training and skill development policy to enhance students' employability by providing skill-based training and career development programs. Our promotion policy outlines clear career growth pathways for faculty and staff, fostering a motivated and engaged workforce. We recognize outstanding achievements through our reward and recognition policy, which encourages a culture of excellence. The intellectual property rights (IPR) policy ensures that innovation is protected and incentivized, and our reimbursement of incentives for research publications policy provides financial incentives for academic contributions.

Together, these strategic plans and supporting policies ensure a holistic approach to education and research, meeting our

institutional objectives for academic excellence and societal impact.

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/2023/12/6.2.1-Strategic.pdf
Upload any additional information	No File Uploaded

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 effective and efficient functioning of our institution's bodies is demonstrated through a comprehensive and well-structured administrative setup.

At the top of our organizational hierarchy is the Governing Council, responsible for formulating institutional rules and policies. This body ensures that all institutional regulations are in line with our mission and vision.

The Director works alongside the Director General, focusing on continuous organizational improvement and implementing best practices. The Academic Council plays a key role in managing academic affairs, teaching quality, examinations, and performance analysis.

Quality assurance is maintained by the IQAC, which sets and upholds quality standards across all the institutions.

Department Heads are responsible for the day-to-day operations of their respective departments, coordinate and ensure seamless functionality. The Training and Placement Cell plays a crucial role in student career development by facilitating placements and conducting various skill enhancement programs.

The Dean of the Library manages our extensive library resources, ensuring that students and faculty have access to the information they need for research and learning. The Accounts Department handles all financial matters and employee benefits, ensuring

fiscal responsibility and transparency.

The Human Resources (HR) Department manages faculty recruitment, attendance, leave management, and personnel records, ensuring compliance with AICTE norms. This department is central to maintaining an effective workforce and promoting a positive work environment.

Collectively, these institutional bodies and departments work in harmony to ensure the efficient operation and steady growth of our organization. Their coordinated efforts create a robust administrative framework that supports academic excellence and institutional success.

File Description	Documents
Paste link for additional information	Nil
Link to Organogram of the institution webpage	https://www.akgec.ac.in/wp-content/uploads/2023/12/6.2.2-The-functioning-of-the-institutional-bodies-is-effective-and-efficient-as-visible-from-policiesadministrative-proceduresetc.-2022-23.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 Examination

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Document	View File
Screen shots of user interfaces	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

Our institution prioritizes the well-being of its teaching and non-teaching staff through a comprehensive suite of welfare measures designed to meet their personal and professional needs.

For housing and transportation, we offer in-campus faculty quarters, providing convenient and secure living spaces for our staff. We also offer a transport service for faculty, staff, and students, facilitating easy commuting to and from campus. Health and safety are key priorities, we offer health insurance for students and Employees' State Insurance for eligible staff members. To address immediate health concerns, we have a medical facility on campus.

Financial security and leave policies are integral to our welfare measures. We provide provident fund and gratuity to support long-term financial stability. Our leave policies are designed to offer flexibility, with 12 casual leaves, 10 earned leaves, 10 sick leaves, 84 Maternity Leaves and 2 restricted holidays per year. We also offer maternity leave for regular female faculty members, along with leave encashment for all staff, giving them the option to cash in their unused leaves. These welfare measures reflect our institution's dedication to creating a supportive and enriching environment for everyone.

File Description	Documents
Paste link for additional information	https://www.akgec.ac.in/wp-content/uploads/2023/12/6.3.1-Faculty-Empowerment-Strategies-The-institution-has-effective-welfare-measures-for-teaching-non-teaching-staff-2022-23_compressed.pdf
Upload any additional information	No File Uploaded

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

125

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

18

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

278

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	No File Uploaded
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

Our college has an objective and effective Performance Appraisal System for both teaching and non-teaching staff, designed to ensure that evaluations are fair, transparent, and conducive to personal and professional growth.

The appraisal process begins with a comprehensive self-assessment, where faculty members complete a self-appraisal form at the end of each academic year. This form encompasses four key areas of individual contribution: academic achievements, research output, administrative duties, and personal conduct. Once completed, the form is reviewed by the HoD, who prepares an annual confidential report based on the self-assessment. The Director General then approves the report, ensuring consistency and oversight in the appraisal process.

For non-teaching staff, the evaluation process also takes into consideration their specific roles and responsibilities. Performance metrics may include efficiency, teamwork, problem-solving skills, and adherence to institutional policies. The same level of rigor and fairness is applied to their appraisal as with teaching staff.

To ensure transparency and accountability in the appraisal process, the institution regularly conducts performance audits through IQAC.

Overall, Our Appraisal System is designed to promote excellence, foster accountability, and support the career growth of our teaching and non-teaching staff, ensuring a dynamic and high-

performing academic environment

File Description	Documents
Paste link for additional information	https://www.akgec.ac.in/wp-content/uploads/2023/12/6.3.5-Institution-Performance-Appraisal-System-for-teaching-and-non-teachinf-staff-2022-23_compressed.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

The institution ensures financial accountability and transparency by conducting both internal and external audits regularly, with the audits being managed by Anil Vaish & Co, Ghaziabad, since 2018-19.

The internal audit is carried out monthly, covering key areas such as Accounts, Library, Administration, Stores, Gate, and any other areas. The internal audit team consists of Chartered Accountant and Accountants, who meticulously examine financial transactions and related processes.

The results of the internal audit are compiled into an Audit Report and submitted to the Director General for review. Any audit points requiring corrective actions are promptly addressed by the relevant departments to ensure compliance and accuracy. If an audit point necessitates management intervention, it is discussed with the management team for appropriate resolution.

External audits, also managed by Anil Vaish & Co, are conducted annually to provide an independent review of the institution's financial statements. These audits help verify the accuracy of financial reporting and compliance with regulatory requirements. External audit findings are also reviewed by the Director General, with corrective actions taken as needed.

Through this rigorous audit process, the institution maintains a robust mechanism for settling audit objections, ensuring financial integrity and clear pathway for addressing any identified issues.

File Description	Documents
Paste link for additional information	https://www.akgec.ac.in/wp-content/uploads/2023/12/6.4.1-Institution-conducts-internal-and-external-financial-audits-on-regularly-2022-23.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	No File Uploaded
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

Each financial year begins with a comprehensive budgeting process, where budgets are carefully prepared to allocate funds across various departments and projects. This ensures that financial resources are used efficiently to support the institution's academic goals and infrastructure development.

To ensure responsible spending, all expenses are tracked under their respective expenditure heads. The institution has a dedicated purchase team responsible for obtaining quotations from various vendors for equipment, computers, books, and other essentials. This team evaluates potential vendors based on key parameters such as pricing, quality, terms of service, and after-sales support. By conducting assessments, we ensure that all purchases are made within the allotted budget and in the most efficient manner.

Additionally, the institution has a system in place to manage excess funds. Any surplus funds at the end of the financial year are invested in fixed deposits, allowing for stable growth and providing a financial cushion for future needs. These funds can be utilized for large-scale projects, unexpected expenses, or other institutional requirements in the years to come.

Through this planned and strategic approach to fund mobilization and resource utilization, the institution maintains its commitment to academic excellence and sustainable practices, while also ensuring financial stability and accountability.

File Description	Documents
Paste link for additional information	https://www.akgec.ac.in/wp-content/uploads/2023/12/6.4.3-Institutional-strategies-for-mobilization-of-funds-and-the-optional-utilization-of-resources-2022-23.pdf
Upload any additional information	No File Uploaded

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

IQAC at our college, plays a critical role in institutionalizing quality assurance strategies and processes, significantly contributing to the overall academic and administrative quality of the college.

Our IQAC is led by the Director, ensuring high-level oversight and alignment with the institution's strategic goals. These systems are designed in accordance with the requirements of AICTE, NBA, and the university, as well as the college's Vision and Mission. The IQAC's recommendations are implemented for ensuring robust governance and the implementation of quality assurance practices.

The IQAC also plays a pivotal role in facilitating accreditation support and as a result of its efforts, five B.Tech programs CSE, ECE, EN, IT, and ME are accredited by the NBA till 30 June 2025. Also, the institution is accredited with NAAC A++ grading till 18 May 2028.

Our college has a robust structure for carrying out academic

procedure audits, with designated roles for ensuring compliance. Each department has two nominated members responsible for conducting regular internal audits within their own departments and also for auditing other departments periodically.

Through these mechanisms, the IQAC has significantly contributed to institutionalizing quality assurance, and to maintain and improve the quality of education and administration within the institution.

File Description	Documents
Paste link for additional information	https://www.akgec.ac.in/wp-content/uploads/2023/12/6.5.1-Internal-Quality-Assurance-Cell-IQAC-has-contributed-significantly-for-institutionalising-the-quality-assurance-strategies-processes-2022-23_compressed.pdf
Upload any additional information	No File Uploaded

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

Our college, in line with the guidelines of NAAC, has established an IQAC to systematically review and enhance the teaching-learning process, structures, methodologies, and learning outcomes.

Teaching-learning methodologies are assessed through various academic audits conducted during Sessional Tests (ST) and Pre-University Tests (PUT). The audit reports are submitted to the Director General, who reviews them, and necessary corrective actions are taken by the respective departments based on the auditors' feedback.

In addition, our institution has implemented OBE to strengthen teaching practices. This approach focuses on clearly defined learning outcomes and uses them as a basis for continuous assessment. IQAC members visit each department twice every semester to review course files, examine relevant documents, and assess the implementation of OBE.

To support this process, our institution has developed an in-house ERP system to aid in the calculation of COs and POs. This

software helps in identifying gaps in the teaching-learning process, allowing for targeted corrective actions to improve learning outcomes.

Through these regular reviews and systematic evaluations, the IQAC has played a crucial role in driving incremental improvements within our college. This continuous process of assessment and adjustment ensures that our teaching methodologies, structures, and operations are aligned with our goals & learning outcomes.

File Description	Documents
Paste link for additional information	https://www.akgec.ac.in/wp-content/uploads/2023/12/6.5.2-The-institution-review-its-teaching-learning-process-structure-methodologies-through-IQAC-set-up-as-norms-for-improving-various-activites-2022-23.pdf
Upload any additional information	No File Uploaded

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, national or international agencies (ISO Certification, NBA)

A. All of the above

File Description	Documents
Paste web link of Annual reports of Institution	https://www.akgec.ac.in/wp-content/uploads/2023/12/6.5.3-Quality-Assurance-initiatives-of-the-institution-2022-23_compressed.pdf
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

Our college is committed to promoting gender equity and has implemented several measures to ensure a safe and equitable environment for all members of our academic community.

We have established an ICC in compliance with the Sexual Harassment of Women at Workplace Act, 2013. The ICC comprises members from diverse departments, including a presiding officer and an external member, ensuring a comprehensive and unbiased approach to investigating complaints of sexual harassment.

In addition to the ICC, we have taken proactive steps to enhance security across the campus. CCTV surveillance has been installed in critical areas, providing constant monitoring to ensure safety. We have also placed complaint and suggestion boxes throughout academic blocks, allowing individuals to report issues or suggest improvements anonymously.

Furthermore, our college has made significant strides in promoting gender diversity in leadership roles. We have appointed women to key positions, including Chief Account Officer, Registrar, HR manager and several Department In-charges. These appointments reflect our dedication to providing equal opportunities and encouraging female leadership, reinforcing our commitment to gender equity.

Through these comprehensive measures, our institution aims to create an inclusive and equitable environment where everyone feels valued and respected, and where gender-based discrimination and harassment are not tolerated.

File Description	Documents
Annual gender sensitization action plan	https://www.akgec.ac.in/wp-content/uploads/2023/12/7.1.1-Annual-gender-sensitization-action-plan-NEW.pdf
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/wp-content/uploads/2023/12/7.1.1-Specific-facilities-provided-for-women.pdf

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

AKGEC employs a comprehensive waste management system to address various types of waste generated within its premises.

Solid Waste Management: The institution segregates waste into biodegradable, non-biodegradable, and hazardous categories. Paper waste is collected by M/s Eco-Wise Marketing for proper disposal and recycling. Digital platforms are encouraged to reduce paper consumption, and old examination papers are recycled at a paper mill.

Liquid Waste Management: Effluent from canteens, laundry, and

toilets undergoes disinfection before being released into a common drainage system to prevent water pollution and infections.

E-waste Management: Outdated lab instruments, computers, and accessories are either reused or recycled through authorized vendors. When computers reach the end of their life, they are collected, repaired if possible, or disposed of properly.

Hazardous Chemicals and Radioactive Waste Management: Specialized agencies handle the collection and disposal of hazardous waste, ensuring proper separation of recyclable and non-recyclable materials. Biodegradable waste undergoes processing for manure production. The institution emphasizes purchasing quality products with a buy-back clause to prevent misuse of items like batteries.

Through these initiatives, AKGEC demonstrates its commitment to environmental sustainability and responsible waste management practices.

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:

A. Any 4 or All of the above

1.Restricted entry of automobiles 2.Use of bicycles/ Battery-powered vehicles 3.Pedestrian-friendly pathways 4.Ban on use of plastic 5.Landscaping	
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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	A. Any 4 or all of the above
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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	A. Any 4 or all of the above
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**5. Provision for enquiry and information :
Human assistance, reader, scribe, soft copies
of reading material, screen reading**

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).

AKGEC stands as a beacon of inclusivity and diversity, evident through its myriad initiatives fostering unity and tolerance. From vibrant Independence & Republic Day celebrations that spotlight regional diversity alongside national unity to campaigns combatting ragging and drug abuse, the institution consistently champions respect and safety. Discussions on Samvidhan Diwas underscore the foundational principles of equality enshrined in the Indian Constitution, while festivities like Diwali and Garba night, Holi and Basant Panchami honor the rich tapestry of cultural diversity. National Science Day activities promote the universal language of science, transcending cultural boundaries. Martyrs' Day commemorations pay homage to the sacrifices of national heroes, fostering appreciation for diverse contributions. Communal Harmony Week exemplifies the institution's commitment to promoting peace and understanding, aligned with national directives. Furthermore, through its Value Education Cell, AKGEC instills human values and professional ethics, nurturing harmonious relationships and a sense of interconnectedness with nature. Together, these efforts showcase AKGEC's unwavering dedication to fostering a harmonious, inclusive, and value-centric environment within its campus and beyond.

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

AKGEC is dedicated to sensitizing its students and employees to their constitutional obligations, values, rights, duties, and responsibilities through a range of impactful events and workshops. Celebrations such as International Yoga Day on June 21st promote physical and mental wellness, while ceremonies like the New India Pledge during the 75th year of the Quit India Movement uphold a commitment to a corruption-free, egalitarian India as directed by the UGC. National Voter's Day on January 25th sees students participating in oath-taking ceremonies administered by election officers, encouraging electoral participation and civic engagement. Furthermore, the institution actively engages in promoting human values and professional ethics through initiatives like the establishment of a Value Education Cell by Dr. APJ Abdul Kalam Technical University, with AKGEC being among the initial five nodal centers advocating value education. Additionally, AKGEC hosts various workshops such as Art of Living, Conscious Engineering, Science of Relationships Through Self-Exploration, and Drishti 2023, all aimed at empowering personal growth and fostering holistic development. Also in our course curriculum two subject for students Constitution of India, law and engineering/Indian tradition, culture and society holistic education, offering students not only technical knowledge but also understanding of their country's legal framework and cultural heritage

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	https://www.akgec.ac.in/wp-content/uploads/2023/12/7.1.9-DETAILS-OF-ACTIVITIES-THAT-INCLUDES.pdf
Any other relevant information	https://www.akgec.ac.in/outside-participation/

<p>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</p>	<p>A. All of the above</p>
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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

The institution actively engages in commemorating national and international days, events, and festivals, fostering a sense of unity, celebration, and cultural enrichment within the campus community. This includes:

Independence Day and Republic Day: Celebrated with patriotic fervor, featuring various competitions like essay writing and poster making to honor the nation's freedom and democratic principles.

Cultural Festivals: Various festivals such as Holi, Garba, and Diwali are celebrated on campus, showcasing the rich diversity of Indian culture and traditions.

Departmental Clubs: Students organize and participate in competitions, cultural events, and institutional fests through various departmental clubs, promoting collaboration and talent development.

Basant Panchami: Celebrated with reverence, where faculty, staff, and families seek blessings from Maa Saraswati at the Faith Centre, fostering a spiritual atmosphere dedicated to learning.

New India Pledge: In commemoration of the 75th year of the Quit India Movement, the institution holds a ceremony where students, staff, and faculty pledge to contribute towards building a new and clean India.

Teachers' Day: Celebrated to honor the birth anniversary of Dr. Sarvepalli Radhakrishnan, acknowledging the invaluable contributions of teachers.

Engineers' Day: Observed annually to honor the engineering excellence of Sir Mokshagundam Visvesvaraya, celebrating the achievements and contributions of engineers to society.

Our college also celebrates Earth Day, Constitution day, Science Day, Women's Day and several such events under IIC Activities also every year.

Though these events the institution promotes cultural awareness, national pride and value driven education.

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

7.2 - Best Practices

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

Title 1- Mentorship and Buddy Program

Objective: Enhance the academic performance of all students.

Context:The programs are implemented for students who often require additional support to succeed academically.

Practice

Buddy Program:

- Each section selects the top five students and pairs them with the bottom five students to create buddy pairs.

Mentorship Program:

- Final-year and third-year students act as mentors for junior students.

Evidence of Success:

- Increased student participation.

Problems Encountered: Difficulties in matching students with compatible personalities.

Resources Required:

- Faculty members to coordinate and oversee the programs, and student mentors to participate actively.

Title2- Emphasizing Value-Based Education

Objective

- Develop well-rounded individuals who understand and embody values such as integrity, compassion, and social responsibility.

Context

This initiative is driven by the realization that academic knowledge should be complemented by a strong sense.

Practice

- Value Education Cell was established over a decade ago, that integrates value education into college activities for faculty and staff.

Evidence of Success

- Nodal Centre Recognition by AKTU & AICTE.

Problems Encountered

- Ensuring continuous participation and maintaining enthusiasm.

Resources Required

- **Human Resources:** Faculty and staff to lead the VE Cell and organize events, along with trained professionals to conduct courses in human values and ethics.
- **Financial Resources:** Funding for event organization, workshop materials, and regional outreach programs.

File Description	Documents
Best practices in the Institutional website	https://www.akgec.ac.in/wp-content/uploads/2023/12/7.2-best-practices.pdf
Any other relevant information	https://www.akgec.ac.in/wp-content/uploads/2023/12/7.2-ANY-OTHER-RELEVANT-INFO.pdf

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

The institution's distinctiveness lies in the following areas:

Infrastructure and Sustainability: AKGEC boasts top-notch infrastructure and a sustainable campus. With a sprawling 40-acre campus, it offers state-of-the-art facilities, eco-friendly initiatives, and comfortable accommodations for students.

Academic Excellence: Recognized for its academic prowess, AKGEC has received numerous awards for excellence in teaching, learning, and research. It ensures personalized attention, diverse student support programs, and a robust academic environment.

Industry-Academia Interface: AKGEC fosters strong ties with industry through its Centres of Excellence and skill development initiatives. It offers advanced training, certification programs, and consultancy services, enriching both students and external candidates.

Innovation and Entrepreneurship: Encouraging innovation, AKGEC provides resources like Idea Lab and collaborates with global institutions for knowledge exchange. It supports start-ups, hosts FAB Labs, and engages in joint research endeavours.

Research and Development Excellence: AKGEC emphasizes research across disciplines, promoting publications, patents, and collaborative projects. It hosts academic journals, conferences, and rewards faculty for R&D contributions.

Value-Based Education: AKGEC integrates value education into its curriculum, ensuring faculty and students uphold ethical standards. Through initiatives like the Value Education Cell, it instills values for personal and societal well-being.

Overall, AKGEC's best practices reflect its dedication to nurturing well-rounded individuals, fostering academic excellence, industry relevance, innovation, research, and ethical values.

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

In the upcoming year, we are committed to implementing several initiatives to promote gender equality, skill development, ICT-enabled teaching and learning, guidance for competitive exams, and effective mentorship and alumni relations.

We will renew the gender sensitization committee to ensure equal opportunities and representation for all genders, alongside organizing awareness programs and support services.

Our focus on skill development will further involve launching add-on programs tailored to industry demands, offering certifications in emerging technologies, soft skills, and entrepreneurship.

To further modernize teaching and learning, we will integrate more ICT tools into our curriculum and provide faculty training on ICT integration, fostering interactive and personalized

learning experiences.

Guidance for competitive exams will be enhanced through dedicated student club, mock tests, and expert sessions to equip students for success.

Our mentorship programs will pair students with alumni and professionals for valuable guidance and networking opportunities.

Furthermore, we will strengthen alumni relations through organized meets, career fairs, and mentorship initiatives, fostering a strong community spirit and facilitating knowledge exchange.

Throughout these endeavours, we will maintain regular feedback mechanisms to ensure the effectiveness and relevance of our initiatives.