

MANDATORY DISCLOSURE SESSION (2020-21)

**AJAY KUMAR GARG
ENGINEERING COLLEGE,
GHAZIABAD, U.P.**



**FOR
B.TECH. & M.TECH. COURSES**

Index Page

- I. Brief Profile of College**
- II. Name & Address of the Trust/ Society**
- III. Name & Address of the Director**
- IV. Name & Address of the Affiliating University**
- V. Governance**
- VI. Programmes**
- VII. Faculty**
- VIII. Profile of Director**
- IX. Fees**
- X. Admission**
- XI. Admission Procedure**
- XII. Criteria and Weightages for Admission**
- XIII. List of Applicants**
- XIV. Results of Admission Under Management seats / Vacant seats**
- XV. Information of Infrastructure and other Resources Available**
- XVI. Enrolment and Placement details of students in the last 3 years**
- XVII. List of Research Projects / Consultancy Works**
- XVIII. LoA and subsequent EoA till the current Academic Year**
- XIX. Accounted audited statement for the last three years**
- XX. Best Practices adopted**

1. Name of the Institution

• **Address including Telephone, Mobile, E-Mail**

Ajay Kumar Garg Engineering College

27th Km Milestone, Delhi - Meerut Expy, Ghaziabad, Uttar Pradesh 201009

Contact No. 087440 52891-94

Email Id: info@akgec.ac.in

2. Name and address of the Trust/ Society/ Company and the Trustees

• **Address including Telephone, Mobile, E-Mail**

Indian Institute of Management and Engineering Society

27th Km Milestone, Delhi – Hapur Bypass Road, Ghaziabad, Uttar Pradesh 201009

Contact No. 087440 52891

Email Id: info@akgec.ac.in

3. Name and Address of the Vice Chancellor/ Principal/Director

• **Address including Telephone, Mobile, E-Mail**

Dr. P.K. Chopra

Director

27th Km Milestone, Delhi – Hapur Bypass Road, Ghaziabad, Uttar Pradesh 201009

Contact No. 087440 52891

Email Id: choprapk@akgec.ac.in

4. Name of the affiliating University

Dr. A.P.J. Abdul Kalam Technical University,

formerly Uttar Pradesh Technical University

Vistar Yojna, Naya Khera, Jankipuram,

Lucknow, Uttar Pradesh 226031

5. Governance

• Members of the Board and their brief background

| S.No | Name of Member of BoG | Qualifications and position in the current engagements | Position in the BoG | Nominated by |
|--|-----------------------|--|---------------------|------------------------------------|
| Chairperson | | | | |
| 1. | Mr. Ashok Pal | B.Tech, University of Roorkee, Chairman, Elektrim Megadex India Pvt. Ltd. and President(North Region), Samarth Shiksha Samiti (Vidya Bharti) | Chairman | Registered Society |
| Members of the Trust/Society/Management | | | | |
| 2. | Mr. Dharampal Garg | B.Com , Commander in Chief, Civil Defence (Ministry of Home) | Vice Chairman | Registered Society |
| 3. | Mr. Rakesh Garg | B.Com & L.L.B, Secretary of Shambhu Dayal Degree College, Ghaziabad Chairman of Krishna Dental College, Ghaziabad Chairman of K.I.M.T Moradabad, Business: Garg Timber Corporation, Shikhar Building (P) Ltd. | Secretary | Registered Society |
| 4. | Mr. Adi Narayan Gupta | B.Com (Honors), Secretary Krishna Group of Institutions | Joint Secretary | Registered Society |
| 5. | Mr. Vinay Kumar Garg | B.Tech , M.Tech, Dipl. – Ing, Germany Secretary of Medical Science and education Trust. Trustee of Dr. R.S. G. Indo German Medical Centre charitable trust Business: M/s Tuhin Hotel (P) Ltd, Ghaziabad, U.P. | Treasurer | Registered Society |
| Two faculty members of the Institution | | | | |
| 6. | Dr. P K Chopra | B.E, M.Tech & PhD Professor & HoD-ECE,E&I, T&P AKGEC | Member | Board of Governors |
| 7. | Dr. Sunita Yadav | M.Sc, M.Tech. & PhD Professor & HoD-CSE, AKGEC | Member | Board of Governors |
| Educationists or Industrialists | | | | |
| 8. | Shri I.C. Agarwal | B.Tech (Hons) from I.I.T Kharagpur, MD Ghaziabad Precision Products, Ghaziabad | Member | Board of Governors (Industrialist) |

| | | | | |
|--|---|--|----------------------|---------------------------------------|
| 9. | Prof. S.K. Kak | Ph.D, Former Vice Chancellor Mahamaya Technical University, NOIDA Jaypee University of Information Technology, Wagnaghat & Chaudhary Charan Singh University, Meerut | Member | Board of Governors (Educationist) |
| 10. | Shri S.K Gupta | B.Com. (Honors), Chairman Jackson Engineers Ltd. | Member | Board of Governors (Industrialist) |
| One nominee of the AICTE/UGC | | | | |
| 11. | Mr. M.K. Parida, IAS | C-18, Hudco Place, New Delhi | Member | AICTE |
| One nominee of the State Government | | | | |
| 12. | Request letter sent to State Government is attached | | Member | State Government |
| One nominee of the University to which the Institution is affiliated | | | | |
| 13. | Prof. S.S. Murthy | Prof. Department of Electrical Engineering, IIT Delhi, Hauz Khas, New Delhi | Member | University |
| Head of the Institution, Ex-officio | | | | |
| 14. | Dr. R.K. Agarwal | B.Tech, M.S. & PhD Director General , AKGEC | Member- Secretary | Registered Society |

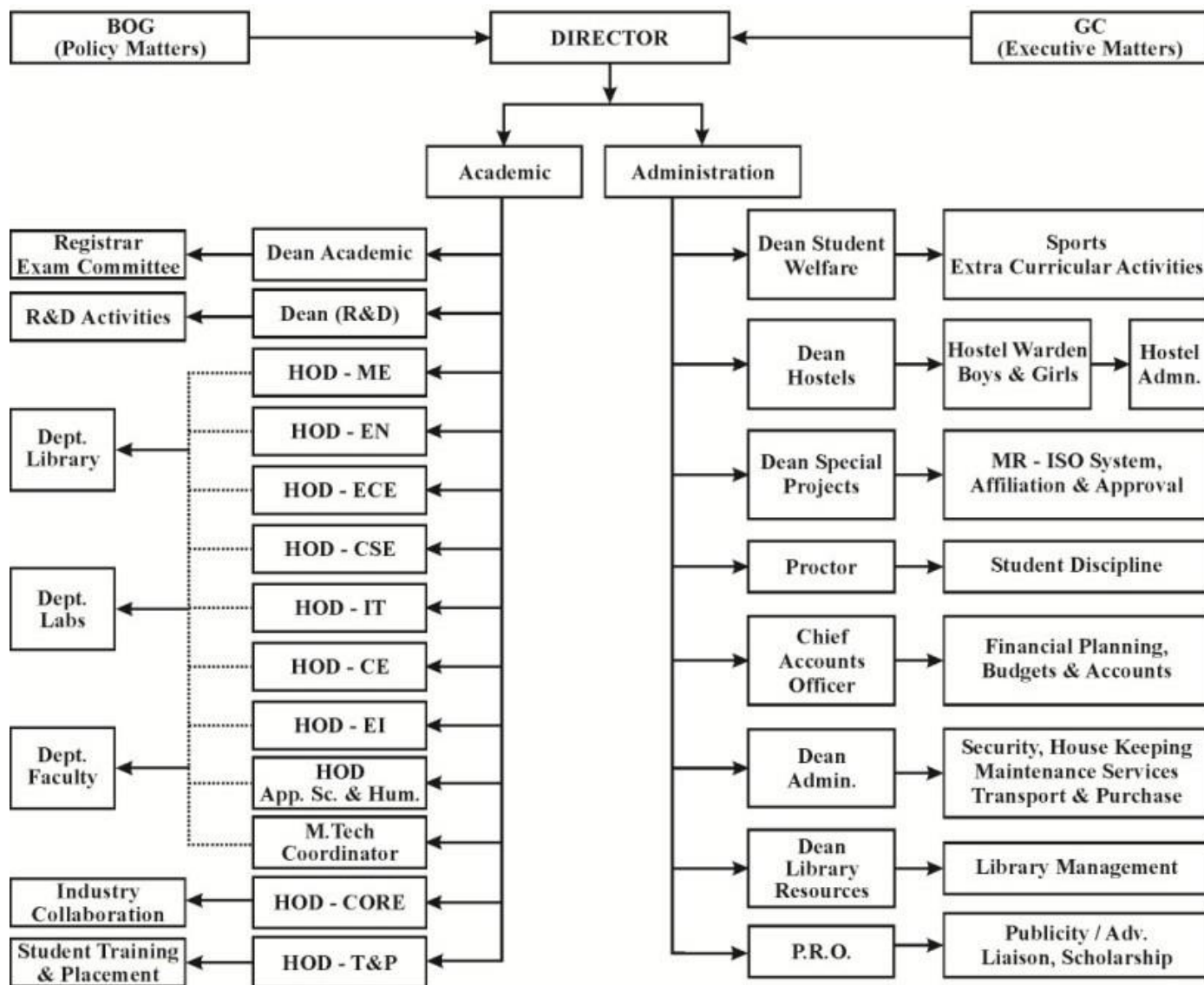
• **Members of Academic Advisory Body (Governing Council)**

| S.No. | Name | Designation |
|-------|------------------|-----------------------------|
| 1 | Sh. Ashok Pal | Chairman |
| 2 | Sh. Rakesh Garg | Member |
| 3 | Sh. S.K. Gupta | Member |
| 4 | Sh. Vinay Garg | Member |
| 5 | Dr. R.K. Agarwal | Director General & Convenor |

• **Frequently of the Board Meeting and Academic Advisory Body**

Board meeting is regularly held twice in a year and Academic Advisory Body meeting is regularly held every quarterly.

- **Organizational chart and processes**



- **Nature and Extent of involvement of Faculty and students in academic affairs/improvements**

The college has a constituted Board of Governors having 14 members including the members of management committee, eminent educationists, industrialists, bureaucrats and Faculty members of college. The Director of the college is the Member Secretary of the board. The board meets once in 6 months and reviews the progress on all fronts. All policy matters relating to additional courses, investment in additional infrastructure and other major resources, major systemic / organizational changes, perspective plan etc. are discussed and decided by the Board of Governors. The board also reviews and passes the annual budget.

The Governing Council of the college is composed of the Chairman, Secretary, Treasurer, one/two other members of the management committee and the Director General who acts as the Convener. The council meets once / twice in a month or as necessary to regularly review and decide on various functional issues of importance.

- **Mechanism/ Norms and Procedure for democratic/ good Governance**

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 day-to-day 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.

- **Student Feedback on Institutional Governance/ Faculty performance**

Feedback is obtained from the students in a formal manner at the end of each semester in the prescribed format. The feedback is analyzed by the examination control cell and sends it to the HoD concerned department and a summary of the same is prepared. This feedback mechanism is primarily used for indentifying the weaknesses in teaching learning process. The faculty is counseled by the head of the department so as to improve the process of teaching learning.

Feedback from the stakeholders such as employers, alumni, parents is obtained at regular intervals from which the adequacy of the curriculum is ascertained. Any changes/ upgradations in the curriculum are discussed by the college academic committee and the same is conveyed to the University for Necessary Action.

- **Grievance Redressal mechanism for Faculty, staff and students**

In order to redress individual as well as collective grievances of the Faculty, staff and students of the college, a grievance redressal mechanism has been devised.

Any aggrieved person may make, in writing, a complaint in written along with supporting documents to any member of committee. The Committee shall discuss and decide on its jurisdiction to deal with the case.

- **Establishment of Anti Ragging Committee**

The college has Anti Ragging Committee, Anti Ragging Squad as well other Student Counseling Committee as provisioned in UGC/AICTE regulation 2009. Constitution of the committee and the progress report sent to the University.

- **Establishment of Online Grievance Redressal Mechanism**

In order to address the grievances of Faculty & Staff of College, which are not taken care of by the normal available channels, a separate “Grievance Redressal Committee (GRC)” is constituted.

The concerned Faculty / Staff should contact any member of committee, preferably in writing, about their grievance so that suitable remedial action, if required, may be initiated by the committee. The grievance may also be registered online at www.akgec.ac.in. It may be noted that anonymous/ unnamed grievance / complaints without proper details will not be entertained.

It is expected that this will help maintain a positive, harmonious and conducive atmosphere in the College.

- **Establishment of Grievance Redressal Committee in the Institution and Appointment of OMBUDSMAN by the University**

For promoting better stakeholder relationship, the institution has set up a grievance redressal cell to attend to each and every complaint. The Institution immediately addresses the problems and solves them effectively. The member of the cell includes HoDs, senior faculties and staff members, under the leadership of the Director.

- **Establishment of Internal Complaint Committee (ICC)**

Under the provision of the Sexual Harassment of Women at Prevention, Prohibition and Redressal Act, 2013, the internal Complaint Committee is formed with 10 members.

In event of any incident of sexual harassment, lady staff/student may contact any member of the committee.

- **Establishment of Committee for SC/ST**

The scheduled Caste (SC) and Scheduled Tribes (ST) Committee is formed to promote the special interest of students in the reserved category and to provide special inputs in areas where the students experience difficulty.

According to the regulations framed by AICTE, the Committee must meet at least twice a year and the decisions arrived are mandatorily implemented. The Committee functions under the Chairmanship of the Director.

- **Internal Quality Assurance Cell**

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 lecture-wise 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.

6. Programmes

- Name of Programmes approved by AICTE

| S.No. | Branch Name | Intake in 2020-21 |
|-------|---|-------------------|
| | B.Tech. | |
| 1 | Civil Engineering | 90 |
| 2 | Computer Science & Engineering | 180 |
| 3 | Computer Science | 120 |
| 4 | Computer Science & Engineering (AI&ML) | 60 |
| 5 | Computer Science & Engineering (DS) | 60 |
| 6 | Computer Science & Information Technology | 90 |
| 7 | Electronics & Communication Engineering | 180 |
| 8 | Electrical & Electronics Engineering | 120 |
| 9 | Information Technology | 180 |
| 10 | Mechanical Engineering | 180 |
| | M.Tech. | |
| 11 | Computer Science & Engineering | 18 |
| 12 | Electronics & Communication Engineering | 18 |
| 13 | Electrical & Electronics Engineering | 18 |
| 14 | Mechanical Engineering | 18 |
| | B.Voc. | |
| 15 | Production Technology | 60 |
| 16 | Automobile Servicing | 60 |

- Name of Programmes Accredited by NBA

- (1) Computer Science & Engineering
- (2) Electronics & Communication Engineering
- (3) Electrical Engineering
- (4) Information Technology
- (5) Mechanical Engineering

- Status of Accreditation of the Courses: **Accreditation of above 05 UG courses are valid till 30 June,2022**

- Total number of Courses: **16**
- No. of Courses for which applied for Accreditation: **NA**
- Status of Accreditation – Preliminary/ Applied for SAR and results awaited/ Applied for SAR and visits completed/ Results of the visits awaited/ Rejected/ Approved for . . .Courses (specify the number of courses): **Courses are accredited till 30 June,2022**

- For each Programme the following details are to be given (Preferably in Tabular form):

- Name
- Number of seats
- Duration
- Cut off marks/rank of admission during the last three years
- Fee (as approved by the state government)
- Placement Facilities
- Campus placement in last three years with minimum salary, maximum salary and average salary

| S.No. | Branch Name | Seats | Duration | Entry Level | Fee in Rs. | Placement Facilities |
|-------|---|-------|----------|-------------|------------|----------------------|
| | B.Tech. | | | | | |
| 1 | Civil Engineering | 90 | 4 Years | 10+2 | 1,11,256/- | Yes |
| 2 | Computer Science & Engineering | 180 | 4 Years | 10+2 | 1,11,256/- | Yes |
| 3 | Computer Science | 120 | 4 Years | 10+2 | 1,11,256/- | Yes |
| 4 | Computer Science & Engineering (AI&ML) | 60 | 4 Years | 10+2 | 1,11,256/- | Yes |
| 5 | Computer Science & Engineering (DS) | 60 | 4 Years | 10+2 | 1,11,256/- | Yes |
| 6 | Computer Science & Information Technology | 90 | 4 Years | 10+2 | 1,11,256/- | Yes |
| 7 | Electronics & Communication Engineering | 180 | 4 Years | 10+2 | 1,11,256/- | Yes |
| 8 | Electrical & Electronics Engineering | 120 | 4 Years | 10+2 | 1,11,256/- | Yes |
| 9 | Information Technology | 180 | 4 Years | 10+2 | 1,11,256/- | Yes |
| 10 | Mechanical Engineering | 180 | 4 Years | 10+2 | 1,11,256/- | Yes |

| | | | | | | |
|----|---|----|---------|---------|------------|-----|
| | M.Tech. | | | | | |
| 11 | Computer Science & Engineering | 18 | 2 Years | B.Tech. | 1,11,256/- | Yes |
| 12 | Electronics & Communication Engineering | 18 | 2 Years | B.Tech. | 1,11,256/- | Yes |
| 13 | Electrical & Electronics Engineering | 18 | 2 Years | B.Tech. | 1,11,256/- | Yes |
| 14 | Mechanical Engineering | 18 | 2 Years | B.Tech. | 1,11,256/- | Yes |
| | B.Voc. | | | | | |
| 15 | Production Technology | 60 | 3 Years | 10+2 | 50,000/- | Yes |
| 16 | Automobile Servicing | 60 | 3 Years | 10+2 | 50,000/- | Yes |

Last Rank for admission during last three years

| S.No. | Branch | 2018-19 | 2019-20 | 2020-21 |
|--------------|---------------|----------------|----------------|----------------|
| 1 | CSE | 5616 | 6279 | 3939 |
| 2 | CS | Not Started | 8159 | 7274 |
| 3 | CSIT | Not Started | 8894 | 8385 |
| 4 | CS (AIML) | Not Started | Not Started | 4392 |
| 5 | CS (DS) | Not Started | Not Started | 6300 |
| 6 | ECE | 14511 | 24651 | 20402 |
| 7 | E I | 34789 | 80721 | Course Closed |
| 8 | EN | 19508 | 82615 | 72538 |
| 9 | IT | 8162 | 12152 | 9862 |
| 10 | ME | 19495 | 81436 | 71590 |
| 11 | CIVIL | 23576 | 82694 | 67125 |

Placement Facilities

AKGEC believes that each student is a valuable resource. The placement cell focuses on each student to maximize his/her career prospects and assists him/her in achieving the same. Students are placed through campus recruitment programs. The Training and Placement Cell is committed to fulfilling the dreams of all those who graduate from A.K.G. Engineering College. Objective of the placement cell is to place 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.

Number of students placed by College through its placement Cell

| Year | S.No. | Branch Name | Number of Students Placed | Minimum Salary in Lakhs per Annum | Maximum Salary in Lakhs per Annum | Average Salary in Lakhs per Annum |
|----------------|-------|---|---------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| | | B.Tech. | | | | |
| 2017-18 | 1 | Civil Engineering | 5 | 1.80 | 3.25 | 2.31 |
| | 2 | Computer Science & Engineering | 243 | 1.80 | 9.00 | 3.47 |
| | 3 | Electronics & Communication Engineering | 134 | 1.50 | 9.00 | 3.14 |
| | 4 | Electronics & Instrumentation Engineering | 28 | 1.50 | 4.80 | 2.61 |
| | 5 | Electrical & Electronics Engineering | 46 | 1.50 | 9.00 | 2.78 |
| | 6 | Information Technology | 133 | 1.80 | 12.00 | 3.72 |
| | 7 | Mechanical Engineering | 37 | 1.80 | 5.50 | 2.96 |
| | | | | | | |
| 2018-19 | 1 | Civil Engineering | 8 | 2.00 | 7.00 | 3.50 |
| | 2 | Computer Science & Engineering | 345 | 2.20 | 10.61 | 3.95 |
| | 3 | Electronics & Communication Engineering | 153 | 2.00 | 6.29 | 3.48 |
| | 4 | Electronics & Instrumentation Engineering | 15 | 3.03 | 4.20 | 3.52 |
| | 5 | Electrical & Electronics Engineering | 47 | 1.80 | 5.04 | 3.19 |
| | 6 | Information Technology | 235 | 2.40 | 12.02 | 3.88 |
| | 7 | Mechanical Engineering | 44 | 2.00 | 7.00 | 3.50 |
| | | | | | | |
| 2020-21 | 1 | Civil Engineering | 20 | 2.30 | 5.00 | 3.51 |
| | 2 | Computer Science & Engineering | 317 | 1.80 | 12.40 | 4.23 |
| | 3 | Electronics & Communication Engineering | 180 | 1.20 | 12.02 | 3.75 |
| | 4 | Electronics & Instrumentation Engineering | 30 | 3.00 | 8.00 | 3.96 |
| | 5 | Electrical & Electronics Engineering | 54 | 2.00 | 12.40 | 3.88 |
| | 6 | Information Technology | 194 | 1.80 | 10.20 | 3.94 |
| | 7 | Mechanical Engineering | 95 | 1.80 | 12.40 | 3.50 |

- Name and duration of Programme(s) having Twinning and Collaboration with Foreign University(s) and being run in the same Campus along with status of their AICTE approval. If there is Foreign Collaboration, give the following details: **NA**
 - Details of the Foreign University
 - Name of the University
 - Address
 - Website
 - Accreditation status of the University in its Home Country
 - Ranking of the University in the Home Country
 - Whether the degree offered is equivalent to an Indian Degree? If yes, the name of the agency which has approved equivalence. If no, implications for students in terms of pursuit of higher studies in India and abroad and job both within and outside the country
 - Nature of Collaboration
 - Conditions of Collaboration
 - Complete details of payment a student has to make to get the full benefit of Collaboration
- For each Programme Collaborated provide the following: **NA**
 - Programme Focus
 - Number of seats
 - Admission Procedure
 - Fee (as approved by the state government)
 - Placement Facility
 - Placement Records for last three years with minimum salary, maximum salary and average salary
 - Whether the Collaboration Programme is approved by AICTE? If not whether the Domestic/
 - Foreign University has applied to AICTE for approval

7. Faculty


- Course/Branch wise list Faculty members:
 - Permanent Faculty
 - Adjunct Faculty
 - Permanent Faculty: Student Ratio

| Name of Course | Total sanctioned intake for four years | Total faculty required from First to Final Years | Permanent Faculty Available | | | | FSR | No. of Adjunct Faculty |
|---|--|--|-----------------------------|---------------------|---------------------|------------|------|------------------------|
| B.Tech. | | | Professor | Associate Professor | Assistant Professor | Total | | |
| Civil Engineering | 450 | 23 | 3 | 0 | 20 | 23 | 1:20 | 2 |
| Computer Science & Engineering | 720 | 36 | 4 | 5 | 28 | 37 | 1:20 | 3 |
| Computer Science | 180 | 9 | 0 | 1 | 8 | 9 | 1:20 | NIL |
| Computer Science & Engineering (AI&ML) | 60 | 3 | 0 | 0 | 5 | 5 | 1:12 | NIL |
| Computer Science & Engineering (DS) | 60 | 3 | 1 | 0 | 2 | 3 | 1:20 | NIL |
| Computer Science & Information Technology | 150 | 8 | 0 | 0 | 10 | 10 | 1:15 | NIL |
| Electronics & Communication Engineering | 720 | 36 | 2 | 2 | 34 | 38 | 1:19 | 5 |
| Electronics & Instrumentation Engineering | 180 | 9 | 0 | 1 | 8 | 9 | 1:20 | NIL |
| Electrical & Electronics Engineering | 480 | 24 | 2 | 2 | 23 | 27 | 1:18 | 3 |
| Information Technology | 600 | 30 | 3 | 3 | 24 | 30 | 1:20 | 2 |
| Mechanical Engineering | 720 | 36 | 5 | 1 | 36 | 42 | 1:17 | 9 |
| M.Tech. | | | | | | | | |
| Automation & Robotics | 18 | 2 | 1 | 1 | 0 | 2 | 1:9 | NIL |
| Computer Science & Engineering | 36 | 3 | 0 | 2 | 1 | 3 | 1:12 | NIL |
| Electronics & Communication Engineering | 36 | 3 | 0 | 0 | 3 | 3 | 1:12 | NIL |
| Electrical & Electronics Engineering | 36 | 3 | 1 | 1 | 1 | 3 | 1:12 | NIL |
| Mechanical Engineering | 36 | 3 | 0 | 1 | 2 | 3 | 1:12 | NIL |
| | | | | | | | | |
| Total | | 231 | | | | 247 | | |

- Number Faculty employed and left during the last three years

| Sl.No. | Academic Year | Total number of Faculty Joined | Total number of Faculty Left |
|--------|---------------|--------------------------------|------------------------------|
| 1 | 2020-21 | 09 | 11 |
| 2 | 2019-20 | 14 | 21 |
| 3 | 2018-19 | 32 | 28 |

8. Profile of Director

| | | | | | |
|--|------------|--|--|---|---|
| Name of Teaching Staff | | Dr. P.K. CHOPRA | |  | |
| Designation | | Director | | | |
| Department | | ECE | | | |
| Date of joining the Institution: | | 20/10/2004 | | | |
| Date of Birth | 08/06/1958 | Unique ID | 1-421824561 | | |
| Qualifications with Class/Grade | | UG (Degree Name) B.Sc.(Engg) | PG (Degree Name) M.Sc., M.Tech | PhD Ph D | |
| | | Percentage /CGPA I-Div | Percentage /CGPA I-Div | | |
| Total Experience in Years (Should not be repeated) | | Teaching (Excluding Research) | Industry | Research | Others |
| | | 17 Years | 24 Years | - | - |
| No. of Papers Published in Journals | | National | | International | |
| | | 02 | | 15 | |
| No. of Papers Presented in Conferences | | National | | International | |
| | | 01 | | 02 | |
| Area of Specialization | | RADAR, SATELLITE COMMUNICATION, MOBILE COMMUNICATION | | | |
| PhD Guide? Give field & University | | Field | | University | |
| | | Electronics & Communication | | AKTU | |
| No. of PhDs/Projects Guided | | PhDs Ongoing | PhDs Completed | Projects at Master level | |
| | | - | 01 | 12 | |
| Research Guidance (Number of Students) | | No. of Papers Published in National Journals | No. of Papers Published in National Conferences | No. of Papers Published in International Journals | No. of Papers Published in International Conferences |
| | | - | - | 11 | 02 |
| Books Published/IPRs (Books Details- Title/ISBN/Publisher/Year) | | - | | | |
| Projects Carried Out | | - | | | |
| Courses Taught | | Diploma | Post Diploma | Under Graduate | Post Graduate |
| | | | | B.Tech | |
| Patent (Filed/Granted) | | - | | | |
| Professional Memberships | | IETE | | | |
| Grants Fetched / Awards | | AKTU VISVESARAYA RESEARCH PROMOTION SCHEME 2019-20 Awards: Vishist Sewa Medal by President of India | | | |
| Interaction with Professional Institutions | | Member of B.O.G in AKTU | | | |
| Technology Transfer | | | | | |

9. Fee

- **Details of Fee, as approved by State Fee Committee, for the Institution**

B.Tech, M.Tech. & MCA Course fees Rs. 1,11,256/- per year

- **Time schedule for payment of Fee for the entire Programme**

Charged Annually

- **No. of Fee waivers granted with amount and name of students**

Total 59 students were admitted in the year 2020-21 under TFW (Tuition Fee Waiver) category by AKTU, Lucknow.

| SL. NO. | NAME OF STUDENTS | BRANCH |
|---------|-------------------------|-----------|
| 1 | ADITYA SINGH | CIVIL |
| 2 | MITENDRA YADAV | CIVIL |
| 3 | SHEKHAR SRIVASTAVA | CIVIL |
| 4 | DEEPAK SAINI | CS |
| 5 | MUKUND TIWARI | CS |
| 6 | SACHIN VERMA | CS |
| 7 | SANKALP CHATURVEDI | CS |
| 8 | VARSHA SHAKYA | CS |
| 9 | VIVEK SHARMA | CS |
| 10 | ABHINAV SHARMA | CSE |
| 11 | ANKIT KUMAR THAKUR | CSE |
| 12 | CHIRAG KULSHRESTHA | CSE |
| 13 | MANGLESH KUMAR | CSE |
| 14 | MRADUL PALIWAL | CSE |
| 15 | VIPIN CHAUDHARY | CSE |
| 16 | VIPIN KUMAR MAURYA | CSE |
| 17 | YASH VARDHAN | CSE |
| 18 | ABHINAV GUPTA | CSE(AIML) |
| 19 | MANSHI MALIK | CSE(AIML) |
| 20 | SATVIK MAHESHWARI | CSE(AIML) |
| 21 | CHANDAN MISHRA | CSE(DS) |
| 22 | RISHAV RAJ SINGH | CSE(DS) |
| 23 | SOUMYA GUPTA | CSE(DS) |
| 24 | ANCHAL | CSIT |
| 25 | HIMANSHU AGARWAL | CSIT |
| 26 | PRATHAM YADAV | CSIT |
| 27 | SHASHWAT PANDEY | CSIT |
| 28 | ANUJ KUMAR KANNOJIYA | ECE |
| 29 | ARUNENDRA UTKARSH | ECE |
| 30 | DAKSHIT PRADHAN | ECE |
| 31 | MANISH RANA | ECE |
| 32 | MOHD WASHI | ECE |
| 33 | RITIK KUMAR | ECE |
| 34 | SHIVAM MISHRA | ECE |
| 35 | TUSHAR SHARMA | ECE |
| 36 | ANUBHAV KUMAR BARANWAL | EN |
| 37 | ASHISH BAJPAI | EN |
| 38 | MOHAMMAD KASIM | EN |
| 39 | PRANJUL SINGH | EN |
| 40 | PRATEEK KUMAR SRIVASTAV | EN |
| 41 | VISHAL SHUKLA | EN |
| 42 | ANUJ GUPTA | IT |

| | | |
|----|----------------------|----|
| 43 | AYUSH KAUSHAL | IT |
| 44 | DEEKSHA JINDAL | IT |
| 45 | DIVYANSHU SHUKLA | IT |
| 46 | GAURAV VERMA | IT |
| 47 | SACHIN KUMAR | IT |
| 48 | SAURABH MAURYA | IT |
| 49 | SPARSH VAISHYA | IT |
| 50 | TATHAGAT TIWARI | IT |
| 51 | ARJUNKARTIKEY | ME |
| 52 | ASHISH JAISWAL | ME |
| 53 | AYUSH SHARMA | ME |
| 54 | HARSH SINGH | ME |
| 55 | MADHUSUDAN YADAV | ME |
| 56 | MD TOUHEED RIZWAN | ME |
| 57 | RISHABH KUMAR MISHRA | ME |
| 58 | SHIV KUMAR CHAUHAN | ME |
| 59 | UTSAH SINGH | ME |

• **Number of scholarship offered by the Institution, duration and amount**

| Sl.No. | Category | Number of Students | Amount in Rs. |
|--------|----------|--------------------|-------------------|
| 1 | SC/ST | 115 | 137,31,282 |
| 2 | General | 436 | 236,26,150 |
| 3 | OBC | 527 | 292,11,100 |
| 4 | Minority | 58 | 32,52,000 |
| | Total | 1136 | 698,20,532 |

• **Criteria for Fee waivers/scholarship**

**ACADEMIC PERFORMANCE AWARDS FOR STUDENTS
POSITION AT UNIVERSITY LEVEL (Final Year)**

Across The Branches

| | |
|--|-------------|
| First Position Holder | Rs. 50000/- |
| Second Position Holder | Rs. 45000/- |
| Third Position Holder | Rs. 40000/- |
| Fourth to 10 th Position Holder | Rs. 30000/- |

Branch-wise

| | |
|--|-------------|
| First Position Holder | Rs. 40000/- |
| Second Position Holder | Rs. 35000/- |
| Third Position Holder | Rs. 30000/- |
| Fourth to 10 th Position Holder | Rs. 20000/- |

POSITION AT COLLEGE LEVEL (FINAL YEAR)

(Position holders at College level based on combined results of first year to final year)

Across The Branches

| | |
|---------------------------------|-------------|
| AKGEC GOLD MEDAL College Topper | Rs. 20000/- |
| AKGEC SILVER MEDAL Second Rank | Rs. 15000/- |
| AKGEC BRONZE MEDAL Third Rank | Rs. 10000/- |

Branch-wise

| | |
|--------------------------------|-------------|
| AKGEC GOLD MEDAL First Rank | Rs. 15000/- |
| AKGEC SILVER MEDAL Second Rank | Rs. 12000/- |
| AKGEC BRONZE MEDAL Third Rank | Rs. 10000/- |

POSITION AT UNIVERSITY LEVEL (Other than Final Year)
(Across The Branches / Branch-wise)

| | |
|--|------------|
| First Position Holder | Rs.25000/- |
| Second Position Holder | Rs.20000/- |
| Third Position Holder | Rs.15000/- |
| Fourth to 10 th Position Holder | Rs.10000/- |

POSITION AT COLLEGE LEVEL (Other than final year)

| | |
|---|------------|
| College Topper (Year wise amongst all branches) | Rs.10000/- |
|---|------------|

Branch-wise

| | |
|-----------------|-----------|
| First Position | Rs.5000/- |
| Second Position | Rs.4000/- |
| Third Position | Rs.3000/- |

Performance in Internal exams
(Section-wise)

| | | |
|------------------------|-----------------------------------|-------------------------------|
| Criteria of Attendance | 90% and above Best Student | Rs. 2000/- (Rs. 3000 if 100%) |
| | 90% and above Second Best Student | Rs. 1000/- |
| Criteria of ST-1 | 80% and above Best Student | Rs. 1000/- |
| Criteria of ST-2 | 80% and above Best Student | Rs. 2000/- |
| Criteria of PUT | 80% and above Best Student | Rs. 3000/- |

Criteria for TFW (Tuition Fee Waiver)

Sons/ Daughters of parents whose annual income from all sources does not exceed ₹. 8.00 Lakh. The Waiver is limited to the Tuition Fee as approved by the State Level Fee Committee for Self-Financing Institutions and by the Government for the Government/ Government aided institutions. All other Fees except Tuition Fee shall have to be paid by the beneficiary.

• **Estimated cost of Boarding and Lodging in Hostels**

Rs. 1,00,000/- per year per students (Hostel Accommodation Charges & Mess Charges)

• **Any other fee please specify: NA**

10. Admission

- Number of seats sanctioned with the year of approval 2020-21

| S.No. | Branch Name | Intake in 2020-21 |
|-------|---|-------------------|
| | B.Tech. | |
| 1 | Civil Engineering | 90 |
| 2 | Computer Science & Engineering | 180 |
| 3 | Computer Science | 120 |
| 4 | Computer Science & Engineering (AI&ML) | 60 |
| 5 | Computer Science & Engineering (DS) | 60 |
| 6 | Computer Science & Information Technology | 90 |
| 7 | Electronics & Communication Engineering | 180 |
| 8 | Electrical & Electronics Engineering | 120 |
| 9 | Information Technology | 180 |
| 10 | Mechanical Engineering | 180 |
| | M.Tech. | |
| 11 | Computer Science & Engineering | 18 |
| 12 | Electronics & Communication Engineering | 18 |
| 13 | Electrical & Electronics Engineering | 18 |
| 14 | Mechanical Engineering | 18 |
| | B.Voc. | |
| 15 | Production Technology | 60 |
| 16 | Automobile Servicing | 60 |

- Number of Students admitted under various categories each year in the last three years

Year 2020-21

| Sl. No. | Branch | Sanctioned Intake | Actual Admission |
|---------|--------------|-------------------|------------------|
| 1 | CIVIL | 90 | 55 |
| 2 | CSE | 180 | 196 |
| 3 | CS | 120 | 132 |
| 4 | CSIT | 90 | 98 |
| 5 | CSE(AI ML) | 60 | 66 |
| 6 | CSE(DS) | 60 | 64 |
| 7 | ECE | 180 | 196 |
| 8 | EN | 120 | 99 |
| 9 | IT | 180 | 199 |
| 10 | ME | 180 | 104 |
| | TOTAL | 1260 | 1209 |

Year 2019-20

| Sl. No. | Branch | Sanctioned Intake | Actual Admission |
|---------|--------------|-------------------|------------------|
| 1 | CSE | 180 | 199 |
| 2 | ECE | 180 | 198 |
| 3 | EI | 60 | 20 |
| 4 | EN | 120 | 115 |
| 5 | IT | 180 | 196 |
| 6 | ME | 180 | 140 |
| 7 | CS | 60 | 65 |
| 8 | CS&IT | 60 | 65 |
| 9 | CIVIL | 120 | 93 |
| | TOTAL | 1140 | 1091 |

Year 2018-19

| BRANCHES | Sanctioned Intake | Actual Admission |
|-----------------|--------------------------|-------------------------|
| CSE | 180 | 185 |
| ECE | 180 | 180 |
| EI | 60 | 26 |
| EN | 120 | 117 |
| IT | 120 | 123 |
| ME | 180 | 156 |
| CIVIL | 120 | 81 |
| TOTAL | 960 | 868 |

- **Number of applications received during last two years for admission under Management Quota and number admitted**

Year 2020-21

Total around 3000 applications has been received for admission under management quota. 187 students were admitted under management quota.

Year 2019-20

Total around 1700 applications has been received for admission under management quota. 165 students were admitted under management quota.

11. Admission Procedure

- **Mention the admission test being followed, name and address of the Test Agency/State Admission Authorities and its URL (website)**

All admissions are made through State entrance examination for degree level engineering institutions conducted by Dr. APJ Abdul Kalam Technical University, Lucknow, U.P.

For further details, the following website may be visited:

Website: <https://upsee.nic.in/>

- **Number of seats allotted to different Test Qualified candidate separately AIEEE/CET (State conducted test/ University tests/ CMAT/ GPAT)/ Association conducted test etc.)**

All Candidates are allotted seats based on Uttar Pradesh State Entrance Examination (UPSEE) rank.

• **Calendar for admission against Management/vacant seats:**

• **Last date of request for applications:**

First Week of July every year depending upon the counselling by the UPSEE.

• **Last date of submission of applications:**

Mid of July every year depending upon the University guidelines.

• **Dates for announcing final results:**

Third week of July every year depending upon the University guidelines.

• **Release of admission list (main list and waiting list shall be announced on the same day)**

Within 2-3 days after announcing results

• **Date for acceptance by the candidate (time given shall in no case be less than 15days)**

Within 1 week after releasing the admission list

• **Last date for closing of admission:**

15th of August every year depending upon the guidelines by University

• **Starting of the Academic session:**

1st August every year subject to University guidelines for the same

• **The waiting list shall be activated only on the expiry of date of main list:**

Yes

• **The policy of refund of the Fee, in case of withdrawal, shall be clearly notified:**

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

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

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

12. Criteria and Weightages for Admission

- Describe each criterion with its respective weightages i.e. Admission Test, marks in qualifying examination etc.

| Programme | Duration | Eligibility |
|--------------------------|----------|---|
| Engineering & Technology | 4-years | <p>Passed 10+2 examination with Physics/ Mathematics / Chemistry/ Computer Science/Electronics/Information Technology/ Biology/Informatics Practices/ Biotechnology/ Technical Vocational subject/ Agriculture/ Engineering Graphics/ Business Studies/Entrepreneurship. (Any of the three)</p> <p>Obtained at least 45% marks (40% marks in case of candidates belonging to reserved category) in the above subjects taken together.</p> <p style="text-align: center;">OR</p> <p>Passed min. 3 years Diploma examination with at least 45% marks (40% marks in case of candidates belonging to reserved category) subject to vacancies in the First Year, in case the vacancies at lateral entry are exhausted.</p> <p>(The Universities will offer suitable bridge courses such as Mathematics, Physics, Engineering drawing, etc., for the students coming from diverse backgrounds to achieve desired learning outcomes of the programme)</p> |

Candidates have to appear in the UPSEE apart from qualification given above to get the admission.

- Mention the minimum Level of acceptance, if any**

Not Applicable

- **Mention the cut-off Levels of percentage and percentile score of the candidates in the admission test for the last three years**

Rank during last three years

| S.No. | Branch | 2018-19 | 2019-20 | 2020-21 |
|-------|-----------|-------------|-------------|---------------|
| 1 | CSE | 5616 | 6279 | 3939 |
| 2 | CS | Not Started | 8159 | 7274 |
| 3 | CSIT | Not Started | 8894 | 8385 |
| 4 | CS (AIML) | Not Started | Not Started | 4392 |
| 5 | CS (DS) | Not Started | Not Started | 6300 |
| 6 | ECE | 14511 | 24651 | 20402 |
| 7 | E I | 34789 | 80721 | Course Closed |
| 8 | EN | 19508 | 82615 | 72538 |
| 9 | IT | 8162 | 12152 | 9862 |
| 10 | ME | 19495 | 81436 | 71590 |
| 11 | CIVIL | 23576 | 82694 | 67125 |

- Display marks scored in Test etc. and in aggregate for all candidates who were admitted

Yes

13. List of Applicants

- **List of candidate whose applications have been received along with percentile/percentages core for each of the qualifying examination in separate categories for open seats. List of candidate who have applied along with percentage and percentile score for Management quota seats (merit wise)**

Admission are done as per University Guidelines.

14. Results of Admission Under Management seats/Vacant seats

- **Composition of selection team for admission under Management Quota with the brief profile of members (This information be made available in the public domain after the admission process is over)**

The admission committee comprising Director General, Dean First Year, Registrar of Institute make admission under Management Quota seats according to the PCM merit at 10+2 level.

- **Score of the individual candidate admitted arranged in order or merit**

Admission are done as per University Guidelines.

- **List of candidate who have been offered admission**

Admission are done as per University Guidelines.

- **Waiting list of the candidate in order of merit to be operative from the last date of joining of the first list candidate**

Admission are done as per University Guidelines.

- **List of the candidate who joined within the date, vacancy position in each category before operation of waiting list**

Admission are done as per University Guidelines.

15. Information of Infrastructure and Other Resources Available

- **Number of Class Rooms and size of each**

Total 57 classrooms with area of 90 Sq.M each

- **Number of Tutorial rooms and size of each**

Total 30 Tutorial rooms with area of 45 Sq.M each

- **Number of Laboratories and size of each**

Total 103 laboratories including workshops

- **Number of Drawing Halls with capacity of each**

02 Drawing halls with area of 80 Sq.M each

- **Number of Computer Centres with capacity of each**

Total 03 Computer Centres, one with capacity of 60 students and other two with capacity of 30 students each

- **Central Examination Facility, Number of rooms and capacity of each**

College has central examination office which is responsible for the administration of examinations. Total rooms available in college for conduct of examination is around 50 with seating of 40 students each.

- **Online examination facility (Number of Nodes, Internet bandwidth, etc.)**

Number of Nodes: 500

Bandwidth: More than 1000 MBPS

- **Barrier Free Built Environment for disabled and elderly persons**

To facilitate convenient entrance of disabled and elderly persons to various college buildings ramps alongside stairs have been made on the entrance of ground floor of Main Block, ME Block, LT Block, CS/IT Block. Facility of a special toilet for disabled persons has also been provided in CS / IT Block. The college also has the facility of lifts in Main Block, CS / IT Block, Girls Hostel 3 and Boys Hostel 3.

- **Occupancy Certificate**

Yes (Attached as Appendix 'A')

- **Fire and Safety Certificate**

Yes (Attached as Appendix 'B')

• **Hostel Facilities**

The college has six hostels in its campus. Three hostels are for boys and three hostels are for girls. The total capacity of hostels is 1515 seats out of which 913 for boys and 602 for girls. Presently 803 boys and 442 girls are residing in the hostels.

The details of facilities existing in the hostels are as follows.

| S. No. | Facilities | Place | S. No. | Facilities | Place |
|--------|--|---|--------|--|-------------------------------------|
| 1 | 24x7 Wi Fi | All hostels | 14 | Canteen | BH-1,2,3 & common for GH |
| 2 | TV room | All hostels | 15 | Ambulance | Common for all |
| 3 | Dining hall with mess facilities | All hostels GH-2 is combined with GH-3 | 16 | First Aid box | All hostels |
| 4 | Water cooler along with aqua guard on each floor and dining hall | All hostels | 17 | Football and cricket ground | Common for all |
| 5 | Room cleaning facilities | All hostels | 18 | Hot water facilities in winter | All hostels |
| 6 | TT room | GH-1,3 & BH-1,3 | 19 | News paper facilities | All hostels |
| 7 | Visitors room | All hostels | 20 | High drain water pumps for fire fighting | GH-3 & BH-3 |
| 8 | Gym and Power lifting room | GH-1,3 & BH-1,3 | 21 | Fire extinguisher | All hostels |
| 9 | Library room | All hostels | 22 | Volley ball court | Separate for boys and girls hostels |
| 10 | Badminton court | All hostels | 23 | Kho Kho | Separate for boys and girls hostels |
| 11 | Basketball court | One each for GH & BH | 24 | Kabaddi | Separate for boys and girls hostels |
| 12 | Pool game room | BH-1,2 | 25 | Long Jump pit | Separate for boys and girls hostels |
| 13 | SSB series obstacles | Common for all | 26 | High Jump pit | Separate for boys and girls hostels |

All existing sports and recreational facilities in the hostels are well maintained and extensively used. The management of all the hostel libraries (Boys & Girls) is being done by the students and its usage has been increasing.

All hostel rooms have been provided with curtains and bedding comprising of one mattress, one pillow, two bed sheets, two bed covers and two pillow covers. A new library and wet canteen in the boys hostel III has been created. Some new facilities have been added to hostels like fabricated mosquito net doors in all the bath rooms. Also, all the wet canteens in the various hostels have been renovated and upgraded to provide better services to the hostellers. Two pool tables have been procured for the boys hostels I and II. Yoga classes for girl hostlers were conducted regularly. Part time coaches have been appointed to give coaching in evening for sports activities like Volleyball, Table Tennis, Kho Kho, Kabaddi, Football, Basket Ball, Badminton and Athletics.

- **Library**

- **Number of Library books/ Titles/ Journals available(Programme-wise)**

| S. No. | Course | Number of titles of the books | Number of volumes of the books | National Journals |
|--------|-----------------------|-------------------------------|--------------------------------|-------------------|
| 1 | B. Tech - CSE | 634 | 2579 | 6 |
| 2 | B. Tech - ECE | 615 | 2561 | 10 |
| 3 | B. Tech - EE/EN | 625 | 2547 | 6 |
| 4 | B. Tech - IT | 641 | 2538 | 6 |
| 5 | B. Tech - ME | 619 | 2516 | 6 |
| 6 | B. Tech - CE | 627 | 2451 | 6 |
| 7 | B. Tech - CS | 279 | 1068 | 6 |
| 8 | B. Tech - CS&IT | 281 | 1073 | 6 |
| 9 | B. Tech - CSE (AI&ML) | 217 | 843 | 6 |
| 10 | B. Tech - CSE (DS) | 219 | 805 | 6 |
| 11 | M. Tech - ECE | 174 | 1182 | 6 |
| 12 | M. Tech - EP & ES | 146 | 1259 | 6 |
| 13 | M. Tech - CSE | 135 | 1286 | 6 |
| 14 | M. Tech - ME | 116 | 1186 | 6 |
| 15 | Applied Sc. | 443 | 8894 | 10 |
| | Total | 5771 | 32788 | 98 |

- **List of online National/ International Journals subscribed**

| S. No. | Publication | Subject Areas | Access |
|--------|--|--|-----------------|
| 1. | Wiley Engineering e-Journals | ME+EC+CS&IT+CE & other Engineering Branches | 200 E-Journals |
| 2. | Wiley Management e-Journals | Applied Science (Business Management) | 250 E-Journals |
| 3. | Springer Nature e-Journals | Applied Science (Physics, Chemistry, Mathematics, Business Management), CS & Other Engineering | 1212 E-Journals |
| 4. | Taylor & Francis e-Journals Titles - Pharmaceutical Science & Toxicology | Pharmaceutical Science & Toxicology | 28 E-Journals |
| 5. | Taylor & Francis e-Journals Titles -Business, Management & Economics | Business, Management & Economics | 128 E-Journals |

| | | | |
|-----|--|---|--|
| 6. | Gale: Pharmacy Collection e-Journals | Pharmacy Collection e-Journals | Title counts: Total titles=827; Total Journals / Magazine = 770, Refereed/ Peer-reviewed=689, Total full-text titles=441 (no embargo = 415 titles, with embargo = 26 titles), Total newsletter, reports = 57 |
| 7. | EBSCO: Hospitality & Tourism Complete Database Coverage – E-Journals & E-Magazines | Hospitality & Tourism Complete Database Coverage – E-Journals & E-Magazines | 837 Databases, E-Journals & Magazines |
| 8. | EBSCO: Art & Architecture Source Database Coverage – E-Journals & E-Magazines | Art & Architecture Source Database Coverage – E-Journals & E-Magazines | 1818 Databases, E-Journals & Magazines |
| 9. | ELSEVIER : Science Direct Engineering E-Journals | EC+CS&IT & other Engineering Branches | 296 E-Journals |
| 10. | Emerald: Management E-Journals | Business, Management & Economics | 212 E-Journals |
| 11. | DELNET | General Engineering & Reference | Access Millions of Networked Library Resources: 5,000+ Full-text E-journals, 40,000+list of Journals, 1,00,000+ Thesis/Dissertations & 2,90,00,000+ Books available for loan |
| 12. | National Digital Library of India (NDL) | General Engineering & Reference | 64,651,364 resources of Engineering, Science, Humanities etc. |
| | | Total: | 5808 E-journals |

• E- Library facilities

The AKGEC Library System comprises of a Central Library, eight Departmental Libraries and five Hostel Libraries.

The Central Library, housed in the Administrative Block of the College, consists of two sections spread over 1465 Sq Mtrs with a total seating capacity for 344 users. Comfortable study space is provided for faculty, staff and students in the form of reading hall, study cubicles, digital library and faculty reading room. The library system is very user friendly with sufficient resources to meet the requirements of the users.

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

Library Automation

The Library uses KOHA software package, an Open Source Library Management System, to support all in-house operations of the library with barcode technology and circulation of Information through E-mail. It consists of modules on acquisition, cataloguing, circulation, reports and Web based Online Public Access Catalogue (Web OPAC). The database of books available in the Library is updated on day-to-day basis with details of recently acquired books. Record of all the library users has also been created in the KOHA software package.

Web based Online Public Access Catalogue (Web OPAC) has been introduced for library data search by users. Web OPAC is a powerful search engine for finding any cataloguing information from KOHA bibliographic database on-line. The resources can be searched based on title of the book, author of the book, subject, publication or accession number of the book.

Digital Library

The Digital Library provides visual media in all formats to support teaching and research. The collection includes DVDs and CD-ROMs for use by AKGEC faculty, staff and students within the library. The collection is constantly being updated and expanded to address the specific study and research needs of the AKGEC community. There are 15 multimedia PCs for use on a walk-in basis in the Digital Library. Users can access Digital Library from anywhere in the campus through IP and Remote access through MyLOFT platform.

The library subscribes e-journals and e-books thru AKTU Nalanda E-consortium including E-Journals 5808+ from Wiley e-Journals, Springer Nature e-Journals, Taylor & Francis e-Journals, Gale, EBSCO, Elsevier and Emerald. For E-books 14,593+ from Taylor & Francis, BSP Books Pvt. Ltd., Cambridge University Press, Pearson Education and Emerald: Indian Cases Collection. In addition, the library is a member of DELNET, National Digital Library and National Digital Library Club Membership.

The Institutional Repository DSpace software has been recently installed to facilitate users to access multiple resources like e-journals, question papers and model solutions, newspaper clippings and administrative norms / policies of the college.

- **National Digital Library(NDL) subscription details**

National Digital Library of India (NDLI) is a virtual repository of learning resources which is not just a repository with search/browse facilities but provides a host of services for the learner community. It is sponsored and mentored by Ministry of Education, Government of India, through its National Mission on Education through Information and Communication Technology (NMEICT). Filtered and federated searching is employed to facilitate focused searching so that learners can find the right resource with least effort and in minimum time. NDLI provides user group-specific services such as Examination Preparatory for School and College students and job aspirants. Services for Researchers and general learners are also provided. NDLI is designed to hold content of any language and provides interface support for 10 most widely used Indian languages. It is built to provide support for all academic levels including researchers and life-long learners, all disciplines, all popular forms of access devices and differently-abled learners. It is designed to enable people to learn and prepare from best practices from all over the world and to facilitate researchers to perform inter-linked exploration from multiple sources. It is developed, operated and maintained from Indian Institute of Technology Kharagpur.

AKGEC Central Library has taken Institutional Member of NDL. College is also set NDLI club with the help of NDLI Club Team of IIT Kharagpur. The club registration Number is INPUNC3YYKGS43G.

- **Laboratory and Workshop**

- List of Major Equipment/Facilities in each Laboratory/Workshop

| Sl.No. | Department | Name of the Laboratory | Lab / Major Equipments |
|--------|--------------------------------|---|---|
| 1 | CIVIL ENGINEERING | BUILDING MATERIAL AND CONSTRUCTIONS LAB | Compression Testing Machine, Tensile Strength Tester, Briquette Mould, Electronic Balance Capacit etc. |
| 2 | CIVIL ENGINEERING | CIVIL CAD LAB | Bentley Academic Special Offering Including Staad Pro, Water Gem Sewer Gem, GIS and Mx Road. NISA So |
| 3 | CIVIL ENGINEERING | CONCRETE LAB | Flowtable Motorised, EDI Compression Testing Machine, Laboratory Concrete Mixer Pan Type, etc. |
| 4 | CIVIL ENGINEERING | ENVIRONMENTAL ENGINEERING LAB | digital PH meter, digital turbidity meter, eastman ovan, eastman muffle with temp., digital TDS meter |
| 5 | CIVIL ENGINEERING | FLUID MECHANICS | all equipment purchase in ME deptt. |
| 6 | CIVIL ENGINEERING | GEO-INFORMATICS LAB | Total station 5 sec Accuracy & L.C. 0.1, Electronic Theodolite, Hand Held GPS, Disto-meter etc. |
| 7 | CIVIL ENGINEERING | GEOTECHNICAL LAB | Triaxial Testing App, Static Cone Penetrometer, Three Gang Bench Type Consolidometer, Direct Shear App |
| 8 | CIVIL ENGINEERING | HYDRAULIC & HYDRAULICS MACHINES LAB | Tilting Bed Flow channel (Length 2.5 mtr., width: 125mm, depth: 200mm) etc. |
| 9 | CIVIL ENGINEERING | STRUCTURAL ANALYSIS LAB | Unsymmetrical Bending App, Redundant Joint app, Three hinged arch, two hinged arch, etc. |
| 10 | CIVIL ENGINEERING | SURVEY LAB | VT20A1E- "Eastman" Vernier Transit Theodolite " Erect Image" size 175 mm etc. |
| 11 | CIVIL ENGINEERING | TRANSPORTATION LAB | Los Angeles Abrasion Testing Machine, Ring & Dial Gauge, Ductility Testing Machine, Film Stripping Device |
| 12 | COMPUTER SCIENCE & ENGINEERING | ALGORITHM LAB | 37 COMPUTERS, LASER PRINTER, IP CAMERA |
| 13 | COMPUTER SCIENCE & ENGINEERING | ARTIFICIAL INTELLIGENCE LAB | 37 Computer Core i3, 3.10 GHz, , 2GB RAM, 500 GB HDD, 18.5 "LCD IP Camera Laser Printer |
| 14 | COMPUTER SCIENCE & ENGINEERING | BASIC APPLICATION DEVELOPMENT LAB | 37 COMPUTERS, LASER PRINTER, IP CAMERA |
| 15 | COMPUTER SCIENCE & ENGINEERING | COMPILER LAB | 37 COMPUTERS, LASER PRINTER, IP CAMERA |
| 16 | COMPUTER SCIENCE & ENGINEERING | COMPUTER PROGRAMMING LAB | 37 COMPUTERS, LASER PRINTER, IP CAMERA |
| 17 | COMPUTER SCIENCE & ENGINEERING | DATA STRUCTURE LAB | 36 COMPUTERS, LASER PRINTER, IP CAMERA |
| 18 | COMPUTER SCIENCE & ENGINEERING | DBMS LAB | 37 COMPUTERS, LASER PRINTER, IP CAMERA |

| | | | |
|----|--|--|---|
| 19 | COMPUTER SCIENCE & ENGINEERING | DISTRIBUTED SYSTEM LAB | 37 COMPUTERS, LASER PRINTER, IP CAMERA |
| 20 | COMPUTER SCIENCE & ENGINEERING | OPERATING SYSTEM LAB | 37 COMPUTERS, LASER PRINTER, IP CAMERA. |
| 21 | COMPUTER SCIENCE & ENGINEERING | M.TECH. CSE LAB | 37 COMPUTERS, LASER PRINTER, PROJECTOR, IP CAMERA |
| 22 | COMPUTER SCIENCE & ENGINEERING | M.TECH. CSE RESEARCH & DEVELOPMENT LAB | 36 COMPUTERS, LASER PRINTER |
| 23 | COMPUTER SCIENCE & ENGINEERING | ADVANCED PROGRAMMING LAB | 37 COMPUTERS, LASER PRINTER, IP CAMERA |
| 24 | COMPUTER SCIENCE & ENGINEERING | CE-GEOTECHNICAL LAB | 37 COMPUTERS, LASER PRINTER, IP CAMERA |
| 25 | COMPUTER SCIENCE & ENGINEERING | COMPUTER GRAPHICS LAB | 36 COMPUTERS, LASER PRINTER, IP CAMERA |
| 26 | COMPUTER SCIENCE & ENGINEERING | CSE PROJECT LAB | 33 COMPUTERS, LASER PRINTER, PROJECTOR, IP CAMERA |
| 27 | ELECTRICAL AND ELECTRONICS ENGINEERING | M.TECH MICROPROCESSOR LAB | DSP KIT WITH PC, 8051 MICROCONTROLLER, PIC MICROCONTROLLER, TMS 3206748 KIT, ADS 8371 KIT |
| 28 | ELECTRICAL AND ELECTRONICS ENGINEERING | POWER SYSTEM LAB | Oil Testing Set, Rheostat, 1-phase autotransformer, Relay (electromechanical, static, numeric) etc. |
| 29 | ELECTRICAL AND ELECTRONICS ENGINEERING | CONTROL SYSTEM LAB | PID controller kit, linear simulator, AC servo motor kit, DC speed control kit, DC Position Con. etc |
| 30 | ELECTRICAL AND ELECTRONICS ENGINEERING | ELECTRICAL & ELECTRONICS CAD LAB | computer system, printer |
| 31 | ELECTRICAL AND ELECTRONICS ENGINEERING | ELECTRICAL DESIGN AND FABRICATION LAB | Design & Fabrication of High Pass Power Factor Controller, Design & Fabrication of M.C based, etc. |
| 32 | ELECTRICAL AND ELECTRONICS ENGINEERING | ELECTRICAL ENGG. LAB | transformer 2KVA 220/440V, 1-phase & 3-phase variac, 3-phase induction motor, Dual & Triple Power etc. |
| 33 | ELECTRICAL AND ELECTRONICS ENGINEERING | ELECTRICAL INSTRUMENTATION LAB | potentiometer, temperature transducer, strain gauge, pressure transducer, data acquisition system, etc. |
| 34 | ELECTRICAL AND ELECTRONICS ENGINEERING | ELECTRICAL MACHINE LAB | 3- Φ induction motor, 3- Φ synchronous motors, DC motor, dc generator, Alternator, dc rectifier, etc. |
| 35 | ELECTRICAL AND ELECTRONICS ENGINEERING | ELECTRICAL WORKSHOP-2 | rockwell series-160, 3-phase 415v 1-hp ac drive, rockwell series-161, 1-phase 230v 2-hp ac drive, etc |
| 36 | ELECTRICAL AND ELECTRONICS ENGINEERING | ELECTRICAL WORKSHOP I | dso, digital timer, power factory software, power scope, phase shifter, 1- Φ transfo., auto transf., etc |
| 37 | ELECTRICAL AND ELECTRONICS ENGINEERING | EMMI LAB | wein's bridge with headphone, maxwell bridge, anderson bridge, schering bridge, hay's bridge, etc. |
| 38 | ELECTRICAL AND ELECTRONICS ENGINEERING | MICROPROCESSOR LAB | 8086 AD-LCD KIT, 8085 AD LCD KIT, EXPANSION BOARD, DC POWER SUPPLY, STEPPER MOTOR, DSP STARTER, etc. |

| | | | |
|----|--|--|---|
| 39 | ELECTRICAL AND ELECTRONICS ENGINEERING | NETWORK ANALYSIS & SYNTHESIS | Transient response of R.C circuit & R.L.C circuit kit, frequency response of R.L.C circuit kit, etc. |
| 40 | ELECTRICAL AND ELECTRONICS ENGINEERING | POWER ELECTRONICS LAB | Industrial electronic trainer, Industrial / power electronics kit, Speed control of dc Motor etc. |
| 41 | ELECTRICAL AND ELECTRONICS ENGINEERING | SIMULATION LAB | computer system, MATLAB/ SIMULINK. |
| 42 | ELECTRONICS & COMMUNICATION ENGG | M.TECH. ECE SIMULATION AND RESEARCH LAB-I | Visual TCAD, SYMICA & Cadence VLSI Tools, ORCAD PSPICE, VIVADO, Computers and other VLSI softwares. |
| 43 | ELECTRONICS & COMMUNICATION ENGG | M.TECH. ECE LAB | DSO, CRO, FG, spectrum anal Working Board and Kits, Microprocessors and Microcontroller Kits, Computer |
| 44 | ELECTRONICS & COMMUNICATION ENGG | M.TECH. ECE SIMULATION AND RESEARCH LAB-II | NetSim soft., OptiSystem Soft., MATLAB soft, HFSS Software for RF & Antenna Design, Computers, etc. |
| 45 | ELECTRONICS & COMMUNICATION ENGG | ANALOG CIRCUITS LAB | DSO, CROs, FG, PG, Ammeters, Voltmeters, Power Supply-Triple & Multiple, Computer, Different Kits. |
| 46 | ELECTRONICS & COMMUNICATION ENGG | ANTENNA & MICROWAVE ENGG. LAB | HFSS ANTENNA TOOL, computers, antenna related kits & setup with MIC components, Radiation patter etc. |
| 47 | ELECTRONICS & COMMUNICATION ENGG | BASICS ELECTRONICS & ELECTRONIC DEVICES LAB | DSO, CROs, Function generators, pulse generators, ammeters, voltm, Triple and Multiple Power supply, etc. |
| 48 | ELECTRONICS & COMMUNICATION ENGG | BASICS ELECTRONICS & PCB DESIGN CUM MINI PROJECT LAB | OrCAD Pspice PCB prototype & antenna fab. machine with soft., TINA soft., SPrint software, Computers, |
| 49 | ELECTRONICS & COMMUNICATION ENGG | CAD OF ELECTRONICS LAB | OrCAD Pspice & PCB, Xilinx Software, Spartan FPGA Kit, computers and other s/w like tanner, cadence |
| 50 | ELECTRONICS & COMMUNICATION ENGG | COMMUNICATION ENGG. LAB | VisSim/ Comm. 8.0 Suite Soft., CROs, DSO, Modulation & Demodulation, Coding-Decoding kits, etc. |
| 51 | ELECTRONICS & COMMUNICATION ENGG | CONTROL SYSTEM LAB-1 | MATLAB software, computers. |
| 52 | ELECTRONICS & COMMUNICATION ENGG | DATA STRUCTURE AND PROGRAMMING LAB | C, C++ language & Programming software tools and computers |
| 53 | ELECTRONICS & COMMUNICATION ENGG | DIGITAL COMMUNICATION LAB | VisSim/Comm. 8.0 Suite software, CROs, DSOs, Modulation & Demodulation kits, Spectrum Analyser, etc. |
| 54 | ELECTRONICS & COMMUNICATION ENGG | DIGITAL SIGNAL PROCESSING (DSP) LAB | MATLAB Software, computers, DSP Trainer Kits, Multiple Power Supply Kits along with Head Sets etc. |
| 55 | ELECTRONICS & COMMUNICATION ENGG | DIGITAL SYSTEM DESIGN LAB | Power Supply, Func. Generator, Oscilloscopes, Digital Trainer Kit, DMM, 8085 Microprocessor Kit, etc. |
| 56 | ELECTRONICS & COMMUNICATION ENGG | ECE PROJECT LAB | pcb prototype, OrCAD Pspice & PCB Bundle, CROs, Function Generators, Multi meters ,DSO, LCRQ Meter, etc |
| 57 | ELECTRONICS & COMMUNICATION ENGG | ELECTRONIC CIRCUIT DESIGN LAB | Multisim Software, Ultiboard Tool, ORCAD PSPICE AND PCB BUNDLE, TANNER SOFT. ,Computers, Printer etc |
| 58 | ELECTRONICS & COMMUNICATION ENGG | ELECTRONICS MEASUREMENT & INSTRUMENTATION LAB | CROs, function generators, DSO, power supply, radio receiver measurements kits, etc |

| | | | |
|----|---|--|--|
| 59 | ELECTRONICS & COMMUNICATION ENGG | INTEGRATED CIRCUITS LAB | TI-analog system ALSK pro kits, trainer boards, IC tester, CROs, FG,DSO,power supply, etc. |
| 60 | ELECTRONICS & COMMUNICATION ENGG | MICROCONTROLLERS FOR EMBEDDED SYSTEM LAB | CROs, FG, various study cards, SMPS, Computers, TI based Microcontrollers kit/ modules with software |
| 61 | ELECTRONICS & COMMUNICATION ENGG | MICROPROCESSORS & MICROCONTROLLERS LAB | Power Supply, FG, CROs, Digital Trainer Kits, DMM, Microprocessor & Microcontroller kits, etc. |
| 62 | ELECTRONICS & COMMUNICATION ENGG | OPTICAL COMMUNICATION & NETWORKING LAB | Opti System Software, optical communication kits/ setups, spectrum analyser, router, switch,etc. |
| 63 | ELECTRONICS & COMMUNICATION ENGG | SIGNALS & SYSTEMS LAB | MATLAB software, computers, DSP trainer kits, multiple power supply kits along with head sets etc. |
| 64 | ELECTRONICS & INSTRUMENTATION ENGINEERING | E&I BASIC ELECTRONICS & PCB DESIGN CUM MINI PROJECT LAB | OrCAD, PCB prototype & Antenna Feb. machine with soft.,TINA soft,SPrint PCB soft.,computers, etc. |
| 65 | ELECTRONICS & INSTRUMENTATION ENGINEERING | E&I DIGITAL SYSTEM DESIGN LAB | Power Supply, Func. Generator, Oscilloscopes, Digital Trainer Kit, DMM, 8085 Microprocessor Kit, etc |
| 66 | ELECTRONICS & INSTRUMENTATION ENGINEERING | E&I ELECTRONICS DEVICES AND ANALOG CIRCUITS LAB | DSO, CRO's , FGs, PGs, Ammeters,Voltmeters, triple & Multiple Power Supply, computers etc |
| 67 | ELECTRONICS & INSTRUMENTATION ENGINEERING | E&I ELECTRONICS MEASUREMENT, INSTRUMENTATION AND TRANSDUCERS LAB | CROs, function generator, radio receiver measurement kit, PCM using ADC & DAC convertor, etc. |
| 68 | ELECTRONICS & INSTRUMENTATION ENGINEERING | E&I INTEGRATED CIRCUITS LAB | TI Analog system ALSK pro kits,Trainer Boards, IC tester, CROs, Function Generators, DSO, etc. |
| 69 | ELECTRONICS & INSTRUMENTATION ENGINEERING | E&I MICROPROCESSOR & MICROCONTROLLER LAB | CROs, Function Generators, 8085,8086 LCD Kits, Microcontrollers, Various Study Card, SMPS,micro etc. |
| 70 | ELECTRONICS & INSTRUMENTATION ENGINEERING | E&I PROJECT LAB | PCB Prototype, OrCAD Pspice&PCB Bundle, CROs, FGs, Multi meters , DSO, LCRQ Meter, PCB making etc. |
| 71 | ELECTRONICS & INSTRUMENTATION ENGINEERING | PROGRAMMING & CONTROL SYSTEM LAB | MATLAB SOFTWARE, c, c++ language tools and computers. |
| 72 | ELECTRONICS & INSTRUMENTATION ENGINEERING | SIGNAL SYSTEMS AND DSP LAB | computer systems, MATLAB software,DSP Trainer kit, multiple power supply kits along with heads etc. |
| 73 | ELECTRONICS & INSTRUMENTATION ENGINEERING | TELEMETRY & COMMUNICATION LAB | VisSim/ Comm. 8.0 Suit software, CROs, DSOs, modulation & demodulation, coding-decoding kits, etc. |
| 74 | FIRST YEAR/OTHER | CHEMISTRY LAB | Heating mantle,heating oven, distillation assembly,digital spectrophotometer,Digital PH meter, etc. |
| 75 | FIRST YEAR/OTHER | ENGLISH LANGUAGE LAB | 37 COMPUTERS. |
| 76 | FIRST YEAR/OTHER | PHYSICS LAB | Newton Ring Setup, Spectrometer, Nodal Slide Setup, Polarimeter, Carey Foster setup etc. |
| 77 | INFORMATION TECHNOLOGY | ADVANCED IT LAB 1 PART 1 | HP 202 G2 Core i3-4130T@2.90 Ghz. PC-36 , Dell OptiPlex 3060 Intel Core i7-8700 PC-01 ,Laser Printer |
| 78 | INFORMATION TECHNOLOGY | ADVANCED IT LAB 1 PART 2 | 37 COMPUTERS, LCD Projector, Laser Printer, Network Camera |

| | | | |
|-----|------------------------|--------------------------------------|--|
| 79 | INFORMATION TECHNOLOGY | ADVANCED IT LAB 2 PART 1 | 37 COMPUTERS,LCD Projector, Laser Printer, Network Camera |
| 80 | INFORMATION TECHNOLOGY | ADVANCED IT LAB 2 PART 2 | 37 COMPUTERS,LCD Projector, Laser Printer, Network Camera |
| 81 | INFORMATION TECHNOLOGY | BASIC IT LAB PART 1 | 37 COMPUTERS,LCD Projector, Laser Printer, Network Camera |
| 82 | INFORMATION TECHNOLOGY | BASIC IT LAB PART 2 | 37 COMPUTERS,LCD Projector, Laser Printer, Network Camera |
| 83 | INFORMATION TECHNOLOGY | IT PROJECT LAB PART 1 | 34 COMPUTERS,LCD Projector, Laser Printer, Network Camera |
| 84 | INFORMATION TECHNOLOGY | IT PROJECT LAB PART 2 | 34 COMPUTERS , LCD Projector, Laser Printer, Network Camera |
| 85 | INFORMATION TECHNOLOGY | WEB TECHNOLOGY LAB PART 1 | 37 COMPUTERS,LCD Projector, Laser Printer, Network Camera |
| 86 | INFORMATION TECHNOLOGY | WEB TECHNOLOGY LAB PART 2 | 37 COMPUTERS,LCD Projector, Laser Printer, Network Camera |
| 87 | MECHANICAL ENGINEERING | M.TECH A & ROBOTICS LAB | Star mill automatic tool changer, special accessories for star mill, air compressor, ser |
| 88 | MECHANICAL ENGINEERING | M.TECH. CSE LAB-1 | Electro Pneumatic trainer, Electro Hydraulic trainer. |
| 89 | MECHANICAL ENGINEERING | AUTOMOBILE LAB | 4-Stroke 4 cylinder petrol engine,4-Stroke single cylinder diesel engine,Air compressor test rig,etc |
| 90 | MECHANICAL ENGINEERING | CAD LAB | Pro-E server,Pro-E software, UPS & Accessories, C language software, ansys software |
| 91 | MECHANICAL ENGINEERING | CAM LAB | CNC XL. Turn, CNC Milling,Esprit CAM software etc. |
| 92 | MECHANICAL ENGINEERING | ENGG. GRAPHICS LAB | Table, Drafter etc. |
| 93 | MECHANICAL ENGINEERING | ENGINEERING MECHANICS LAB | Universal testing machine,Brinell test attachment,Impact test attachment,Torsoin Testing machine etc |
| 94 | MECHANICAL ENGINEERING | FLUID MACHINERY LAB | Pelton Turbine Test Rig,Francis turbine test rig,Kaplan turbine,Hydraulic Ram,Reciprotating pu etc. |
| 95 | MECHANICAL ENGINEERING | FLUID MECHANICS LAB | Apparatus For Flow Visualization,Venturimeter & Orificemeter,Apparatus Laminar & Turbulent, BHT etc. |
| 96 | MECHANICAL ENGINEERING | HEAT AND MASS TRANSFER LAB | Boiling Heat Transfer Apparatus, Thermal Conductivity of matal Bar,Heat Transfer inforced, etc. |
| 97 | MECHANICAL ENGINEERING | MACHINE DESIGN LAB | Table, Drafter, tripod projector screen with stand etc. |
| 98 | MECHANICAL ENGINEERING | MATERIAL SCIENCE & TESTING LAB | Universal Testing Machine, Shear test attachment,Brinell test attachment,Impact test attachment etc. |
| 99 | MECHANICAL ENGINEERING | ME ADDITIONAL WORKSHOP 1 | Shaper Machine,Horizontal Milling Machine, Vertical Milling Machine, Drilling Machine, Lath Machine. |
| 100 | MECHANICAL ENGINEERING | ME ADDITIONAL WORKSHOP 2 | Power Press , TIG welding Machine , MIG welding Machine, Gas welding, Arc welding etc. |
| 101 | MECHANICAL ENGINEERING | MEASUREMENT AND METROLOGY LAB | Slip Gauge,Speedometer (dial type), Speedometer (digital),Fillar gauge set,Flange micrometer, etc. |
| 102 | MECHANICAL ENGINEERING | REFRIGERATION & AIR CONDITIONING LAB | Window type air conditioning test rig,Vapor compression refrigeration test rig,cut section model of |
| 103 | MECHANICAL ENGINEERING | THERMODYNAMICS LAB | Locomotive boiler,Lancashire boiler,Babcock & Wilcox boiler,Two stroke petrol engine, steam eng etc. |

| | | | |
|-----|------------------------|----------|--|
| 104 | MECHANICAL ENGINEERING | TOM LAB | Universal Governor, Whirling of Shaft Apparatus, Governor with motor, Static & Dynamic Balancing etc |
| 105 | MECHANICAL ENGINEERING | WORKSHOP | Shaper Machine, Milling Machine, Drilling Machine, Lathe Machine etc. |

- **List of Experimental Setup in each Laboratory/Workshop**

All experiments are conducted as per the syllabus prescribed by University.

- **Computing Facilities**

- **Internet Bandwidth**

1000 Mbps

- **Number and configuration of System**

Total 1373 computer systems (i7- 105, i5-552, i3-631, C2D-85)

- **Total number of system connected by LAN**

1373

- **Total number of system connected by WAN**

1373

- **Major software packages available**

System Softwares: 5, Application Softwares: 35,

Major Software Packages: Microsoft Cloud Campus Agreement,

Quick Heal Internet Security, Windows 10, Office 365 and Other Application Softwares.

- **Special purpose facilities available (Conduct of online Meetings / Webinars/ Workshops, etc.)**

Dedicated Video Conferencing Systems Along with Cameras, Audio Systems in both Seminar Rooms for Webinar and Workshops. Portable Video Conferencing System Available For Online Meetings.

- **Facilities for conduct of classes/courses in online mode (Theory & Practical)**

All classrooms equipped with Smartclass Systems along with Audio Systems, Mic. and Internet for conducting online classes. Orell Language Lab Software for Theory/Practicals in Language Lab through Online Mode.

- **Innovation Cell**

SOFTWARE INCUBATOR is the research and development centre established within the portal of Ajay Kumar Garg Engineering College. We have set a foothold in the areas of software development, web-based enterprise solutions, mobile development, web application and website development. We focus on high integrity and commitment, quality and rigor at every stage of work, passion for excellence and focus on customer satisfaction. We are an equal opportunity organization that motivates every member to work with passion and commitment.

SI is equipped with the state-of-the-art infrastructure & hardware/software tools. This provides a highly conducive & stimulating environment for the young brains to explore & come out with innovative solutions using emerging technologies. The Centre conducts training programmes on the latest software technologies which is instrumental in keeping our students technologically ahead of others. The team members of SDC-SI have delivered many automated systems to Industrial clients as well as to AKGEC which have automated their work processes.

Institution-Industry Cell Details

| S.No. | Name of the Committee Member | Profession | Associated with | Mobile Number | e-mail address |
|-------|------------------------------|---------------------|----------------------------------|---------------|----------------------------------|
| 1 | Dr. R.K.Agarwal | Director-General | AKGEC | 9313321455 | agarwalrk@akgec.ac.in |
| 2 | Prof. P.K.Chopra | Head, T&P cell | AKGEC | 9350023027 | choprapk@akgec.ac.in |
| 3 | Prof. Sunita Yadav | Head, CS Deptt. | AKGEC | 9873587500 | yadavsunita@akgec.ac.in |
| 4 | Mr. Manoj Yadav | General Manager | KUKA India | 9899767857 | manoj@kuka.in |
| 5 | Mr. R.K.Mahajan | CEO | Micromatic Grinding Technologies | 9871090035 | rkmahajan@micromaticgrinding.com |
| 6 | Prof. Ashiv Shah | Professor | AKGEC | 9891984680 | ashivshah@akgec.ac.in |
| 7 | Mr. Som Ashutosh | Assistant Professor | AKGEC | 7669094516 | ashutoshsom@akgec.ac.in |

- **Social Media Cell**

College has Facebook, Twitter, Instagram, LinkedIn etc. account. Information related to various events are posted on social media regularly.

- **Compliance of the National Academic Depository (NAD), applicable to PGCM/ PGDM Institutions and University Departments**

Not Applicable

- **List of facilities available**

- **Games and Sports Facilities**

The college has always created a niche for itself in the field of sports. The college has since long times, been participating in various inter institution, state level tournaments. In sports, our college provides facilities for both indoor and outdoor games to the students.

Outdoor Games: A spacious play ground is available for outdoor games like Cricket, Football, Volleyball, Basketball, Badminton etc.

Indoor Games: Facilities for the indoor games like Badminton, Table Tennis, Chess, Carrom etc, are provided to students in the college campus.

A large number of sports activities are organized in the college aiding the students to display their talent in sports activities. One of the major sports event is the “Ajay Kumar Garg Memorial Table Tennis Tournament”. It is a state level tournament organized by Ghaziabad District Table Tennis Association on annual basis at College. Participations in this tournament are all the way from Delhi, Haryana, Punjab and Uttar Pradesh being the major contributor.

- **Extra-Curricular Activities**

The institution is committed to attract students for participating in various extracurricular activities by ensuring consistent encouragement and motivation. The necessary facilities are provided and adequate funds are allotted. The sports and cultural committees supervise the extracurricular activities. The students who participate in the sports activities or other extracurricular activities are provided with extra classes so that the time they have given in for the various activities can be compensated for.

- **Soft Skill Development Facilities**

Academic excellence alone is not enough and cannot guarantee a good career. Certain personality attributes and soft skills are essential not only to get a good job placement but also to be able to contribute and grow in an organization. Taking cognizance of this, the college emphasises all round development through a range of extracurricular activities as well as organizing and conducting formal Personality Development Program.

This programme spanning over 100 hours is conducted by a professional agency and includes training in communication skills, group discussion, interpersonal skills and interviews. This is a mandatory programme for second year B.Tech. students of the college. This programme helps in the overall personality development of students. The whole exercise is intended to increase the employability of students. Amidst an inspiring and invigorating environment, students undergo training that turns them into top notch professionals.

- **Teaching Learning Process**

- **Curricula and syllabus for each of the Programmes as approved by the University**

Curriculum is available at website www.aktu.ac.in

- **Academic Calendar of the University**



DR. A.P.J. ABDUL KALAM TECHNICAL UNIVERSITY, UTTAR PRADESH
Jankipuram Vistar, Sector-11, Sitapur Road, Lucknow, 226031

ACADEMIC CALANDER

**FOR B. TECH./B. PHARM./B. ARCH./B.H.M.C.T./BFAD/B VOC/MBA/MBATM/MBA(I)/
MCA/MCA(I)/BFA/M. TECH/M. PHARM/M ARCH. & other Courses**

ACADEMIC SESSION 2020-21 (Revised)

| S. No. | Particulars | Dates | |
|--------|---|---|--|
| | | Odd Semester | Even Semester |
| 01 | Commencement of Classes session 2020-21 | Aug 04, 2020 for III, V, VII & IX Semester Nov 24, 2020 for I, III Semester (Lateral Entry) | Mar 01, 2021 for VI, VIII & X Semester Apr 01, 2021 for II, IV Semester |
| 02 | Last date of fresh admission. | Dec 05, 2020 | --- |
| 03 | Last date of submitting admission list of students to University (for newly admitted student) | Dec 15, 2020 | --- |
| 04 | Last date of submitting Enrollment form /Exam Form for regular & carry over exams. | Dec 31, 2020 | --- |
| 05 | Last date of Submitting Examination fee for both semesters and examination/carry over examination fee | Dec 31, 2020 | --- |
| 06 | Last date of submitting sessional marks of Theory & Practical to University. | Jan 31, 2021 | Jun 30, 2021 VI, VIII & X Semester July 1-4, 2021 for II, IV Semester |
| 07 | End Semester Theory Examination | 01 Feb 2021, to 20 Feb 2021 For V, VII & IX Semester 08 Mar 2021 to 20 Mar 2021 for I, III Semester | July 01, 2021 to July 12, 2021 for VI, VIII & X Semester July 16, 2021 to July 25, 2021 for II, IV Semester |
| 08 | End Semester Practical Examination (PE) | 21 Feb 2021, to 26 Feb 2021 for V, VII & IX Semester 21 Mar 2021 to 26 Mar 2021 for I, III Semester | July 10, 2021 to July 15, 2021 for VI, VIII & X Semester July 26, 2021 to July 31, 2021 for II, IV Semester |
| 09 | Last date for Submission of PE Marks. | 27 Feb 2021 for V, VII & IX Semester 27 Mar 2021 for I, III Semester | July 31, 2021 |
| 10 | Evaluation of Answer sheets | Feb 10, 2021 to Feb 25, 2021 for V, VII & IX Semester Mar 15, 2021 to Mar 30, 2021 for I, III Semester | July 05, 2021 to Aug 05, 2021 |
| 11 | Summer Training/ Internship | | Aug 01, 2021 to Aug 31, 2021 |
| 12 | Winter Vacations/ Summer Vacation | | Aug 01, 2021, to Aug 31, 2021 |
| 13 | Commencement of Classes session 2021-22 | For I, III, V, VII & IX Semester (Exact dates shall be intimated later) | Sept. 2021 (Exact dates shall be intimated later) |

Note:

- The institute shall ensure minimum teaching hours as prescribed in the University ordinances for each semester. If required the Director/Principal shall arrange extra classes, on weekends/holidays.
- The Institute should ensure that at least two class tests are conducted after completing 1/3rd & 2/3rd syllabus respectively. All students will be required to appear in both first and second class tests. If, for any reason beyond the control of students such as illness, tragic incident in family, the student fails to appear in any test, it will be the responsibility of the Principle/Director of the Institute to arrange make up class test for such students. If the student fails to appear in first class test, his make up class test will be conducted before second class test and in case of second class test at least one month before the start of end semester theory examination. The duration of class test will be minimum one hour for each class test, 70% attendance at 1st test and 75% attendance at second class test are required. In case attendance is short, parents are to be informed accordingly on monthly basis.
- The Director/Principal of Institute shall ensure the submission of attendance of students regularly through Attendance Monitoring System (AMS) of the University and shall ensure that no student is allowed to appear in the examinations who has not attained the minimum required attendance as per norms prescribed in relevant ordinances. It will be obligatory on the part of the Director/Principal of the Institute to detain such students and their admit cards will not be issued to them. A list of students detained from appearing in University Examination(s) be submitted to University and their Examination centre before the commencement of the theory examination.
- The teachers who are assigned evaluation duty during vacation shall be entitled for earned leave as per rules and duty leave for other examination related works assigned by the University.
- Summer training internship for 1st year B.Tech. students shall also be held between Aug 01, 2021 to Aug 31, 2021.


(Nand Lal Singh)
Registrar

- **Academic Time Table with the name of the Faculty members handling the Course**

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

- **Teaching Load of each Faculty**

Teaching load of faculty is distributed as per AICTE norms.

- **Internal Continuous Evaluation System and place**

Ajay Kumar Garg Engineering College is affiliated to APJ Abdul Kalam Technical University, Lucknow. AKGEC follows the internal examination pattern matching with the university exam pattern. Guidelines of AKTU are followed strictly in the evaluation process. There are three Internal tests conducted, namely: Sessional Test 1 (25 Marks), Sessional Test 2 (50 Marks) and Pre-University Test (100 Marks). The schedules of internal exams are communicated to students and faculty through the academic calendar of the institute at the beginning of each semester. The college academic calendar is prepared in coherence with the university academic calendar.

To implement the continuous internal evaluation in a smooth and efficient manner the exam cell of the college has framed guidelines for conducting the internal evaluation. The tasks done by the college exam cell are as follows: scheduling of internal examination, seating arrangements, assigning hall invigilators, collection of answer books and distribution of answer books to the subject teaching faculty.

Process of internal evaluation:

1. Question paper is prepared for the internal examination as per Bloom's taxonomy.
2. Scrutiny of the prepared question paper is carried out by HoD/ Subject expert to ensure quality of the question paper.
3. Monitoring the attendance of the students for the examination is done.
4. Evaluation of answer books is carried out within the stipulated time.
5. Distributing evaluated answer books to the students for clarifications of doubts.
6. Uploading of finalized marks on college portal.
7. Conducting meetings to review the results by preparing the results analysis.
8. Remedial actions and measures for further improvements are arrived after discussion between faculty and the HoD.
9. The evaluation for practical courses is done by conducting two major viva sessions in addition to the experiment specific questioning done at the time of checking of practical record. Additionally, the hands-on knowledge of the students is also checked in all lab sessions which forms a vital component of internal lab assessment.
10. The evaluation for project course is assessed by conducting periodical project reviews covering key parameters like problem formulations, understanding of the project, presentation skills, communication of ideas, technical knowledge, team work and project management.

Performance of the students in internal assessments is used as reference by the faculties to identify slow and quick learners in their respective subjects. Slow Learners are encouraged to improve their performance in future by proper counselling. Good students are motivated to participate in various technical events to further strengthen their knowledge.

- **Student's assessment of Faculty, System in place**

Student feedback on Faculty about the teaching learning is taken from all the students at the end of the semester for all theory and practical subjects. Feedback is taken in online mode which allows the students to login from their college provided G-suite email ids only. The complete process is organized and monitored centrally by the exam cell of the college.

The various parameters on which teaching is assessed are: Communication Skills, Quality of Teaching, Subject Knowledge, Content and Method of Delivery, accessibility of faculty for clarification of doubts, quality of assignments, syllabus completion, maintaining the pace of teaching throughout the course duration etc. Faculty feedback is calculated subject wise and section wise. A combined report is generated by the feedback portal consisting of feedback of all faculty members from a particular department. Such department wise feedback summaries are sent to all HoDs and Director by the exam cell coordinator. Feedback scores of faculty are conveyed to them through respective HoDs. Faculty having feedback score of less than 4 (out of 5) is counselled by the HoD for future improvements.

- **For each Post Graduate Courses give the following:**

- **Title of the Course**

1. M.Tech. (Computer Science & Engineering)
2. M.Tech. (Electronics & Communication Engineering)
3. M.Tech. (Electrical & Electronics Engineering)
4. M.Tech. (Mechanical Engineering)

- **Curricula and Syllabi**

Curriculum is available at website www.aktu.ac.in

- **Laboratory facilities exclusive to the Post Graduate Course**

| Sl.No. | Department | Name of the Laboratory | Lab / Major Equipments |
|--------|--|--|--|
| 1 | COMPUTER SCIENCE & ENGINEERING | M.TECH. CSE LAB | 37 COMPUTERS, LASER PRINTER, PROJECTOR, IP CAMERA |
| 2 | COMPUTER SCIENCE & ENGINEERING | M.TECH. CSE RESEARCH & DEVELOPMENT LAB | 36 COMPUTERS, LASER PRINTER |
| 3 | ELECTRICAL AND ELECTRONICS ENGINEERING | M.TECH MICROPROCESSOR LAB | DSP KIT WITH PC, 8051 MICROCONTROLLER, PIC MICROCONTROLLER , TMS 3206748 KIT, ADS 8371 KIT |
| 4 | ELECTRONICS & COMMUNICATION ENGG | M.TECH. ECE LAB | DSO,CRO, FG,spectrum anal Working Board and Kits, Microprocessors and Microcontroller Kits, Computer |
| 5 | ELECTRONICS & COMMUNICATION ENGG | M.TECH. ECE SIMULATION AND RESEARCH LAB-I | Visual TCAD, SYMICA & Cadence VLSI Tools,ORCAD PSPICE, VIVADO, Computers and other VLSI softwares. |
| 6 | ELECTRONICS & COMMUNICATION ENGG | M.TECH. ECE SIMULATION AND RESEARCH LAB-II | NetSim soft., OptiSystem Soft., MATLAB soft, HFSS Software for RF & Antenna Design,Computers, etc. |
| 7 | MECHANICAL ENGINEERING | M.TECH A & ROBOTICS LAB | Star mill automatic tool changer, special accessories for star mill, air compressor, ser |
| 8 | MECHANICAL ENGINEERING | M.TECH. CSE LAB-1 | Electro Pneumatic trainer, Electro Hydrualic trainer. |

- **Special Purpose**

- Software, all design tools in case

| Sl. No. | Software | No. of Licenses/Users | Remarks |
|---------|--|-----------------------|---|
| 1. | -PROFESSIONAL Version Visual TCAD & Genius (2D/3D) Device Simulator Systems | 01 | Device level simulator to develop and optimize the semiconductor technologies and devices |
| | -SYMICA EDA (AMS)-Microelectronics Design Tool | 03 | |
| 2. | CADENCE Virtuoso -Standard Bundle / University Bundle (Analog and Digital FE & BE Academic Suite) | 10 | Leading EDA tool for system design and analysis |
| 3. | University VIVADO System Edition S, UEF-SDSOC Software Simulation Tool with Zed Board Kit | 25 | For synthesis and analysis of HDL Design. |

| Sl.No. | Name of software | Broad area of research covered by equipment/facility |
|--------|---|---|
| 4. | OrCAD University PSPICE software (20 users) | Electrical & electronics circuit simulation and PCB design |
| 5. | Dig SILENT software power factory | Power Factory is a power system analysis software application |

For doing their research projects and dissertation we have 5 users Matlab R2016B edition.

For improving their research quality we have Turnitin Software for all M.Tech students.

• **Academic Calendar and framework**

AJAY KUMAR GARG ENGINEERING COLLEGE, GHAZIABAD

B.TECH., M.TECH. AND MCA ACADEMIC CALENDAR ODD SEMESTER 2020-21

| S. No. | Activity | Date | Day |
|--------|---|---------------------------|---------|
| 1 | Commencement of III/V/VII Semester Classes | 06 July 2020 | Mon |
| 2 | Sessional Test-I (III, V, VII Sem): 1 hr duration | 10 – 17 Aug 2020 | Mon-Mon |
| 3 | Sessional Test-II (III, V, VII Sem): 02 hrs duration | 21 – 26 Sept 2020 | Mon-Sat |
| 4 | Date for Registration of I Sem / III Sem Lateral Entry | 21 – 25 Nov 2020 | Sat-Wed |
| 5 | Commencement of I Sem/III Sem Lateral Entry Classes | 01 Dec 2020 | Tue |
| 6 | Pre University Test (V, VII Sem) : 3 hrs duration | 07 Dec 2020 - 11 Jan 2021 | Mon-Mon |
| 7 | Orientation / Induction Program for Newly Admitted Students | 07 Dec 2020 | Mon |
| 8 | Pre University Test (III Sem) : 3 hrs duration | 14 Dec 2020 - 22 Feb 2021 | Mon-Mon |
| 9 | Last date of submitting Enrollment/Exam forms | 31 Dec 2020 | Thu |
| 10 | Last date of submitting Exam fee for Odd / Even semesters (III, V, VII Sem) | 31 Dec 2020 | Thu |
| 11 | Sessional Test (B.Tech., M.Tech., MCA I Sem & III Sem. Lateral Entry): 02 hrs duration | 04 – 06 Jan 2021 | Mon-Wed |
| 12 | Last Date for Submission of Sessional Marks (V, VII Sem) | 30 Jan 2021 | Sat |
| 13 | End Semester Theory Examination (V, VII Sem) | 01 – 20 Feb 2021 | Mon-Sat |
| 14 | Pre University Test (B.Tech., M.Tech., MCA I Sem. & III Sem. Lateral Entry): 3 hrs duration | 18 Feb - 01 Mar 2021 | Thu-Mon |
| 15 | End Semester Practical Examination (V, VII Sem) | 22 – 26 Feb 2021 | Mon-Fri |
| 16 | Registration of Classes for Even Semester (VI, VIII Sem) | 26 – 27 Feb 2021 | Fri-Sat |
| 17 | Last date of submitting Practical Marks (V, VII Sem) | 27 Feb 2021 | Sat |
| 18 | Commencement of Even Semester Classes (VI, VIII Sem) | 01 Mar 2021 | Mon |
| 19 | Last Date for Submission of Sessional Marks (B.Tech. I, III Sem, MCA I & III Sem & M.Tech. I Sem) | 04 Mar 2021 | Thu |
| 20 | End Semester Theory Examination (I, III Sem) | 08 – 20 Mar 2021 | Mon-Sat |
| 21 | End Semester Practical Examination (I, III Sem) | 22 – 26 Mar 2021 | Mon-Fri |
| 22 | Last date of submitting Practical Marks (I, III Sem) | 27 Mar 2021 | Sat |
| 23 | Registration of Classes for Even Semester (II, IV Sem) | 30 Mar - 31 Mar 2021 | Tue-Wed |
| 24 | Commencement of Even Semester Classes (II, IV Sem) | 01 Apr 2021 | Thu |

16. Enrolment and placement details of students in the last 3years

| Year | Intake | Number of Students Admitted | Number of Students Placed |
|---------|--------|-----------------------------|---------------------------|
| 2016-17 | 114 | 7 | 5 |
| 2017-18 | 114 | 18 | 5 |
| 2018-19 | 90 | 15 | 7 |

17. List of Research Projects/ Consultancy Works

- Number of Projects carried out, funding agency, Grant received

| S.No | Sponsored Research Title | Funding Agency Name | Amount received for sponsored research in Rs. |
|------|---|-------------------------------------|---|
| 1. | Compressed Parallel Wavelet Tree Based Semantic Search | Council of Science & Technology, UP | Rs. 10,44,000 |
| 2. | Automatic Cataract Detection And Grading Using Convolution Neural Network | AKTU under VRPS Scheme | Rs 5,00,000 |
| 3. | Brainbot: Brain Controlled Robot for Specially abled Users | AKTU under VRPS Scheme | Rs. 1,33,000 |
| 4. | Development of Functionally Graded Materials Via Friction Stir Processing Route | AKTU funded under CRIP-TEQIP-III | Rs. 3,00,000/- |
| 5. | Design and Development of Metal 3-D Printer | AKTU under VRPS Scheme | Rs. 4, 35,000/- |

- **Publications (if any) out of research in last three years out of masters projects**

- Vaishali Sharma, Nilufar Yasmin, "An overview -comparative study of hash function ", international journal of engineering Research & Management Technology, Vol. 5, No. 3, pp.1-10, 2018, Online ISSN: 2348-4039.
- Vaishali Sharma, Nilufar Yasmin, " Blockchain: mining of hash function using pow algorithm ", International journal of Advanced Research & Innovative Ideas in Education, Vol. 5, No. 6, pp.561-568, 2019, Online ISSN: 2395-4396.
- Neha Pachauri and Neelesh Gupta, "An Energy Efficient FCM and DE Algorithm in MANET's", International Journal of Advance Research and Innovative Ideas in Education (IJARIIE), ISSN(O)- 2395-4396, Vol 5, No. 3, pp.463-472, 2019, Online ISSN: 2395-4396.
- Vaishali Sharma, Amit Garg, "Detection of tampered images via stationary wavelet transform and principal component", International Journal of Science, Engineering and Technology Research (IJSETR), vol. 8, No. 4, 2019, Online ISSN: 2278 -7798.
- Shibin Tomy Mathew, Amit Garg, "A Semi-Automatic Brain Tumor Segmentation" Journal of Critical Reviews, Vol. 7, No. 11, 2020, Online ISSN- 2394-5125.
- Shibin Tomy Mathew, Amit Garg, "A Multilevel Brain Tumor Segmentation Method" Journal of Critical Reviews, Vol. 7, No. 19, 2020, Online ISSN: 2394-5125.

- Poonam Maurya & Alok Kumar. "Machine Learning with Applications in Breast Cancer Detection using DT-SVM Hybrid Model". Journal of Critical Review, 2020, Volume: 7, No. 18: 499-505, Online ISSN: 2394-5125.
- Poonam Maurya & Alok Kumar. "SVM & GA- Clustering based Feature Selection Approach for Breast Cancer Detection". Journal of Critical Review, 2020, Volume: 7, No.: 18: 514-521, Online ISSN: 2394-5125.
- Nidhi and Jay Kant Pratap Singh Yadav, "Plant Leaf Classification using Convolutional Neural Network", Recent Advances in Computer Science and Communications 2020; <https://doi.org/10.2174/2666255813999200904162029>.
- Sakshi Tyagi and Pratima Singh, "Short term and Long term Building Electricity Consumption Prediction Using Extreme Gradient Boosting", Recent Advances in Computer Science and Communications (2020), DOI <https://doi.org/10.2174/2666255813666201218160223>
- Bharati Shukla, DR. Sachin Kumar. Insecure Channel Version of Remote User Authentication Scheme for Smart Card. *JCR*. 2020; 7(5): 1379- 1388. [doi:10.31838/jcr.07.05.250](https://doi.org/10.31838/jcr.07.05.250)
- Nancy Kansal, Lipika Goel, and Sonam Gupta, "A Literature review on Cross Domain sentiment Analysis using Machine Learning," International Journal of Artificial Intelligence and Machine Learning (IJAIML), Vol. 10, Issue 2, pp. 43-56, 2020, DOI: 10.4018/IJAIML.2020070103.
- Kansal, Nancy & Goel, Lipika & Gupta, Sonam. (2020). Cross-domain sentiment classification initiated with Polarity Detection Task. *ICST Transactions on Scalable Information Systems*. 8. 165965. 10.4108/eai.26-5-2020.165965.
- Bhawana Sharma, Jaykant Singh Yadav. "Predict Growth Stages of Wheat Crop using Digital Image Processing.". International Journal of Recent Technology and Engineering 8 (5) January 2020.
- Pragya Pandey, Inderjeet Kaur, "Collaborative Energy Efficiency for Modleach in WSN", in International Journal of Recent Technology and Engineering (IJRTE), Volume-8 Issue-4, November 2019 ISSN: 2277-3878, DOI:10.35940/ijrte.C6184.118419, pp 5614-5618.
- Bhawana Sharma, Jaykant Singh Yadav. "Application of Machine Learning and Digital Image Processing in Wheat crop Production: A Review". Journal of Emerging Technologies and innovative Research 6 (6): 342-348, June 2019.
- Pankaj Singh Dr. Sachin Kumar "Study and analysis of cryptography algorithms: RSA, AES DES, T-DES, Blowfish", International Journal of Engineering & Technology, Vol7, Issue1. 5, 2018.
- Km Avni Yadav, Dr. Sachin Kumar" Novel Additive Increase and Multiplicative Decrease Algorithm for Congestion Control in TCP" International Journal of Pure and Applied Mathematics. Volume 118 No. 20 2018, 1059-1066 ISSN: 1311-8080 (printed version); ISSN: 1314-3395.
- Jitendra Singh, Deekhsa Rai, Pradeep Jain, "Design and development of 3-Axis CNC Router at Low Cost", International Journal of Engineering Sciences Paradigms and Researches (IJESPR), Vol. 48 special issue, pp. 147-152, 2019, ISSN (Online): 2319-6564.
- Anshu Shukla, Pradeep Jain, "Design and Development of Multi Filament Feed Mechanism for FFF based Desktop 3D Printer", International Symposium on Fusion of Science and Technology, pp. 513, 2020.

- Hitler Nagar, Namrata Gangil, "Fabrication of Magnesium–NiTi Composites via Friction Stir Processing: Effect of Tool Profile", *Metals*, Vol. 10, pp. 1425, 2020, DOI: <https://doi.org/10.3390/met10111425>.
- Hitler Nagar, Namrata Gangil, "Shape memory alloy reinforced magnesium matrix composite fabricated via friction stir processing", *Materials Today: Proceedings*, Vol. 33, pp. 371-381, 2020, DOI: <https://doi.org/10.3390/met10111425>.
- Akash, Vikram Singh, "Computational Analyses of Von Mises Stress in Hydrodynamic Journal Bearing", *International Journal of Mechanical and Production Engineering (IJMPE)-IJMPE*, Vol. 9, Issue-1, pp. 16-19, 2021, DOI: IJMPE-IRAJ-DOIONLINE-17721, ISSN: 2321-2071.
- Akash, Vikram Singh, "Experimental Analyses of Temperature Distribution in Hydrodynamic Journal Bearing", *International Journal of Mechanical and Production Engineering (IJMPE)-IJMPE*, Vol. 8, Issue-12, pp. 1-3, 2020, DOI: IJMPE-IRAJ-DOIONLINE-17672, ISSN: 2321-2071.
- Sonali Negi, Bhupal Singh and S. S. Dhillon, "Real time analysis of faults in Power-Grid integrated PV systems based upon sensor data analysis", *Turkish Journal of Computer and Mathematics Education*, Vol. 12, No. 13, 2021, pp. 3906-3915.
- Shivangi Kaushik, "Modeling and simulation of Electric Vehicle to optimize its cost and range", *International Journal of Engineering and Advanced Technology*, Vol. 8, No. 6, 2019 pp. 415-419, Online ISSN: 2249-8958
- Shreasth , Dr. Bhupal Singh, "Modeling & Simulation of AC Electric Drive System to Cruise the Vehicle to the Prescribed Speed", *International Journal of Engineering and Advanced Technology (IJEAT)*, Vol. 8 No. 6, 2019, pp. 1914-1918, Online ISSN No: 2249-8958
- Taliya Yazdani, Shamsheer Ansari, "Maximum Power Point Tracking Based Power Distribution Frequency Control in A Hybrid Power Grid" *International Journal of Scientific & Technology Research (IJSTR)*, Vol. 8, No. 10, 2019, pp. 1643-1650, Online ISSN: 2277-8616
- Akhand Pratap Singh and Bhupal Singh, "Prediction of Heart Disease using Machine Learning for Preventive Healthcare", *International Journal of Advanced Science and Technology*, Vol. 29, No. 4s, pp. 3221-3231, 2020
- Akhand Pratap Singh and Bhupal Singh, "A Review on Heart Disease prediction using Machine learning" *Journal of Xi'an University of Architecture and Technology*, Vol. 12, No. 13, pp. 4142-4136, 2020, Online ISSN:1006-7930.
- Akriti Garg, A. K. Rai and Bhupal Singh, "A Review on Solar PV Control using MPPT", *Journal of Xi'an University of Architecture & Technology*, Vol. 12, No. 12, pp. 83-89, 2020, Online ISSN:1006-7930.
- Akriti Garg, Bhupal Singh, and Anil Kumar Rai, "Design & Simulation of CUK converter based MPPT control scheme for PV array using Double Diode Model", *Journal of Xi'an University of Architecture & Technology*, Vol. 13 No. 6, pp. 752-757 Online ISSN:1006-7930
- Sandeep Tiwari, Bhupal Singh, "Modeling and performance analysis of hybrid wind solar power system using MPPT control technique and VSC at grid", *International journal of Advance Research, Ideas and Innovation in Technology*, 2018, Vol. 4 No. 3, pp. 1517-1524, 2018, Online ISSN: 2454-132X.

• **Industry Linkage**

The college has interface with industries at various levels. The college is in the process of establishing a Centre of Relevance & Excellence (CORE) in the area of industrial Automation and Robotics. The CORE is being established with support from TIFAC, Deptt. of Science & Technology, Govt. of India and industries like Bosch Rexroth, Kuka Robotics, Siemens PLM Software, Altair Engg., National Instruments, Rockwell Automation and Jackson Engg. State-of-art equipment will be provided by the companies for establishing a world class centre for training, research, product development and consultancy projects with industry.

The other areas of industry interface/ interaction include:

- (a) Industrial/Summer Training of students.
- (b) Student projects sponsored by the industry.
- (c) Introduction of extra teaching modules proposed by the industry in the college.
- (d) Industrial visits
- (e) Campus placements.

For the summer training of all B.Tech. Students after III yr, and MCA students after the III Semester, 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 pre-final year provides the student 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 in-house training to the fresh entrants by the industry.

An Incubator has been established during this year for developing software engineering skills among students. The incubator is totally managed by the students and they have already developed and hosted the new college website as well as helped the Accounts Department and Registrar's Office in developing / modifying the requisite software. The incubator has also developed website and softwares for RSG Indo German hospital, Ghaziabad Management Association and a Canadian School. The cell is also running regular evening classes for imparting practical training on web development to the junior students.

• **MoUs with Industries (minimum 3 (10))**

List of Companies with which we have functional relationships

1. KUKA Robotics India Pvt. Ltd.
2. Bosch Rexroth India Ltd.
3. Mitsubishi Electric India
4. Pepperl+Fuchs India Pvt. Ltd.
5. Fronius India Pvt. Ltd.
6. Carl Zesis India
7. Messer Cutting Systems India Pvt.Ltd.
8. Siemens Ltd.
9. Stratasys India Pvt. Ltd.
10. Schunk Intec India Pvt. Ltd.
11. IPG Photonics
12. Ghaziabad Precision Product Pvt. Ltd
13. INMAS Defence Research & Development Organization.
14. NTPC, Netra, Gr. Noida.
15. Indian Oil Corporation Ltd.
16. Kasuya GPP Auto Products.
17. Hygienic Pack Pvt. Ltd Modi Nagar.
18. Nutek Plastic Pvt. Ltd.
19. Sokhi Heli-Wom Gears Pvt Ltd.
20. Adomac Technicals Pvt Ltd.
21. Mav Steels Pvt Ltd.
22. ETE Robotics
23. Honda R&D Pvt. Ltd.

18. LoA and subsequent EoA till the current Academic Year

LoA and subsequent EoA till the current academic year is uploaded on the following link:

<https://www.akgec.ac.in/aicte-approval-letters/>

19. Accounted audited statement for the last three years

Audited Statement for financial year 2019-20 is attached as **Appendix “C”**

20. Best Practices adopted, if any

Due to Covid-19, following practices adopted for online teaching-learning process:

- (i) Preparation of good quality video lectures for both theory and practical and same was uploaded on google classroom for students benefits.
- (ii) Soft copy of handwritten lecture notes of the corresponding video lectures was also uploaded on google classroom.
- (iii) Promoting the faculty members for undergoing the faculty development programs of various levels on Universal Human Values and Professional Ethics.

OCCUPANCY CERTIFICATE / BUILDING LICENSE

रसीद संख्या 086769/-27-5-21

जिला परिषद/क्षेत्र समिति प्रपत्र संख्या 25

(नियम 101 देखिये) (नवीनीकरण)

जिला परिषद/क्षेत्र समिति गाजियाबाद

जिला गाजियाबाद

मे० अजय कुमार गूग इंजी० कॉलेज (एकेड) लाइसेन्स

014394

चूंकि श्री राकेश गग ने जिला परिषद/क्षेत्र समिति गाजियाबाद जिला गाजियाबाद

को रु० साठ हजार दस रुपये का भुगतान कर दिया है।

अतः उन्हें जिला पंचायत गाजियाबाद के स्थानीय क्षेत्र के

भीतर NH-24 आसना वाइपैस आसना देहात

दिनांक 01-04-2021 से 31-03-2022

तक संस्थान संचालन के लिए अनुज्ञा दी जाती है।

लाइसेन्सधारी का विवरण

| नाम | पिता का नाम | व्यापार | पता | अभ्युक्ति |
|--------------------------------------|-------------|---------|-----|-----------|
| मे० अजय कुमार गूग इंजी० कॉलेज (एकेड) | | | | |
| श्री राकेश गग | | | | |

लाइसेन्सधारी का हस्ताक्षर

यह लाइसेन्स जि० पं० अधि० में विनियमन और नियंत्रण के निमित्त नियमों और शर्तों के अधीन रहते हुए प्रदान किया गया है, जिसकी एक प्रति मैंने आज लाइसेन्सधारी को दे दी है।

दिनांक 31-05-2021 लाइसेन्स अधिकारी।

टिप्पणी-स्थान और पृष्ठांकन की प्रविष्टियां तभी भरी जानी चाहिए,

जब लाइसेन्स सशर्त हो। यदि लाइसेन्सधारी का

का हो तो पृष्ठांकन काट दिया जायगा जिला पंचायत गाजियाबाद

FIRE FIGHTING CERTIFICATE**प्रारूप-छ (संलग्नक-6)**

अग्नि सुरक्षा प्रमाणपत्र (पूर्णता (कम्प्लीशन) अनापत्ति प्रमाणपत्र)

यूआईडी संख्या : UPFS/2021/31837/GZB/GHAZIABAD/2292/CFO

दिनांक : 28-05-2021

प्रमाणित किया जाता है कि मेसर्स **AJAY KUMAR GARG ENGINEERING COLLEGE and AJAY KUMAR GARG INSTITUTE OF MANAGEMENT** पता **KHASRA No. 824, 825, 826, 928Cha, 928Ka Etc., 27 Km Stone, DELHI HAPUR BY PASS, VILLAGE-DASNA, GHAZIABAD** तहसील - **GHAZIABAD** प्लॉट एरिया **118313.00 sq.mt** (वर्गमीटर), कुल कवर्ड एरिया **1333.67** (वर्ग मीटर), ब्लॉकों की संख्या - **3** जिसमें -

| ब्लॉक/टावर | प्रत्येक ब्लॉक में तलों की संख्या | बेसमेन्ट की संख्या | ऊँचाई |
|----------------------------------|-----------------------------------|--------------------|-----------|
| BLOCK 22 CENTRAL STORE EXTENSION | 3 | 0 | 12.00 mt. |
| BLOCK 23 OPEN AIR THEATRE | 1 | 0 | 03.50 mt. |
| BLOCK 24 DOCUMENTS STORE | 2 | 0 | 06.50 mt. |

है। भवन का अधिभोग मेसर्स **AJAY KUMAR GARG ENGINEERING COLLEGE and AJAY KUMAR GARG INSTITUTE OF MANAGEMENT** द्वारा किया जा रहा है। इनके द्वारा भवन में अग्नि निवारण एवं अग्नि सुरक्षा व्यवस्थाएं, एनओसी एवं तत्संबंधी भारतीय मानक ब्यूरो के आईएसओ के अनुसार भवन में स्थापित करायी गयी व्यवस्थाओं का निरीक्षण **अग्निशमन अधिकारी** द्वारा दिनांक **07-06-2021** को भवन स्वामी/भवन स्वामी के प्रतिनिधि श्री **MUKESH SHARMA** के साथ किया गया। भवन में अधिस्थापित अग्नि सुरक्षा व्यवस्थाएं मानकों के अनुसार अधिस्थापित पायी गयी। अतः प्रश्रुत भवन को अग्नि सुरक्षा प्रमाणपत्र (फायर सेफ्टी सर्टिफिकेट) एनओसी की अधिभोग श्रेणी **Educational** के अन्तर्गत वैधता तिथि **07-06-2021** से **06-06-2024** तक **3** वर्षों के लिए इस शर्त के साथ निर्गत किया जा रहा है कि भवन में नियमानुसार स्थापित सभी अग्निशमन व्यवस्थाओं का अनुरक्षण करते हुए क्रियाशील बनाये रखा जायेगा। भवन में स्थापित की गयी अग्निशमन व्यवस्थाओं में पायी गयी कमी के कारण किसी भी घटना के लिए मेसर्स **AJAY KUMAR GARG ENGINEERING COLLEGE and AJAY KUMAR GARG INSTITUTE OF MANAGEMENT** अधिभोगी पूर्ण रूप से जिम्मेदार होगा/होंगे। निर्गत अग्नि सुरक्षा प्रमाणपत्र का नवीनीकरण निर्धारित समयावधि के अन्दर न कराये जाने पर निर्गत अग्नि सुरक्षा प्रमाणपत्र स्वतः ही निरस्त मान लिया जायेगा, जिसके लिए मेसर्स **AJAY KUMAR GARG ENGINEERING COLLEGE and AJAY KUMAR GARG INSTITUTE OF MANAGEMENT** अधिभोगी पूर्ण रूप से जिम्मेदार होगा/होंगे।

"यह प्रमाण-पत्र आपके द्वारा प्रस्तुत अभिलेखों, सूचनाओं के आधार पर निर्गत किया जा रहा है। इनके असत्य पाए जाने पर निर्गत प्रमाण-पत्र मान्य नहीं होगा।"

Note : भवन के ब्लॉक-24 में स्टेयर केस की चेड़ाई को अग्रिम 02 माह में न्यूनतम 1.50 मीटर किया जाना अनिवार्य होगा।



निर्गत किये जाने का दिनांक : **07-06-2021**
स्थान : **GHAZIABAD**

हस्ताक्षर - (डिजिटल रूप से हस्ताक्षरित)

SUNIL KUMAR SINGH

0413854550B7A3F51D5ACB26194051C1EABA41A4

07-06-2021

Note:- Kindly check the authentication of NOC by verifying the UID at departmental portal of UP Fire Service.

AUDITED STATEMENT FOR FINANCIAL YEAR 2019-20

ANIL VAISH & CO.
CHARTERED ACCOUNTANTS

C-98, RDC RAJ NAGAR
Ghaziabad - 201002
Ph. : 2822234, 2822235

AUDITOR'S REPORT

To,

THE MEMBERS,
AJAY KUMAR GARG ENGINEERING COLLEGE
GHAZIABAD.

We have examined the Balance Sheet of **AJAY KUMAR GARG ENGINEERING COLLEGE**, 27 Km Stone, Delhi- Hapur Bypass Road, Adhyatmik Nagar Ghaziabad as at 31st March 2020 and Income and Expenditure Account annexed thereto for the period ended on that date which are in agreement with the books of accounts maintained by the said trust.

We have obtained all the information and explanations which to the best of our knowledge and belief were necessary for the purpose of our audit. In our opinion, proper books of account have been kept by the above trust visited by us, so far as it appears from our examinations of books, subject to comments as under:

In our opinion and to the best of our information and according to explanations given to us, the said accounts give a true and fair view: -

- (i) In the case of Balance Sheet of the State of the affairs of above named trust as on 31st March, 2020, and
- (ii) In the case of Income & Expenditure Account of the excess of Income over Expenditure for its accounting period ended on 31st March, 2020.



For ANIL VAISH & CO.
Chartered Accountants


(ANIL KUMAR GUPTA)
Partner/FCA

Place: GHAZIABAD
Dated: 22.10.2020

AJAY KUMAR GARG ENGINEERING COLLEGE
RUNNING BY INDIAN INSTITUTE OF MANAGEMENT & ENGINEERING SOCIETY
27th-Km. Stone, Delhi-Hapur By Pass Road, P.O. Adhyatmik Nagar, Ghaziabad

BALANCE SHEET AS AT 31.03.2020

| LIABILITIES | TOTAL | ASSETS | TOTAL |
|---|----------------------|--|--|
| CORPUS FUND/GENERAL FUND (As per Annexure -A) | 720055703.42 | FIXED ASSETS Original Cost Less: Accumulated Depreciation (As per Annexure -E) | 1533710121.63 775570781.33 758139340.3 |
| LOAN FUND (As per Annexure -B) | 162820674.52 | INVESTMENT (As per Annexure -F) | 42999970.0 |
| CURRENT LIABILITIES AND PROVISIONS | | CURRENT ASSETS, LOANS AND ADVANCES | |
| a) Security Received (As per Annexure -C) | 83363677.00 | a) Cash & Bank Balances (As per Annexure -G) | 186346296.5 |
| b) Other Liabilities (As per Annexure -D) | 72574519.00 | b) Security Deposit (As per Annexure -H) | 6019424.0 |
| | | c) Other Advances (As per Annexure -I) | 42494547.5 |
| | | d) Amount Receivable (As per Annexure -J) | 2814995.6 |
| TOTAL | 1038814573.94 | TOTAL | 1038814573.9 |

0.00

0.0

As per our report of even date :-
For Anil Vaish & Co.
Chartered Accountants

(Anil Kumar Gupta)
F.C.A.
Partner
Membership No. : 071184



(Vinay Kumar Garg)
Treasurer

(Rakesh Garg)
Secretary

Date : 22.10.2020
Place : Ghaziabad

AJAY KUMAR GARG ENGINEERING COLLEGE
RUNNING BY INDIAN INSTITUTE OF MANAGEMENT & ENGINEERING SOCIETY
27th-Km. Stone, Delhi-Hapur By Pass Road, P.O. Adhyatik Nagar, Ghaziabad
INCOME & EXPENDITURE ACCOUNT FOR THE YEAR ENDED ON 31.03.2020

| Particulars | TOTAL (RS) | Particulars | TOTAL (RS) |
|--------------------------------------|---------------------|-------------------|---------------------|
| TO ADVERTISEMENT & PUBLICITY | 10520690.00 | BY BANK INTEREST | 16863509.37 |
| TO AUDIT FEE | 118000.00 | BY FEE COLLECTION | 574626822.26 |
| TO BANK CHARGES | 575502.93 | BY OTHER RECEIPTS | 1823831.00 |
| TO INTEREST ON LOAN | 2446931.00 | BY RENT RECEIVED | 1602535.00 |
| TO COVID-19 | 287625.00 | | |
| TO DEPRECIATION | 58070636.00 | | |
| TO DONATION | 6963486.00 | | |
| TO DUTIES & TAXES | 77606.00 | | |
| TO ELECTRICITY EXPENSES | 15969477.00 | | |
| TO EXAMINATION EXPENSES | 741057.00 | | |
| TO EXTRA/CO-CURRICULAR ACTIVITIES | 8370872.12 | | |
| TO FUEL EXPENSES (GENERATOR) | 2978377.00 | | |
| TO HOUSEKEEPING | 13219788.91 | | |
| TO INSURANCE EXPENSES | 612725.80 | | |
| TO INTERNET EXPENSES | 1992308.10 | | |
| TO JOURNAL & PERIODICALS | 1251801.50 | | |
| TO LABS. CONSUMABLES | 9140241.00 | | |
| TO LEGAL & PROFESSIONAL CHG.. | 1199049.00 | | |
| TO MISC. EXPENSES | 87345.00 | | |
| TO POSTAGE & COURIER | 162521.00 | | |
| TO PRINTING & STATIONERY | 2974805.00 | | |
| TO PROCESSING FEES | 950200.00 | | |
| TO RENT | 2303975.00 | | |
| TO REPAIR & MAINTENANCE | 53892180.00 | | |
| TO SALARY & WAGES | 257353700.00 | | |
| TO SECURITY EXPENSES | 11479438.00 | | |
| TO STAFF AND STUDENT WELFARE | 4949091.11 | | |
| TO TELEPHONE EXPENSES | 419391.00 | | |
| TO TRAINING & PLACEMENT | 194779.00 | | |
| TO TRAVELLING & CONVEYANCE | 7562455.00 | | |
| TO VEHICLE EXPENSES | 3427110.00 | | |
| TO EXCESS OF INCOME OVER EXPENDITURE | 114623533.16 | | |
| | 594916697.63 | | 594916697.63 |

As per our report of even date :-

For Anil Vaish & Co.
Chartered Accountants

(Anil Kumar Gupta)
F.C.A.
Partner
Membership No. : 071184



(Vinay Kumar Garg)
Treasurer

(Rakesh Garg)
Secretary

Date 22.10.2020
Place : Ghaziabad

AJAY KUMAR GARG ENGINEERING COLLEGE
RUNNING BY INDIAN INSTITUTE OF MANAGEMENT & ENGINEERING SOCIETY
 27th-Km. Stone, Delhi-Hapur By Pass Road, P.O. Adhyatmik Nagar, Ghaziabad
 (ENCLOSURE TO THE BALANCE SHEET AS AT 31.03.2020)

ANNEXURE - A

| CORPUS FUND | | AMOUNT(Rs.) |
|---------------------------|---------------|--------------------|
| Balance B/F | 48,199,406.28 | |
| Less: Transfer to Society | 2,252,781.60 | 45,946,624.68 |

| GENERAL FUND | | |
|--|----------------|----------------|
| Balance B/F | 559,485,545.58 | |
| Add: Excess of Income over Expenditure | 114,623,533.16 | 674,109,078.74 |
| | | 720,055,703.42 |

ANNEXURE - B

| LOAN FUND | | AMOUNT(Rs.) |
|---|--------------|--------------------|
| SECURED LOANS | | |
| (Secured against equitable mortgage of college land & building and hypothecation of other movable assets) | | |
| KOTAK MAHINDRA BANK LTD (OD A/C) | | 162820674.5 |
| | TOTAL | 162820674.5 |

ANNEXURE - C

| SECURITY RECEIVED | | AMOUNT(Rs.) |
|--------------------------|--------------|--------------------|
| BCA CAUTION MONEY | | 178000.0 |
| B-TECH CAUTION MONEY | | 63086277.0 |
| MCA CAUTION MONEY | | 2448000.0 |
| M-TECH CAUTION MONEY | | 1767000.0 |
| HOSTEL SECURITY | | 15784400.0 |
| VENDOR SECURITY | | 100000.0 |
| | TOTAL | 83363677.00 |

ANNEXURE - D

| OTHER LIABILITIES | | AMOUNT(Rs.) |
|------------------------------------|--------------|--------------------|
| FEES PAYABLE (UPTU) / OTHERS | | 5187259.0 |
| AUDIT FEES PAYABLE | | 118000.0 |
| TDS Payable | | 11140.0 |
| IRD PROJECT (UNNAT BHARAT ABHIYAN) | | 50000.0 |
| SUNDRY CREDITORS | | 1058751.0 |
| GRATUITY PAYABLE | | 66149369.0 |
| | TOTAL | 72574519.0 |



Ajay Kumar Garg Engineering College
 Secretary Treasurer

ANNEXURE -E

AJAY KUMAR GARG ENGINEERING COLLEGE
RUNNING BY INDIAN INSTITUTE OF MANAGEMENT & ENGINEERING SOCIETY
 27th-Km, Stone, Delhi-Hapur By Pass Road, P.O. Adhyatmik Nagar, Ghaziabad
SCHEDULE OF FIXED ASSETS AS ON 31.03.2020

| ASSETS | Cost as on 01.04.19 | Additions | | DEDUCTION DURING THE YEAR | Cost as on 31.03.20 | Dep. @ | Accumulated Depreciation as on 01.04.19 | Total Depreciation For The Year | Accumulated Depreciation as on 31.03.20 | Written Down Value as on 31.03.20 |
|-----------------------------|---------------------------|----------------------------------|--------------------------------|---------------------------------|---------------------------|--------|--|--|--|---|
| | | from April 19 to Sep.19 | from Oct.19 to Mar.20 | | | | | | | |
| | | | | | | | | | | |
| BLOCK A | | | | | | | | | | |
| LAND & BUILDING | | | | | | | | | | |
| LAND | 127551161.50 | 0.00 | 29763000.00 | 0.00 | 157314161.50 | | 0.00 | 0.00 | 0.00 | 157314161.5 |
| BUILDING | 807503650.00 | 0.00 | 0.00 | 0.00 | 807503650.00 | 10.00% | 46064938.02 | 34143871.00 | 500208809.02 | 307294840.9 |
| BUILDING UNDER CONSTRUCTION | 106272233.00 | 26441892.00 | 49813381.00 | 0.00 | 182527506.00 | 0.00 | 0.00 | 0.00 | 0.00 | 182527506.0 |
| Sub Total | 1041327044.50 | 26441892.00 | 79576381.00 | 0.00 | 1147345317.50 | 0.10 | 466064938.02 | 34143871.00 | 500208809.02 | 647136508.4 |
| BLOCK B | | | | | | | | | | |
| FURNITURE & FIXTURE | | | | | | | | | | |
| Sub Total | 22802284.95 | 1505167.00 | 3172097.00 | 0.00 | 27479548.95 | 10.00% | 13155503.46 | 1273800.00 | 14429303.46 | 13050245.4 |
| BLOCK C | | | | | | | | | | |
| OFFICE EQUIPMENTS | 28951183.06 | 2213895.00 | 807048.00 | | 31972126.06 | 15.00% | 18720246.37 | 1927254.00 | 20647500.37 | 11324625.6 |
| OTHER ASSETS | 56920595.00 | 3876924.00 | 10156968.00 | | 70954487.00 | 15.00% | 36996699.51 | 4331896.00 | 41328595.51 | 29625891.4 |
| Sub Total | 85871778.06 | 6090819.00 | 10964016.00 | 0.00 | 102926613.06 | 0.30 | 55716945.88 | 6259150.00 | 61976095.88 | 40950517.1 |
| BLOCK D | | | | | | | | | | |
| VEHICLES | 17957070.00 | 0.00 | 1710010.00 | 117000.00 | 19550080.00 | 15.00% | 9479915.38 | 1382274.00 | 10862189.38 | 8687890.6 |
| Sub Total | 17957070.00 | 0.00 | 1710010.00 | 117000.00 | 19550080.00 | 0.15 | 9479915.38 | 1382274.00 | 10862189.38 | 8687890.6 |
| BLOCK E | | | | | | | | | | |
| LAB EQUIPMENTS | 97246124.75 | 355494.00 | 186440.00 | 0.00 | 97788058.75 | 40.00% | 82739317.68 | 5982209.00 | 88721526.68 | 9066532.0 |
| COMPUTER SC.LAB - ASSETS | 72198834.41 | 6023125.61 | 3979237.35 | | 82201197.37 | 15.00% | 43129169.91 | 5562362.00 | 48691531.91 | 33509665.4 |
| OTHER LAB EQUIPMENTS | 169444959.16 | 6378619.61 | 4165677.35 | 0.00 | 179989256.12 | 0.75 | 125868487.59 | 11544571.00 | 137413058.59 | 42576197.5 |
| Sub Total | | | | | | | | | | |
| BLOCK F | | | | | | | | | | |
| SOLAR SYSTEM | 20266525.00 | 0.00 | 0.00 | | 20266525.00 | 40.00% | 16912205.00 | 541728.00 | 19453933.00 | 812592.0 |
| Sub Total | 20266525.00 | 0.00 | 0.00 | | 20266525.00 | 0.80 | 18912205.00 | 541728.00 | 19453933.00 | 812592.0 |
| BLOCK G | | | | | | | | | | |
| LIBRARY - BOOKS | 32585330.50 | 2492400.50 | 1075050.00 | 0.00 | 36152781.00 | 40.00% | 28302150.00 | 2925242.00 | 31227392.00 | 4925389.0 |
| Sub Total | 32585330.50 | 2492400.50 | 1075050.00 | 0.00 | 36152781.00 | | 28302150.00 | 2925242.00 | 31227392.00 | 4925389.0 |
| G.TOTAL | 1390254992.17 | 42908898.11 | 100663231.35 | 117000.00 | 1533710121.63 | | 717500145.33 | 58070636.00 | 775570781.33 | 758139340.3 |



Ajay Kumar Garg Engineering College
 Ghaziabad
 Secretary
 Treasurer

AJAY KUMAR GARG ENGINEERING COLLEGE
RUNNING BY INDIAN INSTITUTE OF MANAGEMENT & ENGINEERING SOCIETY
27TH KM STONE, DELHI HAPUR BYPASS ROAD, P.O ADHYATMIK NAGAR, GHAZIABAD
(ENCLOSURE TO THE BALANCE SHEET AS AT 31.03.2020)

ANNEXURE - F

| INVESTMENT | AMOUNT(RS.) |
|---|--------------------|
| 4299997 Equity Shares of Rs. 10/- each in AKGEC Skills Foundation | 42999970.00 |

ANNEXURE - G

| CASH & BANK BALANCES | AMOUNT(RS.) |
|---------------------------------|---------------------|
| Cash in hand | 93375.00 |
| Bank Balances | 130834124.11 |
| FDR PLEDGED WITH GDA | 569427.43 |
| Accrued Interest on FDR's | 529929.00 |
| FDR WITH KOTAK BANK LTD | 31627393.00 |
| FDR WITH BANK OF BARODA | 22692048.00 |
| TOTAL | 186346296.54 |

ANNEXURE - H

| SECURITY DEPOSIT | AMOUNT(RS.) |
|---|--------------------|
| Allied Gas Security | 4000.00 |
| DR APJ ABDUL KALAM TECHNICAL UNIVERSITY | 1500000.00 |
| Electricity Security | 2931195.00 |
| INDRAPRASTA GAS LTD | 1373794.00 |
| Internet Security | 28500.00 |
| Ghaziabad Gas Security | 134935.00 |
| Telephone Security | 27000.00 |
| HIMGIRI AUTOMOBILES | 20000.00 |
| TOTAL | 6019424.00 |

ANNEXURE - I

| OTHER ADVANCES | AMOUNT(RS.) |
|-----------------------|--------------------|
| Advance to Staff | 148511.50 |
| Advance to Suppliers | 25650089.00 |
| Advance against Land | 14450000.00 |
| Income Tax Refundable | 2245947.00 |
| TOTAL | 42494547.50 |

ANNEXURE - J

| Amount Receivable | AMOUNT(RS.) |
|------------------------------------|--------------------|
| TDS | 387242.00 |
| PRADHAN MANTRI KAUSHAL VIKAS YOGNA | 2331765.00 |
| ALL INDIA COUNCIL OF TECHNOLOGY | 16650.60 |
| EAC 2019-20 (GOVT PROJECT) | 79338.00 |
| TOTAL | 2814995.60 |



Ajay Kumar Garg Engineering College
[Signature]
Secretary

[Signature]
Chairman