Yearly Status Report - 2018-2019

Part A	
Data of the Institution	
1. Name of the Institution	**AJAY KUMAR GARG ENGINEERING COLLEGE**
Name of the head of the Institution	**Dr. P. K. Chopra**
Designation	**Director(in-charge)**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**01202761842**
Mobile no.	**9350023027**
Registered Email	**deansp@akgec.ac.in**
Alternate Email	**tpo@akgec.ac.in**
Address	**27 Km Stone, Delhi Hapur Bypass Road, Adhyatmik Nagar**
City/Town	**Ghaziabad**
State/UT	**Uttar pradesh**
Pincode	**201009**

2. Institutional Status

Affiliated / Constituent	**Affiliated**
Type of Institution	**Co-education**
Location	**Rural**
Financial Status	**private**
Name of the IQAC co-ordinator/Director	**Prof. P.K. Chopra**
Phone no/Alternate Phone no.	**01202761842**
Mobile no.	**9350023027**
Registered Email	**deansp@akgec.ac.in**
Alternate Email	**tpo@akgec.ac.in**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	https://akgec.ac.in/documents/AKGEC-AQAR-2017-18.pdf

4. Whether Academic Calendar prepared during the year

4. Whether Academic Calendar prepared during the year	**Yes**
if yes,whether it is uploaded in the institutional website: Weblink :	https://www.akgec.ac.in/academics/academic-calendar/

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	**B**	**2.79**	**2015**	**03-Mar-2015**	**02-Mar-2020**

6. Date of Establishment of IQAC

6. Date of Establishment of IQAC	**10-Oct-2014**

7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
Knowledge above Course	**20-Jul-2018**	**235**

Curriculum	365	

8. Provide the list of Special Status conferred by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
No Data Entered/Not Applicable!!!				
No Files Uploaded !!!				

9. Whether composition of IQAC as per latest NAAC guidelines:	**Yes**
Upload latest notification of formation of IQAC	View File
10. Number of IQAC meetings held during the year :	**1**
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	**Yes**
Upload the minutes of meeting and action taken report	View File
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	**No**

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

1) Awareness about new technologies. 2) Students to learn apart from normal teaching. 3) Students to get hands on experience.

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

Plan of Action	Achivements/Outcomes
No Data Entered/Not Applicable!!!	
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14. Whether AQAR was placed before statutory body ?	**No**
15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to	**Yes**

assess the functioning ?	
Date of Visit	01-Mar-2019
16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2019
Date of Submission	07-Mar-2019
17. Does the Institution have Management Information System ?	Yes
If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words)	Yes, College has ERP system in all departments/Sections. It helps to store student related information which enhance decision making for taking routine decisions related to students development and progress in the class, and further helps in planning their placement activity better, and also making its footprint on managing alumni in long run, and much more. MIS also help in managing our human resources, our experts and overall knowledge management in the organization.

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Planning and Implementation

1.1.1 – Institution has the mechanism for well planned curriculum delivery and documentation. Explain in 500 words

Institute makes following special efforts for the professional development of its faculty to facilitate effective curriculum delivery: 1.Detailed lecture-wise schedule and course material (preferably hand written notes) are prepared by the faculty for the subject allotted to them. 2.Modern teaching aids such as projectors with computer connectivity and audio-systems with microphone are provided in every classroom. 3.The attendance registers are inspected closely and thoroughly by the Head of the department once in a month to check teaching schedules and number of lectures delivered. 4.Regular meetings are conducted by the HOD with the faculty members to ensure coverage of topics as per syllabus. 5.Faculty is encouraged to pursue PhD programs and/or encouraged to take up the research work individually or in collaboration for improving their professional skills. 6.All the faculty members of various departments are encouraged to participate in National/International Conferences, Seminars, Training Programs, and also to organize National/International Conferences. Furthermore, faculty members are encouraged to publish their research findings in National and International journals. 7. Study leave is extended to faculty members who wish to pursue PhD programs. 8. Self-learning mode, modules with Computer based Training and CDs are available in library which enhances the knowledge bank of the faculty members. Additional initiatives taken by the institution for

effective curriculum delivery are listed below: • Virtual lab • Video lectures and presentation with NPTEL • Department Library and Central Library • EDUSAT • Software Development Center (SDC), various centers established under TIFAC-CORE are KUKA Robotics, Lab View (NI) and Automation Technology (BOSCH-REXORTH) provides opportunities to students to get industry relevant trainings and competence building beyond curriculum.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entrepreneurship	Skill Development
STTP33 on Automation Technologies	NA	24/08/2018	40	Employability	Automation Specialist
STTP – 34 on Automation Technologies	NA	02/01/2019	40	Employability	Automation Specialist
STTP – 35 on Automation Technologies	NA	08/01/2019	40	Employability	Automation Specialist
STTP – 36 on Automation Technologies	NA	04/03/2019	40	Employability	Automation Specialist
ITP – 09 on Automation Technologies	NA	11/06/2019	120	Employability	Automation Specialist
ITP – 10 on Automation Technologies	NA	18/06/2019	120	Employability	Automation Specialist
CNC Operator Machining Technician Level4 QPASC /Q3503NA	NA	01/10/2018	80	Employability	Machining Specialist
CNC Programmer Level4 (QP CSC/Q 0401)	NA	01/10/2018	80	Employability	Machining Specialist
WTP 03	NA	08/01/2019	80	Employability	Machining Specialist
STTP 05	NA	26/03/2019	80	Employability	Machining
STTP 06	NA	01/04/2019	80	Employability	Machining
ITP 04	NA	17/06/2019	120	Employability	Machining
VTP 04	NA	17/06/2019	120	Employability	Machining
PMKVYTI/01	NA	01/10/2018	400	Employability	Welding Specialist

Certificate Course in Welding Technology (AWTRC/2018/C WT/07)	NA	08/10/2018	80	Employabilit y	Welding Specialist
PMKVYTI/02	NA	16/10/2018	400	Employabilit y	Welding Specialist
Welding Technician Level 3 (AWT RC/2018/WTL3 /02)	NA	18/10/2018	80	Employabilit y	Welding Specialist
Certificate Course in Welding Technology (AWTRC/2018/C WT/08)	NA	15/04/2019	80	Employabilit y	Welding Specialist
Winter Training Program (AWT RC/2019/WTP/ 04)	NA	03/01/2019	80	Employabilit y	Welding Specialist
Winter Training Program (AWT RC/2019/WTP/ 05)	NA	08/01/2019	80	Employabilit y	Welding Specialist
Certificate Course in Welding Technology (AWTRC/2019/C WT/09)	NA	15/05/2019	80	Employabilit y	Welding Specialist
Summer Training Pro gram(AWTRC/2 019/STP/01)	NA	21/05/2019	40	Employabilit y	Welding Specialist
Summer Training Pro gram(AWTRC/2 019/STP/02)	NA	21/05/2019	40	Employabilit y	Welding Specialist
Competency Development Program for Welders, Indigo Airli nes(AWTRC/20 19/CP/04)	NA	01/04/2019	24	Employabilit y	Welding Specialist
Workshop on Brazing Technology,	NA	24/04/2019	16	Employabilit y	Welding Specialist

Honda R D (AWTRC/2019/CP/05)					
Welding Training Program for Engineers(AWTRC/2019/CP/06)	NA	26/06/2019	16	Employability	Welding Specialist
Welding Training Program for Engineers(AWTRC/2019/CP/07)	NA	11/07/2019	16	Employability	Welding Specialist
Short Term Training Program (AWTRC/2019/STTP/03)	NA	20/06/2019	80	Employability	Welding Specialist
Basic Robot Programming STTP71	NA	04/09/2018	80	Employability	Basic Robot Programmer
Basic Robot Programming Corporate STTP72	NA	08/10/2018	40	Employability	Basic Robot Programmer
Robot Operation Programming In Plant Training Corporate @ MCF STTP73	NA	17/09/2018	80	Employability	Basic Robot Programmer
Basic Robot Programming STTP74	NA	01/01/2019	80	Employability	Basic Robot Programmer
Advance Robot Programming STTP75	NA	12/01/2019	80	Employability	Basic Robot Programmer
Robot Operation Programming In Plant Training Corporate @ MCF STTP76	NA	28/01/2019	80	Employability	Basic Robot Programmer
Robot Operation Programming In Plant Training Corporate @	NA	25/03/2019	80	Employability	Basic Robot Programmer

MCF STTP77					
Basic Robot Programming ITP 16	NA	03/06/2019	120	Employabilit y	Basic Robot Programmer
Advance Robot Programming ITP 17	NA	05/06/2019	120	Employabilit y	Basic Robot Programmer
Basic Robot Programming ITP 18	NA	12/06/2019	120	Employabilit y	Basic Robot Programmer
Industrial Robotics Automation IRIMEE Corporate @ RDSOMCFLKO STTP78	NA	24/06/2019	40	Employabilit y	Basic Robot Programmer
Basic Robot Programming STTP79	NA	01/07/2019	80	Employabilit y	Basic Robot Programmer
STP01 on Embedded System and IOT	NA	20/05/2019	40	Employabilit y	Embedded Programmer
STP02 on Embedded System and IOT	NA	20/05/2019	40	Employabilit y	Embedded Programmer
STP01 on Innovation Camp	NA	20/05/2019	40	Employabilit y	Embedded Programmer
STTP 10 on Solid Edge	NA	21/08/2018	40	Employabilit y	Design Engineer
WTP01 on NXCAD/CAM	NA	09/01/2019	40	Employabilit y	Design Engin eerProgramme r
STTP11 on NXCAD/CAM	NA	15/02/2019	40	Employabilit y	Design Engineer
STP01 on Solid Edge	NA	20/05/2019	40	Employabilit y	Design Engineer
ITP04 on Digital Manu facturing	NA	07/06/2019	80	Employabilit y	Design Engineer

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
BTech	Computer Science	01/07/2019
BTech	Computer Science & Information Technology	01/07/2019

1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BTech	All B.Tech. Branches	01/07/2018

1.2.3 – Students enrolled in Certificate/ Diploma Courses introduced during the year

	Certificate	Diploma Course
Number of Students	731	0

1.3 – Curriculum Enrichment

1.3.1 – Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of Introduction	Number of Students Enrolled
No Data Entered/Not Applicable !!!		
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
No Data Entered/Not Applicable !!!		
[View File](#)		

1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution? (maximum 500 words)

Feedback Obtained

•Regular initial stage, intermediate and exit stage feedback is proposed to be taken from students for each course. This will be analyzed and used by HoDs to improve faculty performance through guidance and counseling. •Regular feedback is obtained from the employers about the alumni of the college employed by them. The aspects of curriculum and needs of training are also covered in the feedback. •Feedback is obtained from the parents of the graduates of the college. The aspects of curriculum and needs of training are also covered in the feedback. •Regular feedback is obtained from the alumni of the college. The aspects of curriculum and needs of training are also covered in the feedback. •Feedback obtained is analyzed and necessary action is taken to communicate the modifications required in the curriculum to the university.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
No Data Entered/Not Applicable !!!				
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2.2 – Catering to Student Diversity

2.2.1 – Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2018	3717	33	218	17	0

2.3 – Teaching - Learning Process

2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Toolsand resources available	Number of ICT enabled Classrooms	Numberof smart classrooms	E-resources and techniques used
235	129	10	87	9	8

2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

• Type of mentoring: Course Work Specific • Professional guidance/career advancement/course work specific/laboratory specific /all round development: All Round Development • Number of faculty mentors: Faculty in Department • Number of students per mentor: 2025 • Type of mentoring: Course Work Specific • Professional guidance/career advancement/course work specific/laboratory specific /allround development: All Round Development • Number of faculty mentors: Faculty in Department • Number of students per mentor: 2025 • Frequency of meeting:Once in a week Academic Counseling Slow learners are identified and are given special care, through regular counseling / academic advice by the subject teacher and mentor, and especially by the Students Counselors appointed by the Institute. Advanced learners are encouraged to prepare for National and International level competitive exams. Mentorship classes for weak students: In order to promote student linkages and involvement, a mentorship programme is conducted for difficult subjects. Under this programme, top notch students of the institute conduct lectures for weak and good students. This builds up a sentiment of selfless service and leadership skills within the student community at large. As an incentive, the college gives suitable cash reimbursements to such students. Also, general proficiency marks are enhanced in proportion to degree of participation. The overall programme is conducted under the supervision of concerned subject faculty. Extra classes or remedial classes and tutorial classes: The department arranges extra classes/remedial classes especially for the lateral entry students and identified week students. The faculty members are mainly repeat the topics discussed on that particular week and try to bridge up the knowledge gap especially to the week students. The department also arranges many workshops under various student chapters for the same purpose. Diagnosing and Tracking Student Performance and Attendance: After each month completion, the department identifies and motivates the students with lower attendance after accumulating all attendance of all subjects. Categorically most of them are week students and lack of interest in the course for various reasons. Also result of semester as well as internal examinations are duly analyzed by respective faculty members and head of the department. The department arranges parent teachers meeting at least once a semester for lower performing week students to motivate them. Enhancing English and Communication and Presentation Skills: Generally, the course curriculum has English as well as communication language courses to improve the communication skill of the students. Institute has English language lab where students can listen to tapes and use workbooks to improve their English, particularly spoken English in which they are weakest. Additionally extra classes like 'group discussion',' personality development',' seminar', 'grooming classes', are incorporated in regular class routines of various semesters even if those are not part of standard course curriculum keeping in mind about the week students.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
3750	235	1:20

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
207	235	0	31	57

2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
No Data Entered/Not Applicable !!!			

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2.5 – Evaluation Process and Reforms

2.5.1 – Number of days from the date of semester-end/ year- end examination till the declaration of results during the year

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
No Data Entered/Not Applicable !!!				

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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

Following resources and practices ensure student centric learning and independent learning: • Resources: a) Classrooms: All Class rooms are equipped with LCD Projection Systems, LCD Screens, USB ports for Laptop connectivity, Wireless Audio systems and Green board. These facilities enhance lecture delivery and effective communication. b) In all departments ,all faculty rooms are equipped with desktop computers, Laptops and all necessary resources such as WiFi connectivity which is available free of cost throughout the campus. c) Access to large number of online technical journals such as IEEE, ISTE, etc enhances the level of understanding. d) Availability of large number of text books, Reference books, Technical journals, Technical magazines etc. e) Enhanced lecture delivery support through smart class software modules procured from reputed vendors for certain subjects for enhancing the degree of understanding. f) Minimum 50 Hours of teaching is planned and imparted for every full unit subject per semester which is monitored by HoDs of each department. g) Each faculty, in consultation with HOD, prepares an ISO file before the commencement of the semester, discusses lesson plan(s) with students. h) Lesson notes are distributed/discussed after each module is covered in the class. i) Faculty's performance is closely monitored by respective HODs IQAC through periodic feedback from students. j) Collaboration with various industries for establishment of Centers of excellence. k) Encourage faculty to develop new experiments beyond syllabus. l) Promotion of technocultural environment through various Departmental societies run by student mentors under the guidance of faculty members m) Students do projects in group under the guidance of a teacher. n) Industrial visit is organized to

interact with the people in the field and know the practical utilization of their knowledge. o) Central computing, LAN facilities, eLibrary facilities help teachers and students in teaching learning process. p) Innovative topics over and above the curriculum are encouraged through IQAC. q) Regular guest lectures by eminent experts from industry and academia are organized to address novel areas. r) Mentorship program for difficult subjects is conducted by topnotch students for their succeeding batches. s) Students across various streams are selected within the campus by a project evaluation Committee set up by TIFACCORE at third year level to accomplish projects sought from various industries. t) Selected faculty members from various departments offer real time consultancy to various industries around NCR.

2.5.3 – Academic calendar prepared and adhered for conduct of Examination and other related matters (250 words)

Academic calendar is designed by the university at the beginning of each academic session which is to be followed by each affiliated colleges. Ajay Kumar Garg engineering college strictly follows the university calendar which includes: ? Starting of odd and even semester classes ? Dates for internal examination ? Sending of internal marks ? Sending of sessional marks ? Dates for semester examination ? Tentative dates for publication of results. Before the commencement of each academic session, Director conducts a meeting with the HoDs of various departments across the institution for devising an academic planner. The Academic planner displays all the academic events scheduled for an academic session in synchronism with the examination schedule of the University. These scheduled events include class tests, Sessional tests, preuniversity tests, list of holidays etc.

2.6 – Student Performance and Learning Outcomes

2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

https://www.akgec.ac.in/departments/electronics-and-communication-engineering/

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
No Data Entered/Not Applicable !!!					
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2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

www.akgec.ac.in

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Resource Mobilization for Research

3.1.1 – Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
No Data Entered/Not Applicable !!!				
View File				

3.2 – Innovation Ecosystem

3.2.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of workshop/seminar	Name of the Dept.	Date
No Data Entered/Not Applicable !!!		

3.2.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Excellence and Innovation in the Robotics Education	AKGEC	All India Council for Robotics Automation (AICRA)	16/04/2019	STEM Contribution Awards Conference 2019
World Robot Olympiad 2018	Students of AKGEC	India ATEM Foundation	15/09/2018	Ist Position in WRO2018
Anveshna 2019	Students of AKGEC	Agastya International Foundation	22/01/2019	Consolation Prize
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3.2.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsered By	Name of the Start-up	Nature of Start-up	Date of Commencement
No Data Entered/Not Applicable !!!					
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3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
0	0	11

3.3.2 – Ph. Ds awarded during the year (applicable for PG College, Research Center)

Name of the Department	Number of PhD's Awarded
No Data Entered/Not Applicable !!!	

3.3.3 – Research Publications in the Journals notified on UGC website during the year

Type	Department	Number of Publication	Average Impact Factor (if any)
International	CSE	9	2.05
International	ECE	9	1.73
International	IT	4	1.9
International	ME	14	2.18
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3.3.4 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
No Data Entered/Not Applicable !!!	

3.3.5 – Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
No Data Entered/Not Applicable !!!						

3.3.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
No Data Entered/Not Applicable !!!						

3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
No Data Entered/Not Applicable !!!				

3.4 – Extension Activities

3.4.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Blood Donation Camp	**Ghaziabad Administration**	**10**	**104**
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3.4.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
Accreditation	**5 B.Tech. branches accredited by NBA for the period of 3 years**	**National Board of Accreditation**	**4000**
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3.4.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites
Education	**AKGEC**	**Adoption of corporation of school in**	**0**	**6**

	Kazipura		

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3.5 – Collaborations

3.5.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration
No Data Entered/Not Applicable !!!			
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3.5.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
No Data Entered/Not Applicable !!!					
View File					

3.5.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
No Data Entered/Not Applicable !!!			
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CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
810	775

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Existing
Laboratories	Existing
Seminar Halls	Existing
Classrooms with LCD facilities	Existing
Seminar halls with ICT facilities	Existing
Video Centre	Existing
Value of the equipment purchased during the year (rs. in lakhs)	Existing
Number of important equipments purchased (Greater than 1-0 lakh)	Existing

during the current year	
Classrooms with Wi-Fi OR LAN	Existing

4.2 – Library as a Learning Resource

4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
KOHA	Fully	16.11.03	2014

4.2.2 – Library Services

Library Service Type	Existing	Newly Added	Total
No Data Entered/Not Applicable !!!			
View File			

4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platformon which module is developed	Date of launching e-content
Dr. Neelesh Kumar Gupta	MOOCs Recording	AKTU Digital Education	03/09/2019
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4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MGBPS)	Others
Existing	1456	33	1456	5	1	11	7	250	0
Added	132	0	132	0	0	0	0	100	0
Total	1588	33	1588	5	1	11	7	350	0

4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)

350 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
eLearning Resources AKTU	https://www.youtube.com/watch?v=39tL2YIKuh8&t=123s
eLearning Resources AKTU	https://www.youtube.com/watch?v=xicOxmDM0Sk&t=63s
Video lecture recording at U.P. Institute Of Design, C22, Sector62, Noida, Uttar Pradesh201301	https://www.youtube.com/watch?v=w6f_3y0S2xw&t=310s
Video lecture recording at U.P. Institute Of Design, C22, Sector62,	https://www.youtube.com/watch?v=73h33yciNxI&t=468s

4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurredon maintenance of physical facilites
460	421	615	570

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website, provide link)

Spread over 40 acre campus, AKGEC has excellent infrastructure with wellplanned complexes for each department having spacious laboratories, class rooms equipped with stateoftheart teaching aids, department libraries and faculty cabins. Departmental laboratories have the latest equipment and relevant licensed software. The college has stateoftheart computing facilities with over 1400 computers networked through broadband for Internet access. The college has a fully automated central library with over 1,00,000 books, national/international journals including ejournals and multimedia resources. WiFi enabled campus includes faculty residences and three boys and three girls hostels accommodating over 1500 students. Hostels have a library, TV room, canteen, general store, well equipped gymnasium as well as indoor and outdoor sports facilities. Intellectual property, which is reflected by the caliber of faculty, is a strong point for AKGEC. The Director, Dr R.K. Agarwal is a B. Tech from IIT, Kanpur, MS from C.I.T., Cranfield, U.K. and Ph.D from IISc, Bangalore. With such a strong intellectual capital, the college fosters and encourages a teaching methodology that has both a theoretical and practical approach. The Chairman, Shri Ashok Pal, an engineer and eminent educationist, says, "The College milieu encourages every student to develop respect for established norms and values and at the same time understand the importance of technical knowledge in human development" The college places special emphasis on collaboration with industries at various levels to groom the students to meet the industry standards. These include establishing collaborative facilities for student training in emerging multi disciplinary technologies and undertaking industry sponsored consultancy projects.

https://www.akgec.ac.in/about/

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	U.P. State Scholarship	983	64360096
Financial Support from Other Sources			
a) National	0	0	0
b)International	0	0	0
No file uploaded.			

5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
Personality Development Programme	18/07/2018	899	Advait Life Education Private Ltd.
No file uploaded.			

5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passedin the comp. exam	Number of studentsp placed
2019	PDP	118	550	7	899
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5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
0	0	0

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
No Data Entered/Not Applicable !!!					
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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
No Data Entered/Not Applicable !!!					
View File					

5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
No Data Entered/Not Applicable !!!	
View File	

5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
No Data Entered/Not Applicable !!!		

5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2019	Gold Medal	National	1	0	1502721113	Yashasvi Yadav
2019	Gold Medal	National	1	0	1502731167	Suryanshu Pandey
2019	Silver Medal	National	1	0	1802710090	Prakhar Gupta

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5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

The following societies/committees of students work under control/coordination of DSW. a) Taal b) Goonj c) Footprints d) Verve e) Euphony f) Media Photography Student Head Coordinators of each society/committee exercise admin control of the students towards participation in the events both inside outside the college. Head coordinators also ensure that the student members do well in their academics by approaching departmental HODs to arrange for extra classes if needed. In addition, each department has a professional society/committee known by the following names which hold technical /academic events pertaining to their respective discipline/branch. a) Pheonix (Dept. of Electronics Communication Engineering) b) Samveg (Dept. of Mechanical Engineering) c) Oorja (Dept. of Electrical Electronics Engineering) d) Conatus (Dept. of Computer Science Engineering) e) Big Data Centre (Dept. of Information Technology) f) Nirman (Dept. of Civil Engineering) g) Horizon (Dept. of Applied Sciences Humanities) Student Head Coordinators of the above stated professional societies/committees also exercise admin control and project their budgetary requirements, accordingly. Sports Athletics activities in the college are administratively coordinated by formally selected Student Captains and Vice Captains (Boys Girls Separately) under the guidance of College Sports Officer with overview by DSW.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

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. Since its formation, the college has been actively involved in facilitating networking amongst alumni for social and professional synergy.

5.4.2 – No. of enrolled Alumni:

11000

5.4.3 – Alumni contribution during the year (in Rupees) :

1000

5.4.4 – Meetings/activities organized by Alumni Association :

AKGEC organized its first annual alumni meet on 02 April, 2005. Keeping with the tradition, this year too, the alumni association had successfully organized the 15th Alumni Meet on 16th March 2019. The alumni meet was conducted in the Vedanta farms, adjoining the college campus. The meet was marked by the presence of around 250 alumni from 2002 to 2018 batches. Many Alumni visited with families. The meet started with welcoming the alumni and their families. Alumni participated in different party games like Tambola, Baloon Bursting, Musical Chair etc. During the meet, the Director, HoDs, Section Incharges and Faculty members informally interacted with the alumni, in which they shared their success stories, experiences and plans for the future. The event concluded with a Lucky Draw and flash mob followed by Dinner. The alumni departed with a promise to remain in touch with the Institute through various activities and to meet again in 2020.

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

The Director is the administrative head of the College. However certain administrative functions are delegated to the Heads of Departments and various functionary committees to ensure a decentralized governance system. The Governing body has also approved of the constitution of Committees involving Staff members, which perform an advisory role in matters within their designated sphere of activity and also help in the execution of administrative decisions. The college promotes a culture of participative management. The management of the college rests with its Governing Body, whose member, is appointed in accordance with the guidelines provided by Uttar Pradesh Technical University, Lucknow and AICTE. The Director is the academic and administrative head of the Institution and also the member secretary of the governing body. The Heads of Departments are responsible for the daytoday administration of the departments and report directly to the Director. Additionally, every department has distributed various duties among faculty members which play an important role in various institutional functions. These duties have been discussed in departmental meetings conducted and the minutes of these meetings are recorded.

6.1.2 – Does the institution have a Management Information System (MIS)?

Partial

6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

Strategy Type	Details
Curriculum Development	The institution is affiliated to APJ Abdul Kalam Technical University, Lucknow, U.P. Any changes /upgradation in the curriculum are solely handled by the university in consultation with members of BOS and BOG and suggestions incorporated from affiliated institutions through postal communication. However institute makes following special efforts for the professional development of its faculty to facilitate effective curriculum delivery: 1. Detailed lecturewise schedule and course material

| | | (preferably hand written notes) are prepared by the faculty for the subject allotted to them. 2. Modern teaching aids such as projectors with computer connectivity and audiosystems with microphone are provided in every classroom. 3. The attendance registers are inspected closely and thoroughly by the Head of the department once in a month to check teaching schedules and number of lectures delivered. 4. Regular meetings are conducted by the HOD with the faculty members to ensure coverage of topics as per syllabus. 5. Faculty is encouraged to pursue PhD programs and/or encouraged to take up the research work individually or in collaboration for improving their professional skills. 6. All the faculty members of various departments are encouraged to participate in National/International Conferences, Seminars, Training Programs, and also to organize National/International Conferences. Furthermore, faculty members are encouraged to publish their research findings in National and International journals. 7. Study leave is extended to faculty members who wish to pursue PhD programs. 8. Selflearning mode, modules with Computer based Training and CDs are available in library which enhances the knowledge bank of the faculty members. Additional initiatives taken by the institution for effective curriculum delivery are listed below: • Virtual lab • Video lectures and presentation with NPTEL • Department Library and Central Library • EDUSAT • Software Development Center (SDC), various centers established under TIFACCORE are KUKA Robotics, Lab View (NI) and Automation Technology (BOSCHREXORTH) provides opportunities to students to get industry relevant trainings and competence building beyond curriculum. |
| Teaching and Learning | The IQAC for each department comprises of HOD and department MR. The contribution of IQAC in improving teaching -learning process is: • To develop a system for conscious, consistent and catalytic improvement in the overall performance of institution. • Prepare and collect right feedback form to be filled by students so that the teaching style of the teacher can be judged. • Analyze the feedback and |

		give advisory for calibration if required to enhance deliveries. • Conduct seminar, interact with academicians and people from industry to get first hand information on the scientific trend and market need to boost the teaching quality. • Conduct periodic auditing of faculty members in terms of lecture deliveries with respect to predefined lecturewise schedule is carried out and reviewed by HoD and department MR (IQAC). • Monitor the performance of the students. • Arrange visiting faculty in thrust areas. • Conduct periodical meetings fortnightly with faculty members for further improvement.
Examination and Evaluation		By the University: University (AKTU) ensures the examination process that it is going on is strictly adhering the norms principles laid by the university. In this regard, University appoints Nodal center in charges, Center superintendent, Flying squads which are independent of each other. These entities cross verify the procedures and audit one another. This ensures smooth operations. Further these members are assigned rotational duties within a regular interval of number of examinations from the current semester examination to ensure impartial supervision. By the Institution: • Conducting a HoD meeting by the Director before every semester examination regarding the smooth conduct/implementation of examination rules, where every HoD give their suggestion on various aspects of examination and evaluation based upon the previous examinations. This enables further improvement in the subsequent examination and evaluation. • Conducting a general meeting of all faculty members by the Director/Examination Superintendent before end semester examination regarding the smooth conduct/implementation of examination rules, where every faculty members are encouraged to give their suggestion on various aspects of examination based upon inputs of previous examinations. Then the unanimous suggestions are implemented for the subsequent examinations the evaluations in conjunction with university norms.

Research and Development	The institution allocates funds centrally for research and development. Every department prepares a budget which includes budget allocation for Research activities. Same is approved and spent towards: a) Procurement of research equipments b) Upgradations of existing labs in terms of newer technologies. c) Procurement of vital components for execution of final year projects. In the past years a good amount of investment has been carried out across the institute.
Library, ICT and Physical Infrastructure / Instrumentation	Spread over 40 acre campus, the college has excellent infrastructure. The academic and administrative blocks, hostels and faculty residences surrounded by lush green lawns provide a conducive environment. The academic complex spanning over the main block, back block, lecture theatre block, mechanical engineering block, CSE and IT block is well provided with fully furnished lecture halls, well equipped laboratories, computer centre, library, seminar halls and faculty rooms to facilitate smooth conduct of courses in a befitting manner. College is WiFi enabled campus includes faculty residences and spacious well furnished hostels accommodation for Boys and Girls. The college provides a wide range of books and journals (including ejournals) for faculty and students to enhance and develop their talent. The college has sufficient volumes of all books in the issue section with some less frequently referred books kept in the Reference section of the library. Each department also has its own library to facilitate easy access. The college also gives 50 subsidy to faculty members for purchase of personal books to encourage a healthy habit of reading beyond the curriculum needs. The library is also a member of British Council Library and DELNET. The library is open for the students upto 9 pm daily and up to midnight during examination period. In addition to the central library, the departments maintain their own departmental libraries. Hostel libraries, managed by the students, maintain magazines, novels and motivational reading material.
Human Resource Management	The college has documented procedure

	for recruitment, training and development, motivation and appraisal for the faculty and staff. Our policy is to obtain the high quality human resources for academic and non academic activities. The College has a well defined and detailed recruitment policy. The main aspects include getting the widest spectrum of available candidates through advertisements in national, newspaper and on the Internet, properly constituted selection board, thorough interview including presentation, proper evaluation of performance and finally the selection. The interview board consists of the chairman of Board of governors, Director, Dean Academics, Concerned HoD, one specialist in the field from I.I.T or reputed colleges and one nominee of AKTU, Lucknow. Attractive remunerations are provided along with a good working environment to attract the best talent.
Industry Interaction / Collaboration	The college has interface with the industry at many levels including the following: ? Industrial/Summer Training of students. ? Student projects sponsored by the industry. ? Introduction of extra teaching modules proposed by the industry in the college. ? Industrial visits. ? Campus placements ? State of the Art Centres of Excellence in collaboration with eminent multinational companies For summer training of all B.Tech. Students after III year, the college has linkages with a large number of PSUs and Private sector industry in concerned disciplines. The exposure and association with the industry after the prefinal year provides the students with the requisite orientation for the specialized course and project work which are part of the final year curriculum. A number of students are involved in doing projects with the industry and the college encourages students to undertake industry relevant project work. With the varied needs of each type of industry, it will never be possible for any curriculum to meet the exact requirement of all industry. There will inevitably be a gap between the training imparted at any academic institution and the job requirements. This gap is filled by providing inhouse training to the fresh entrants by the

industry. The college has collaborated with industry and introduced modules designed by them in the curriculum. The college is part of INFOSYS campus connect programme. Under this programme, INFOSYS has designed and provided a 65 hrs module for which the faculty has been especially trained by the firm. College is committed to fulfilling the dreams of all those who graduate from College. Objective of the placement cell is to place the students in good companies. This is achieved through campus selections conducted in the college for which the students are trained in aptitude, technical and soft skills, much ahead of campus selections. The Cell believes in overall development of the students personality, which will help them to achieve a rewarding career. The only institution to have the following State of the Art Centres of Excellence in collaboration with eminent multinational companies to provide industry relevant training and project exposure which offers Global Certification to enhance global employability of students. AKGECKUKA Industrial Robotics training Centre. AKGECNI LabVIEW Academy. AKGECBOSCH Rexroth Centre of Competence in Automation Technologies. AKGECJANATICS Industrial Pneumatics Knowledge Centre. AKGECSiemens Product Lifestyle Management Centre of Excellence. AKGECAIA Competence Development Centre in Integrated Automation. AKGECAMC Advance Manufacturing Centre AKGEC Fronius Advance Welding Training and Research Centre AKGEC SKILLS FOUNDATION (ASF) a joint initiative of Ajay Kumar Garg Engineering College and National Skill Development Corporation (NSDC), under Ministry of Skill Development Entrepreneurship, has been instrumental for conducting skill development programs for 10th/ 12th pass, ITI/Diploma and Engineering graduates under 'Skill India Mission' of Government of India. ASF strives to encourage youths to come forward for developing their skills specifically in the domain of automation, robotics, manufacturing and fabrication, so that the disconnect between demand and supply of skilled manpower in the Industry can be bridged, productivity

	of the existing workforce can be increased and the training certification needs of the industry can be aligned. AKGEC Skills offers courses at par with global didactic concepts, in line with National Occupational Standards (NOS) and Qualification Packs (QP). Its objective is to offer Skill development trainings through industryinstitution collaboration to empower youths under Certification by nationally and internationally recognized Industries / Societies / Industry Associations / Sector Skill Councils (ASDC, CGSC, ESSCI, IASC) etc.
Admission of Students	85 of seats are filled by University through counseling on the basis of the State Entrance Exam (UPSEE) and the balance 15 seats are allotted as NRI/ management quota to meritorious students based on their rank in AKTU/JEE Entrance Exam and PCM percentage of the 12th class. Over the last three years, all general category seats to the college have nearly got filled during the first round of the counseling ensuring admission of highly meritorious students with very good state ranks.

6.2.2 – Implementation of e-governance in areas of operations:

E-governace area	Details
Planning and Development	All faculty rooms are equipped with desktop computers, furniture, pin boards etc. Besides this WiFi connectivity is also available free of cost throughout the campus. All Class rooms are equipped with LCD Projection Systems, LCD Screens, USB ports for Laptop connectivity, Wireless Audio systems and Green boards. These facilities enhance lecture delivery and effective communication.

6.3 – Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
No Data Entered/Not Applicable !!!
View File

6.3.2 – Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)

<div align="center">No Data Entered/Not Applicable !!!</div>

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6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration

<div align="center">No Data Entered/Not Applicable !!!</div>

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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
230	235	124	133

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
3 (Leave Encashment, Gratuity, Group Personal Accidental Policy)	5 (Leave Encashment, Gratuity, Group Personal Accidental Policy , Reimbursement of Tuition Fee Uniform)	1(Medical Insurance)

6.4 – Financial Management and Resource Mobilization

6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

The College has a governing body consisting of university AICTE nominee, management representatives and other industry and Academic members. Every financial year budget proposals including Income Expenditure details being submitted by the college to the governing body for their consideration and approval. The proposals are made on different heads such as laboratory equipment, library expenses, salary payments, building infrastructure and other maintenance expenses. The college has appointed an internal audit team for frequency visiting and auditing the accounts and utilization of various resources periodically. These audit reports are submitted to the Director on a monthly basis and action taken to improve the system. External: The annual balance sheet of the college is audited by an authorized audit team.

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

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose

<div align="center">No Data Entered/Not Applicable !!!</div>

<div align="center">No file uploaded.</div>

6.4.3 – Total corpus fund generated				
96439000				

6.5 – Internal Quality Assurance System

6.5.1 – Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	No		Yes	MR (Management Representative)
Administrative	No		Yes	MR (Management Representative)

6.5.2 – Activities and support from the Parent – Teacher Association (at least three)

Continuous counseling, attendance shortage monitoring and communication of the same to parents/guardian to ensure that the students enrolled complete the course successfully. In regard to this, Letter regarding: short attendance and debarred from sessional tests are being sent to parents on regular basis. Parents and local guardians are invited to the college and discuss the necessary action to be implemented for the progress of the student. Communications of the student's performance to the parents are through the following: o Display on the notice board o Through periodic performance reports to the parents. o Parents Teachers Meet. o Online information etc. Feedback from Parents are collected from time to time.

6.5.3 – Development programmes for support staff (at least three)

1.Five Days Staff Development Program (SDP) on "Latest Professional and Technical Skills in ECE" from 10th to 14th June 2019. 2. Staff Development Program for Lab Technicians of ME Department from 11 to 21 June 2019 3.Four Days Staff Development Program (SDP) on "Introduction to ECE Software Tools" from 6th to 11th June 2018. 4. Staff Development Program for Lab Technicians from 11 to 15 June 2018.

6.5.4 – Post Accreditation initiative(s) (mention at least three)

1) Awareness about new technologies 2) students to learn apart from normal teaching 3)Students to get hands on experience

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b)Participation in NIRF	Yes
c)ISO certification	No
d)NBA or any other quality audit	Yes

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2018	Knowledge above Course Curriculum	20/07/2018	20/07/2018	20/07/2018	235

CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Sports and Cultural Events	01/07/2018	30/06/2019	225	489

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources
The basic philosophy of AKGEC towards all processes and activities is oriented towards environmental sustenance and eco friendliness. The architecture, design and construction of college building is such that bricks and stones are used maximum and cement plastering is minimal which makes it maintenance free. The architecture of buildings ensures maximum sunlight on all floors. This allows high circulation of natural air and green plantations to flourish on all floors. The buildings are thermally insulated which keeps the temperature lower in summers and higher in winters, thereby reducing the need of power consumption. Conservation of electricity is ensured by its usage only when and where needed. Slowly a culture has been built amongst faculty and staff to put off appliances, light devices when they leave office. Conservation of electricity is also ensured by use of solar water heaters for providing hot water in all the 6 hostels of the college. A roof top solar power plant of 330 KW capacity has been installed in college campus. This power plant is linked with the electric grid of electricity department where surplus power generated is fed back through a meter installed for this purpose. Conservation of fossil fuels is ensured by making special efforts to coordinate and club various trips of vehicles required by different departments and optimize usage of vehicle.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	7
Provision for lift	Yes	7
Ramp/Rails	Yes	7

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2018	8	8	13/12/2018	222145	Awareness about Govt. Scheme and Organic Farming to Villages	Awareness was done through workshop. Information has been collected from National	30

						Centre of Organic Farming

7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
Introduction to Value Education	27/08/2018	•Understanding Value Education, • Selfexploration as the Process for Value Education, •The basic Human Aspirations – Continuous Happiness and Prosperity, •The Program to Fulfill Basic human Aspirations
Understanding the Harmony at Various Levels	25/02/2019	•Understanding the Human Being as Coexistence of Self ('I') and body, •Harmony in the Self ('I') – Understanding Myself, •Harmony with the Body – Understanding Sanyama and Svasthya, •Harmony in the Family – Understanding Values in Human Relationships, •Harmony in the Society – From Family Order to World Family Order, •Harmony in Nature – Understanding the Interconnectedness and Mutual Fulfilment, •Harmony in Existence – Understanding Existence as Coexistence
Implications of the Right Understanding	01/04/2019	•Providing the Basic for Universal Human Values and Ethical Human Conduct, •Basic for the Holistic Alternative towards Universal Human Order, •Professional Ethics in the Light of Right Understanding

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
05 Days (2 hrs daily) Workshop on "Understanding Relationships through SelfExploration"	27/08/2018	31/08/2018	55

05 Days (2 hrs daily) Workshop on "Understanding Relationships through SelfExploration"	04/02/2018	08/02/2018	30
05 Days (2 hrs daily) Refresher Workshop on "Understanding Relationships through SelfExploration"	01/04/2018	05/04/2018	7
05 Days (2 hrs daily) Workshop on "Understanding Relationships through SelfExploration"	25/02/2018	01/03/2018	25

7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

Following initiatives have been taken by AKGEC (a) Each block and building is surrounded by large open areas on which green lawns, hedges and planters maintain a healthy balance with environment. (b) A network of 20 rain harvesting systems in the campus ensure continuous recharging of ground water table. (c) The sewage treatment plant recycles the water filtered through its beds for use of horticulture, green lawns, hedges and plantations of college. (d) There is high focus on conservation of natural resources. Automatic water dispensers are used in toilets / urinals to avoid continuous running of water and ensure its usage when needed. (e) Special nozzles have been designed, fabricated fitted in water taps of all toilets in Campus to reduce flow of water to maintain minimum required flow of water and avoid wastage (f) The waste management area is given high priority. The recyclable garbage waste and non recyclable wastes are dumped in specified containers / dustbins. A separate agency with specialised expertise and dealing in waste collection and disposal has been hired to collect the wastes on daily basis. This company processes the bidegradable waste to make manure and dispose off cyclable noncyclable wastes as per established norms of Government.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Best Practices (A) 1. Title of Practice : Buddy Programme 2. Goal : To improve the performance of weak students in a class. 3. The context: The institution has a conducive learning environment. Slow learners and advance learners are identified and given remedial classes and special assignment respectively. Every department has a buddy program in which advance learners will also help slow learners. 4. The Practice: In this practice five top students and five bottom students according to their academic results are identified. Each topper is paired with one weak student. The topper helps the weak student to solve the assignments, numerical and to understand any topic/ concept of the subject from their syllabus. The progress of these students is then monitored by the assigned faculty coordinators. The progress is evaluated on the basis of their marks obtained in internal sessional tests. These students are required to meet the head of Department for their necessary guidance and further improvement. 5. Evidence of Success: The above mention concerted, focused and persistent efforts have resulted in significant improvement in quality and academic

standard of students. At the lower level of weak students, the failure rates have reduced significantly and the college has been having the best results in terms of pass percentages. 6. Problem Encountered Resources Required : All the resources are available in college. There may be problem with the students on their personal issues, which can be solved by proper counselling by the faculty coordinators. Best Practices (B) 1. Title of Practice: Mentorship Program 2. Goal : To create a student centric learning environment and systems to maintain good academic results and to enable students to realize their full potential and graduate with adequate professional competence required by the present day technologically advanced multinational industry. 3.The Context : Efforts have been made to identify and pay special attention to weak students by way of engaging them with bright students providing extra doubt clearing sessions through the mentorship program. With the swift growth in engineering education, the quality and academic standards have suffered. The poor quality and professional competence of engineering graduates has lead to increasing unemployment. The college has persistently focused on these factors and tried to create student centric learning systems and processes to improve the professional competence of students across the entire spectrum starting from weakest to the brightest student. 4. The Practice : Mentorship program involves problem solving, doubt clearing and topic teaching by the students of final year and third year to their respective junior students. A mentorship section is made by selecting fifteen students from each section which involves top students as well as bottom students of the class. Each mentorship section consists of thirty students from two sections. These students are selected by the faculty coordinators based on their academic results and overall performance. This gives support to weak students to improve their results. Every week there is one class of one subject. The student mentors are also given some stipend from the college. One other benefit of this program is the final year and third year mentor can review the concepts of subjects to qualify their competitive exams. Not only the junior student but the mentor is also benefitted by the program. The report is made every week and presented before the Head of Department for overall achievement of the program. Also the performance of every student is monitored on the basis of internal exams. 5. Evidence of Success : The overall quality improvement is evident from the high class averages and a large number of students of the college featuring in University merit lists. The college has consistently maintained itself in the highest category of ?3? of the University Comparative Gross Average Intellectual Attainment Chart. 7. Problems Encountered Resources Required : As a whole the system is well planned the resources are available in college. There may be problem with the students on their personal issues, which can be solved by proper counselling by the faculty coordinators.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link
www.akgec.ac.in

7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

Milestones • The only Institution in U.P. to have recieved approval from DST, Govt. of India for establishment of Centre of Relevance and Excellence (CORE) in the field of Industrial Automation and Robotics. • Recipient of Academic Excellence for "Best Engineering College in UPTU for Two Successive Years from H.E, The Governor of U.P. • Best Vocational Robotics Education Award 2018 by All India Council for Robotics and Automation • Skill Development Centre established in partnership with National Skill Development Corporation (NSDC) • Best LabVlEW Academy in India Award 2016 by National Instruments • Best

Technology Infrastructure of the Year Award 2018 by All India Council for Robotics and Automation Innovative Projects By Students • Student Project "Automated Inventory Management System declared Winner of Mitsubishi Electric Gold Cup 2017 • Student Project "Win Switch awarded amongst best three projects by "USIndia Startup Forum along with other two projects from alumni of IIT Kanpur IIM Ahmedabad • Best Student Project Award by Fluid Power Society of India at IISc, Bangalore • Winner of Inspiration Award in Smart India Hackathon organized by Ministry of HRD AICTE • Five students awarded as "University Innovation Fellows by H.P. Institute of Design, Stanford University, USA Unmatched and Unbeatable Records • 12 positions in the branch wise University Merit List with 2 Gold and 2 Bronze medals in 201718 • 12 positions in the branch wise University merit list with 2 Gold, 1 Silver and 3 Bronze medals in 201617 • 10 positions in the branch wise University merit list with 3Gold, 1 Silver and 1 Bronze medals in 201516 • AKTU Chancellor's Medal for 201718, 201617 and 201516 bagged by AKGEC students • Excellent Performance in GATE and CAT examinations • AKGEC graduates seeking admission to reputed institutions in India and abroad

Provide the weblink of the institution
https://www.akgec.ac.in/about/college-at-a-glance/

8.Future Plans of Actions for Next Academic Year

• To make use of highly qualified faculty in research work. • To orient the students towards ethical professional conduct and good moral values right from the beginning of their college education • To collaborate basic sciences with technology and open a new window of opportunities • To make use of labs like Physics lab in research related projects and Language lab for enhancing communication skills of students