

The Annual Quality Assurance Report (AQAR) of the IQAC

Part – A

I. Details of the Institution

1.1 Name of the Institution

1.2 Address Line 1

Address Line 2

City/Town

State

Pin Code

Institution e-mail address

Contact Nos.

Name of the Head of the Institution:

Tel. No. with STD Code:

Mobile:

Name of the IQAC Co-ordinator:

Mobile:

IQAC e-mail address:

iqac@abes.ac.in

1.3 NAAC Track ID (For ex. MHC0GN 18879)

UPCOGN23025

1.4 NAAC Executive Committee No. & Date:

(For Example EC/32/A&A/143 dated 3-5-2004.

This EC no. is available in the right corner- bottom of your institution's Accreditation Certificate)

EC (SC)/15/A&A/58.1 dated 25-05-2016

1.5 Website address:

www.abes.ac.in

Web-link of the AQAR:

<http://www.abes.ac.in/AQAR2017-18.pdf>

For ex. <http://www.ladykeanecollege.edu.in/AQAR2012-13.doc>

1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 st Cycle	B	2.75	2016	5

1.7 Date of Establishment of IQAC: DD/MM/YYYY

01-09-2014

1.8 AQAR for the year (for example 2010-11)

2017-18

1.9 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC ((for example AQAR 2010-11 submitted to NAAC on 12-10-2011)

i. AQAR(2016-17) submitted on 02-04-2018

1.10 Institutional Status

University State Central Deemed Private

Affiliated College Yes No

Constituent College Yes No

Autonomous college of UGC Yes No

Regulatory Agency approved Institution Yes No

(eg. AICTE, BCI, MCI, PCI, NCI)

Type of Institution Co-education Men Women

Urban Rural Tribal

Financial Status Grant-in-aid UGC 2(f) UGC 12B

Grant-in-aid + Self Financing Totally Self-financing

1.11 Type of Faculty/Programme

Arts Science Commerce Law PEI (Phys Edu)

TEI (Edu) Engineering Health Science Management

Others (Specify)

1.12 Name of the Affiliating University (*for the Colleges*)

Dr. A.P.J. Abdul Kalam Technical
University, Lucknow (UP)

1.13 Special status conferred by Central/ State Government-- UGC/CSIR/DST/DBT/ICMR etc **NA**

Autonomy by State/Central Govt. / University

University with Potential for Excellence UGC-CPE

DST Star Scheme

UGC-CE

UGC-Special Assistance Programme

DST-FIST

UGC-Innovative PG programmes

Any other (*Specify*)

UGC-COP Programmes

2. IQAC Composition and Activities

2.1 No. of Teachers

2.2 No. of Administrative/Technical staff

2.3 No. of students

2.4 No. of Management representatives

2.5 No. of Alumni

2.6 No. of any other stakeholder and community representatives

2.7 No. of Employers/ Industrialists

2.8 No. of other External Experts

2.9 Total No. of members

2.10 No. of IQAC meetings held 3

2.11 No. of meetings with various stakeholders: No. Faculty

Non-Teaching Staff Students Alumni Others

2.12 Has IQAC received any funding from UGC during the year? Yes No

If yes, mention the amount

2.13 Seminars and Conferences (only quality related)

(i) No. of Seminars/Conferences/ Workshops/Symposia organized by the IQAC

Total Nos. International National State Institution Level

(ii) Themes

2.14 Significant Activities and contributions made by IQAC

- Academic audit of all the departments
- Introducing Quality benchmarking in the departments
- Monitoring the accreditation activities
- Encouraging departments to hold seminars / workshops / conferences/FDPs.
- Encouraging entrepreneurship activities in the college.
- Motivating faculty to publish research papers in indexed journals and treat research activities as integral part of Teaching Learning
- Departmental IQAC coordinators are nominated to create Quality culture in the departments.

2.15 Plan of Action by IQAC/Outcome

The plan of action chalked out by the IQAC in the beginning of the year towards quality Enhancement and the outcome achieved by the end of the year *

Plan of Action	Achievements
NBA Accreditation Organizing internal academic audit of the departments and monitor the T-L process Establishment of new COEs Organize Entrepreneurship awareness programs Encourage departments to organize FDPs/ conferences etc. for faculty development Enhancement in research publications Increase grants from various organizations	EN and , IT Department accredited by the NBA up to 30-06-2020 The audit was organized in May 2018. New COEs established in EN & EC Depts Seven such programs were organized under DST sponsored project. More than 15 FDPs, two International conferences and other programs organized.99 faculty were benefitted. In total 165 publications were done A grant of Rs 85.68 Lakh was received

**Attach academic calendar of the year: Annexure I.*

2.15 Whether the AQAR was placed in statutory body Yes No

Management Syndicate Any other body

Provide the details of the action taken

AQAR was perused by the Director & the Management. Suitable guidance and instructions were issued to all concerned for needful action.

Part – B

Criterion – I

I. Curricular Aspects

1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
PhD	-	-	-	-
PG	5	-	5	-
UG	7	-	7	-
PG Diploma	-	-	-	-
Advanced Diploma	-	-	-	-
Diploma	-	-	-	-
Certificate	-	-	-	-
Others	-	-	-	-
Total	12	-	12	-
Interdisciplinary	-	-	-	-
Innovative	-	-	-	-

1.2 (i) Flexibility of the Curriculum: CBCS/Core/Elective option / Open options-**CBCS**

(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	11
Trimester	-
Annual	-

1.3 Feedback from stakeholders*

Alumni Parents Employers Students

(On all aspects)

Mode of feedback : Online Manual Co-operating schools (for PEI)

**Please provide an analysis of the feedback in the Annexure*

**Annexure II*

1.4 Whether there is any revision/update of regulation or syllabi, if yes, mention their salient aspects.

The syllabus is revised once in 4 years in cyclic order by the University. In 2017-18 syllabus has been revised for 2nd year and the same has been implemented as per University guidelines.

1.5 Any new Department/Centre introduced during the year. If yes, give details.

NIL

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
292	200	58	34	0

2.2 No. of permanent faculty with Ph.D.: 55

2.3 No. of Faculty Positions Recruited (R) and Vacant (V) during the year

Asst. Professors		Associate Professors		Professors		Others		Total	
R	V	R	V	R	V	R	V	R	V
47	0	8	0	8	0	0	0	63	0

2.4 No. of Guest and Visiting faculty and Temporary faculty

27	02	0
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2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	93	23	06
Presented papers	59	04	0
Resource Persons	07	06	02

2.6 Innovative processes adopted by the institution in Teaching and Learning:

- Use of ICT for teaching
- Use of Google Classroom, Google forms etc.
- Demonstration using models
- Assertion -evidence (A-E) approach of presentation for showcasing visual evidence such as a figure, diagram, or photograph of certain topic through LCD projectors.
- Role-play (active-learning) to enhance cooperative learning and promote inter-group activity.
- Flipped class room method for increasing retention of the topics discussed in a lecture.
- Project based learning.
- Faculty YouTube lectures

- NPTEL Certifications by faculty and students

- Blended MOOCS & video lecture tutorials from IITs included in regular teaching.
- Topic beyond the syllabus has been covered as per the requirement of Industries to keep the students abreast with latest technologies.
- Workshops, Value added courses, Case studies, Guest speaker lectures are inherent part of the course delivery

2.7 Total No. of actual teaching days during this academic year

180

2.8 Examination/ Evaluation Reforms initiated by the Institution (for example: Open Book Examination, Bar Coding, Double Valuation, Photocopy, Online Multiple Choice Questions)

- IQAC believes that the appropriate assessment method is essential to ensure learning. The question papers are set after due deliberations and keeping in view Blooms taxonomy framework to test different cognitive skills for example for assessment of higher level cognitive skills rubrics are used by the departments appropriately.
- The sessional tests are conducted at regular time interval. The tests are organized under overall control of COE for college.
- Besides sessional tests, the weekly Class test are also conducted
- Techniques like open Book and Multiple Choice Questions (Google Classroom) test are conducted

2.9 No. of faculty members involved in curriculum Restructuring/revision/syllabus development as member of Board of Study/Faculty/Curriculum Development workshop

03	03	01
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2.10 Average percentage of attendance of students

75

2.11 Course/Programme wise distribution of pass percentage:

Title of The Programme	Total No. of Students Appeared	Division(Total/Percentage)				
		Distinction	I Div	II Div	III Div	Total Pass
B. Tech. (CSE-I & II Shift)	250	63	172	08	0	243
		25.20	68.80	3.20	0	97.20
B. Tech. (IT)	122	24	95	0	0	119
		19.67	77.86	0	0	97.54
B. Tech. (ECE-I & II Shift)	218	41	162	03	0	206
		18.80	74.31	1.37	0	94.49
B. Tech. (EN)	114	19	82	06	0	107
		16.66	71.92	5.26	0	93.85
B. Tech. (CE)	138	21	102	10	0	133
		15.21	73.91	7.24	0	96.37
B. Tech. (ME-I & II Shift)	193	23	157	09	0	189
		11.91	81.34	4.66	0	97.92
MCA	124	30	93	0	0	123
		24.19	75.00	0	0	99.19
MBA - (I & II Shift)	101	27	52	08	0	87
		26.73	51.48	7.92	0	86.13

2.12 How does IQAC contribute /Monitor/Evaluate Teaching and Learning Process?

IQAC of the college has a very robust system to monitor and evaluate the teaching learning process throughout the session

- Internal academic audit is conducted thrice a year by the audit teams
- The audit covers the whole gamut of academic process namely
 - i. Curriculum aspects
 - ii. Teaching-Learning Process
 - iii. Academic infrastructure and learning resources
 - iv. R & D and Innovations
 - v. Students' Support facilities
 - vi. Student Progression
 - vii. Governance and management and other activities

- Detailed check lists have been prepared by the audit teams on above aspects. There are six audit teams consisting of senior faculties of the college. The audit reports are issued and the departments are advised to take action as per audit reports and submit compliance to the IQAC cell which are reviewed and are discussed in the IQAC meetings.
- IQAC checks the feedback system to ensure that the feedbacks are collected from all the stakeholders namely Students, parents, faculty, employers and alumni, analysis is done and follow up action is taken by the departments.
- IQAC cell emphasizes that the assessment is done as per Bloom's taxonomy. IQAC Coordinator assists the departments to develop good rubrics to assess the higher level skills.
- IQAC cell monitors the record keeping of various academic processes in the department.
- Regular IQAC meetings are held to deliberate on various aspect of academic processes.

2.13 Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	34
UGC – Faculty Improvement Programme	83
HRD programmes	0
Orientation programmes	07
Faculty exchange programme	0
Staff training conducted by the university	0
Staff training conducted by other institutions	30
Summer / Winter schools, Workshops, etc.	45
Others	99

2.14 Details of Administrative and Technical staff

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	195	0	26	0
Technical Staff	58	0	9	0

Criterion – III

3. Research, Consultancy and Extension

3.1 Initiatives of the IQAC in Sensitizing/Promoting Research Climate in the institution

- Faculty are encouraged to register for Ph D in reputed institutions of the country. Rules provide granting long leave to such faculty members.
- College has a policy of promoting research by way of monetary incentives on publication of research papers. Incentives are awarded for publication of research papers in SCOPUS/SCI Indexed Journals to the extent of Rs 25,000/-in a session.
- Workshops are organised on writing quality research papers and case studies.
- Faculties are regularly encouraged to attend FDPs related to new areas of research
- College has a policy to reimburse the expenses on attending Conference/Workshop/FDP.
- ABES EC Faculty members are required to join at least two paid Professional Societies. It should be related to their work profile area. The membership fees of major professional societies is partially shared by the College
- Encouraging faculty members to enrol under NPTEL- MOOC programmes
- College promotes Faculty undertaking Consultancy projects as per the policy on the subject.
- Department have access to Plagiarism checking software “Turnitin”.
- From 2nd year onwards students are encouraged to involve themselves into research activities, proper slots are provided in the time table for the same. Workshops are organized for students for promoting research.
- Publications from Project outcomes are desirable for the from UG courses and mandatory from PG courses
- Students are encouraged for taking multidisciplinary research projects.
- A Renewable Energy Lab has been set up in Electrical & Electronics department to establish a research and development facility to develop cutting-edge solar energy solutions, foster exchange of ideas between industry, academia and policy makers from across the country. The endeavour is to make it the most reputable and eminent lab for solar energy research.
- To encourage innovations, the college has a Centre for Applied Research and Innovations (CARE)..

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number		1		
Outlay in Rs. Lakhs		5.00		

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	04	22		02
Outlay in Rs. Lakhs	1.50	5.75		0.10

3.4 Details on research publications

	International	National	Others
Peer Review Journals	38	15	
Non-Peer Review Journals	22	08	
e-Journals	22	15	
Conference proceedings	43	02	

3.5 Details on Impact factor of publications:

Range Average h-index Nos. in SCOPUS

3.6 Research funds sanctioned and received from various funding agencies, industry and other organisations

Nature of the Project	Duration Year	Name of the funding Agency	Total grant Sanctioned INR	Received INR
Major projects	14-15 to 17-18	MSME	2351200	2351200
Minor Projects				
Interdisciplinary Projects				
Industry sponsored				
Projects sponsored by the University/ College	2017-18	College	4007048	4007048
IEEE Conference	2017-18	AICTE	300000	150000
Seminar -EC	2017-18	AICTE	100000	100000
International Conference - ME	2017-18	AKTU Lucknow	100000	50000
Research Promotion scheme VPRS	2017-18	AKTU Lucknow	500000	400000
Students research projects <i>(other than compulsory by the University)</i>	2017-18			
Any other(Specify) DST-NIMIT Project	2017-18	EDI-Ahmedabad	2450000	1225000
Any other(Specify) International Conference on Smart cities	2017-18	Industry and othersi		285000
Total			9808248	8568248

3.7 No. of books published i) With ISBN No. Chapters in Edited Books

ii) Without ISBN No.

3.8 No. of University Departments receiving funds from---- NA

UGC-SAP CAS DST-FIST
 DPE DBT Scheme/funds

3.9 For colleges

Autonomy CPE DBT Star Scheme
 INSPIRE CE Any other(Specify)

3.10. Revenue generated through consultancy

3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
Number	03	-	-	-	-
Sponsoring agencies	AKTU:01 IEEE:01 CCIL,LIC,IES,DST & others:01	-			

3.12 No. of faculty served as experts, chairpersons or resource persons

3.13 No. of collaborations International National Any other

3.14 No. of linkages created during this year

3.15 Total budget for research for current year in lakhs:

From funding agency From Management of University/College

Total

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	05
	Granted	-
International	Applied	-
	Granted	-
Commercialised	Applied	-
	Granted	-

3.17 No. of research awards/ recognitions received by faculty and research fellows
Of the institute in the year

Total	International	National	State	University	Dist	College
03	01	01	01	-	-	-

3.18 No. of faculty from the Institution who are Ph. D. Guides
and students registered under them

3.19 No. of Ph.D. awarded by faculty from the Institution

3.20 No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones)

JRF SRF Project Fellows Any other

3.21 No. of students Participated in NSS events:

University level	<input type="text" value="52"/>	State level	<input type="text" value="52"/>
National level	<input type="text" value="0"/>	International level	<input type="text" value="0"/>

3.22 No. of students participated in NCC events: -NIL

University level	<input type="text"/>	State level	<input type="text"/>
National level	<input type="text"/>	International level	<input type="text"/>

3.23 No. of Awards won in NSS: -NIL

University level	<input type="text"/>	State level	<input type="text"/>
National level	<input type="text"/>	International level	<input type="text"/>

3.24 No. of Awards won in NCC: -NIL

University level	<input type="text"/>	State level	<input type="text"/>
National level	<input type="text"/>	International level	<input type="text"/>

3.25 No. of Extension activities organized

University forum	<input type="text" value="1"/>	College forum	<input type="text" value="6"/>	
	<input type="text" value="-"/>		<input type="text" value="6"/>	<input type="text" value="-"/>

3.26 Major Activities during the year in the sphere of extension activities and Institutional Social Responsibility

- Blood donation camp
- Cancer awareness rally
- Health and heart disease awareness talk
- Cloth donation drive
- Swatchhta Rally
- Swatchhta Pakhwada

Criterion – IV

4. Infrastructure and Learning Resources

4.1 Details of increase in infrastructure facilities:

Facilities	Existing	Newly created	Source of Fund	Total
Campus area	15.72 Acre	-	-	15.72 Acre
Class rooms	76	-	-	76
Laboratories	77	-	-	77
Seminar Halls	08	-	-	08
No. of important equipments purchased (\geq 1-0 lakh) during the current year.	-	-	-	-
Value of the equipment purchased during the year (Rs. in Lakhs)	252.59	85.43	College	338.02
Others	5655.73	781.25	College	6436.98

4.2 Computerization of administration and library

- Library has been completely computerized enabling students and faculty to access books, journals and reference materials.
- The library operations are automated using Libsys 7 (Library Management Software). Online Public Access Catalogue (OPAC), book circulation, stock verification are utilized through the library software.
- Accounting software, HR software & maintenance complaint registration software are part of computerization of administration.
- All the students, faculty and staff members have bar coded identity cards.

**4.3 Library Services
(Amounts in INR)**

Items Type	Existing (June-2017)		Newly added (July 2017 to June-2018)		Total	
	No.	Value (Approx.)	No.	Value (Approx.)	No.	Value (Approx.)
Text Books	98829	30100271.00	1760	696228.00	100589	30796499.00
Reference Books	4277	1360086.00	131	63984.00	4408	1424070.00
E-Books	35	Nil	20	Nil	55	Nil
Print Journals & E-Journals figure June 2017 to June 2018						
Journals	110	217052.00	16	36280.00	208	413419.00
			82 Renewal	160087.00		
E-Journals	275	672319.00	54	562422.88	604	1903483.00
			275 Renewal	668741.50		
Digital Database	2	1. Elsevier (Science Direct) 2. NDL (National Digital Library)	2	1-ACM Digital Library 2- Institute of Engineers Online Journals	4	1- Elsevier (Science Direct) 2-ACM Digital Library 3- Institute of Engineers Online Journals 4- NDL (National Digital Library)
CD & video Cassette (IIT Lectures)	296	54632.00	Nil	Nil	296	54632.00
Others (Specify)	Nil	Nil	Nil	Nil	Nil	Nil
Total =		32404360.00	2187743.38		34592103.00	

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	1810	1160	465 MbPS	-	-	150	250	260
Added	80	80	100 Mbps	-	-			
Total	1900	1240	565 Mbps	-	-	150	250	260

4.5 Computer, Internet access, training to teachers and students and any other programme for technology up gradation (Networking, e-Governance etc.)

- College has a robust data network with backbone of 10 Gbps. The network enhancement has been carried out to boost various IT facilities for the students and faculty. The college has plans to migrate the ERP on the Cloud.
- Campus Wi-Fi access facilities for the faculty ,staff and the students in the departments and in the hostels.
- Video Conferencing facilities for online programmes and sessions.
- Portal for attendance and evaluation
- All library services are web based.
- Online Alumni Details management.
- Departments organize various value added courses to offer additional skill learning to he students.
- The data network is used for conducting on line tests ,interviews,GDs and feedback etc.
- Class notes and assignments, solution to the question papers of tests are uploaded in Google class rooms for the students.

4.6 Amount spent on maintenance in lakhs :

i) ICT	151.58
ii) Campus Infrastructure and facilities	505.14
iii) Equipments	17.09
iv) Others	77.74
Total :	751.55

Criterion – V

5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

- Two students are the members of the IQAC committee
- IQAC ensures that the departments follow student centric teaching learning process.
- Special attention is given to the slow learner. Remedial classes are held
- Every department is required to set up a Student Grievance redressal cell.
- Student feedback is taken on all academic activities and facilities.
- Ensuring that all the information regarding special classes, coaching classes, or any other activities are sent through official mail.
- The IQAC appointed audit team examines the Students Support facilities in the department'

5.2 Efforts made by the institution for tracking the progression of students

The Departments follow a students' centric academic, co-curricular and extra-curricular approach to be in touch with the students. The salient points of this approach are as under:

- i. Mentor-Mentee system: The intent is to establish a kind of positive student-teacher relationship which can be utilized to solve many personal, professional or academic issues of the students. Every student has a mentor for this purpose.
- ii. Counselling cell: The goal of the cell is to help students develop socially, personally, and academically as well as provide therapy and counselling services to the students as and when required.
- iii. Special Sections for academically needy Students - Special Sections are created to categorically pay attention to the academically needy students in every subject.
- iv. Bright Student Cell: A few additional strategies help our bright students shine brighter, so that we not only have a zero back students rather we generate university toppers.
- v. Promote Extra-Curricular and Co-Curricular Activities: Students need to learn the basic life skills like team work, time management and prioritizing, also, to cater to the diverse talents of our students, we promote these activities.
- vi. Every class had dedicated class coordinators and each student has a mentor, whom the students can approach for academic and personal counselling.
- vii. Soft skill training programs are the inherent part of the teaching learning process to enhance the employability of the students.

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
3952	441	-	-

(b) No. of students outside the state

295

(c) No. of international students

0

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
3304	356	4	1197	0	4561	2896	344	2	1151	0	4393

Demand ratio

Dropout %

1.36

5.4 Details of student support mechanism for coaching for competitive examinations (If any)

The following facilities are provided to the students to prepare them for the various competitive competitions through internal and external resources:

- i. Departments conduct classes for GATE preparations. Besides this, a dedicated cell has been set up which conducts classes for M.TECH/PSU aspiring students
- ii. A coaching institute 'IES Academy' conducts classes in the college itself.
- iii. External Agencies 'Co-cube' and 'Engineers Success' also provide traing to the students.
- iv. Soft skill training and aptitude classes are arranged by the professionals.
- v. Various core skill training are conducted by the departments
- vi. Library has a pool of books for the competitive examinations. Besides this library provides newspapers, magazines, e-books and the internet facility.
- vii. Technical seminars are arranged by the departments.
- viii. College has a 'Centre for Building Skills and Employability' (CBSE) which organizes a number of training programs to enhance the employability of the students.

No. of students beneficiaries

1078

5.5 No. of students qualified in these examinations

NET	<input type="text"/>	SET/SLET	<input type="text"/>	GATE	<input type="text" value="68"/>	CAT	<input type="text" value="02"/>
IAS/IPS etc	<input type="text"/>	State PSC	<input type="text"/>	UPSC	<input type="text"/>	Others	<input type="text"/>

5.6 Details of student counselling and career guidance

- **Counselling Guidance to the students**

- Counselling Cell is designed to facilitate student achievement and improve student behaviour. The goal of the cell is to help students develop socially, personally, and academically; as well as provide therapy and counselling services to the students as and when required.
- Students counselled on the basis of academic performance/irregularity regarding classes/parent's discussion with mentors/career guidance by each and every mentor to third year and final mentees

- **Mentorship programme:** A few students are assigned to each faculty member who acts as their mentor. In this system the teacher monitors the progress of the student in studies and extra curricular activities and provides necessary counselling and support.
- **Center for Career Planning & Development (CCPD)** is established at ABESEC to develop and work for a strong and long lasting Industry-Academia Partnership. CCPD, with the feedback and help of corporate, ensures that the students are imparted with latest tools and skills available across the market, incorporating all elements, which enable the students to become well suited and ready for the job market and cut throat competition. In order to explore students' abilities to the fullest, events like expert talks by the prominent specialist in current technologies, confidence building, stress & time management and attitudinal development are organized. These subsequently mould them as per competitive market requirement and make them feel confident by developing in them, both leadership qualities as well as managerial skills and still be sensitive to the human compassion. Besides all such activities, the CCPD lays emphasis on case studies, industrial visits and practical training over the full academic calendar year without affecting the normal academic schedule of teaching and learning.
- Besides the centralized CCPD cell, Departments also have career guidance cell to provide training and guidance to students on the various aspects of building a career in the respective domain especially in the core companies.
- Microsoft IT Academy, Centre for Enterprise S/W Development, COE for Mobile Application Development, Cisco Networking Academy, COE Big Data Analytics

No. of students benefitted

3265

5.7 Details of campus placement

<i>On campus</i>			<i>Off Campus</i>
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
450	1171	545	236

5.8 Details of gender sensitization programmes

- Women Welfare and Grievance Redressal Cell organized a play based upon Women Empowerment 'Kuch to Baat ho' along with "**Black Pearl Arts**", a Delhi Theatre group on 31st July, 2017. This group is working with Delhi Police for spreading awareness about female rights through street plays. The play was organized in two slots and all the students, faculty members and staff members participated in it with full enthusiasm.
- On 12th August, 2017, WWGRC also organized a seminar on "Gender Sensitivity & Harassment: The Legal Aspect". The objective of programme was to create awareness and sensitize the faculty members and staff of the institute towards the subject and build a healthy working environment. Dr. Hina K. Bijli (Associate Professor, IGNOU) and Mr. Sandeep Garg (Advocate) were invited as guest speakers for the seminar.
- Women Welfare and Grievance Redressal Cell organized a wall painting competition on 10th September, 2017. Preliminary round for this competition was paper painting competition which was held on 17th August, 2017. Best 9 teams of this round were selected for wall painting competition which was held on 10th September, 2017. Cash prizes were awarded to the best three teams.
- Women Welfare and Grievance Redressal Cell and ABES Startup Labs organized an Entrepreneurship Awareness Camp for Girl students of the college on the occasion of International Women's Day on 8th March, 2018. Dr. Usha Dixit from DST was invited as Chief Guest for the function. A total of 80 girl students participated in this camp with full enthusiasm and zeal.

5.9 Students Activities

5.9.1 No. of students participated in Sports, Games and other events

State/ University level National level International level

No. of students participated in cultural events

State/ University level National level International level

5.9.2 No. of medals /awards won by students in Sports, Games and other events

Sports : State/ University level National level International level

Cultural: State/ University level National level

5.10 Scholarships and Financial Support

	Number of students	Amount(INR)
Financial support from institution	-	-
Financial support from government	1117	6,95,13,707
Financial support from other sources	0	0
Number of students who received International/ National recognitions	0	0

5.11 Student organised / initiatives

Fairs : State/ University level National level International level

Exhibition: State/ University level National level International level

5.12 No. of social initiatives undertaken by the students-

5.13 Major grievances of students (if any) redressed: NIL

Criterion – VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

VISION

To take ABES Engineering college by the year 2020 to such a level that it is an equal partner of the other institutions of the world to provide the leadership to the international education system and is rated as one of the top world institutions which produces world class competent and dedicated technical and managerial human resource embedded in the traditional Indian Values and positive attitudes.

MISSION

To create an ambience for healthy teaching-learning process

To nurture the students and infuse in them:

- A passion to excel professionally
- A spirit to be of utmost use to the industry, corporate sector and society at large
- An intense desire to take challenging responsibilities and leadership roles
- A craving to be wholesome good human beings
- To develop an environment for creating new knowledge through research and by striving to explore innovative ideas

6.2 Does the Institution has a management Information System

Yes. The institution has a management information system.

6.3 Quality improvement strategies adopted by the Institution for each of the following:

6.3.1 Curriculum Development

- ABESEC being affiliated to Dr. APJ AKTU Lucknow Uttar Pradesh, follows the syllabus as prescribed by the University. Curriculum contains a uniform distribution of basic sciences, humanities, core courses, elective and allied courses. The university has included all important components like seminar, industrial training, minor and major projects.
- In order to maintain quality of education, the ABESEC has implemented the Outcome Based Education (OBE) in all its departments. The cornerstone of the OBE is that the identified program and course outcomes should be attained. Despite the fact that the affiliating University prescribes a comprehensive curriculum, on assessment of the outcomes it is observed that there are shortfalls in targeted attainment levels of the POs/COs. Accordingly a there is a need to identify the curriculum gaps to ensure attainment of the outcomes which otherwise will not be possible. The departments follow a detailed *and rigorous process* and take into account the

input and feedbacks from all internal and external stakeholders. Specifically inputs from the following sources is considered.

- Suggestions and recommendations of faculty
 - Student's feedback through graduate exit survey and course feedbacks
 - Alumni Feedback
 - Feedback from professionals from industry by interaction in conferences, visits to the Institution as guest speaker, industrial visits etc.
 - Feedback from employers, corporate feedback after placement drive
 - Suggestion from the eminent academicians during visit to the Institutions as Guest speakers in Conference, seminars, FDPs etc.
 - Need to include state of the art industry oriented courses to meet industry requirements
 - Need to include design aspect in the program
 - Need to include critical thinking and problem solving skills in the program
- iii. The Centre for Building Skills & Entrepreneurship (CBSE) of the college grooms the students in the area of their interest. It has a number of COEs to train the students in industry oriented skills be it soft skills or hard skills, be it software skills or hardware skills, be it project skills or competition success skills.

6.3.2 Teaching and Learning

1. Learner centric approach

Departments are advised to document and implement student centric policy such as experiential learning, participative learning and problem solving methodologies

2. Delivery system:

Course files are checked in respect of following aspects-

- Adherence to standard format of course file
- Adherence to academic calendar
- LDS as per time table, completion of syllabus as per university syllabus
- Curriculum gaps have been identified after taking into account the feedbacks from all internal and external stakeholders and delivery methods finalized.
- Departments are advised to conduct the tutorials in real spirit of requirements and as per University guidelines.
- Assignments should have the relevance to COs

3. Lab experiments:

- Lab sessions provided in time table as per University syllabus and conducted in a semester accordingly
- Analysis and verification of results are to be done
- Any V-Lab activities are to be included
- Continuous assessment should be done

4. Minor/Major Project Work

Process of allotment of projects, process of continuous monitoring and evaluation, quality of projects and project reports. Good rubrics to be used to assess the attainment of intended POs/PSOs/COs

5. Design problems

The delivery system should have some design problem relevant to the POs.

6. Strategy for needy students

Strategy followed by the department for the slow learner and the fast learner. Remedial classes as per need.

7. Innovative teaching methods used by the faculty

- Use of ICT, Online course-MOOC, Coursera, NPTEL etc
- Webinars, Video lectures
- Flipped Classes for interactive learning
- Use of Google class rooms

8 Internal evaluation & Sessional tests

The sessional test question papers should be relevant to the prescribed COs and the questions should be set from outcome/learning level perspective Evidence should be available to show COs coverage in the sessional tests.

9. Academic performance of the students

- Percentage of students passing out in 4 years
- Average overall % marks obtained by the students

9. Learning outcome evaluation

- Tools used for evaluation of POs/PSOs/COs
- Whether all the faculty know the attainment process,
- Whether good rubrics have been developed to assess the higher level cognitive skills of the students.

10. Feedback

Feedback should be collected from all internal and external stakeholders (Students, Faculty, Parents, Employers and Alumni).The feedback should be analyzed and follow-up action should be taken.

11. Industry interaction, internship/summer training

- Industry involvement in the program design and partial delivery of any regular courses for students
- Industrial training/tours for students
- Industrial /internship /summer training of more than two weeks and post training Assessment
- Guest speakers from the Industries

12. Co-curricular activities:

- The department should organize co-curricular activities in the course.

- Relevance and importance of such activities for the attainment

6.3.3 Examination and Evaluation

- End semester examinations are conducted by the affiliating University, the AKTU, Lucknow.
- For internal assessment and evaluation, every semester two sessional tests along with one Pre-University examination are conducted. The tests are conducted centrally under the supervision of the COE of the college and in accordance with the guidelines of the University.
- Evaluation of the answer sheets are done within 5 days from the date of exam, the progress of the slow learner students are reported to their parents and special attention is provided to the slow learners by offering remedial classes.
- Besides this the assessment is also done by conducting weekly tests, midterm lab evaluation, assessment based on tutorials, assignments, minor/major project works and online quizzes.
- The question papers of the three tests and other assessment methods are set to align these with the desired students learning outcomes.

6.3.4 Research and Development

- The ABESEC Management attaches great importance to the research activities and aims to make research as an integral component of academic activities and not merely an activity supplementary to teaching.
- The college has framed policies to encourage faculty to take research projects, research publications and present papers in the conferences, seminars and journals.
- College policy provides monetary incentives on publication of research papers. Incentives are awarded for publication of research papers in SCOPUS/SCI Indexed Journals to the extent of Rs 25,000/-in a session.
- The management of the institution offers Rs.25,000 seed money for starting a research projects
- Students are encouraged to opt final year projects with research focus and guides are also allotted based on their specialization. Publication of project work as conferences paper is mandatory for the PG students.
- Faculty members are encouraged to apply for research funding from various funding agencies like AICTE, DST, ISTE, MSME, AKTU etc.
- Seminars and workshops have been regularly organized to provide expert lectures.
- The college supports the faculty to take up external consultancy. The Consultancy policy of the college provides handsome rewards and recognition for the same.

6.3.5 Library, ICT and physical infrastructure / instrumentation

- The college has a well-stocked and digitalized central library with subject/department-wise division to ensure easy, quick and efficient access to the desired books. The total number of books are over one lakh.
- OPAC Software is provided for personal assistance to each and every user while accessing the library books
- Bar-coded Identity card/Library card to all the users.
- E-Journals access like IEEE, ASME, DELNET- IESTC Journals, and DELNET-ProQuest-Management Journals.
- Issue of Educational CD/DVD"s to the needy students/faculty.
- All Departments have their own library for use by the faculty
- Wi-Fi campus with 10Gbps back bone network consisting of latest swathes firewall for security, cloud technology for website hosting and data backup for the purpose of high availability and protection of data and the services. ..
- Excellent physical infrastructure with total campus area of 15.72 acre, 76 air-conditioned class rooms equipped with LCD projectors and AV systems,77 well equipped laboratories,8 seminar halls and one 500-seat capacity auditorium. The campus has hostels for boys and girls students, a swimming pool, cricket ground and other facilities for the students.

6.3.6 Human Resource Management

- Timely recruitment of teaching and non-teaching staff by the management to ensure smooth functioning of the institution.
 - The performance of the faculty is assessed yearly through self-appraisal reports and appropriate recommendations are made by the Head of the Department.
 - ABESEC has laid down policies for staff and faculty for clarity and transparency in working and for professional empowerment of the faculty-
- i. Welfare norms & Incentives Policies
 - Incentives for publication in SCOPUS/SCI Indexed Journals
 - Incentives to attend Faculty Development Programs
 - Incentives for membership of professional Societies
 - Application for pursuing Higher Education
 - Employee retention policy
 - Health Insurance policy
 - Maternity benefits
 - ii. Employee's Service and Leave policies
 - iii. Grievance Redressal policy
 - iv. Promotion Policy & TA/DA policy

v. Consultancy Policy

- There are many staff welfare schemes namely EPF, Group insurance and medical insurance policy.
- ERP Biometric system is introduced for all the administrative modules of the institution

6.3.7 Faculty and Staff recruitment

The following procedure has been adapted for faculty and staff recruitment:

- Public Advertisement through National dailies.
- Application scrutiny by the concerned heads.
- Formation of expert committee with the composition of members as recommended by the AICTE & AKTU.
- Expert committee interview for the candidates.
- Issue of appointment letter by the HR Head.

6.3.8 Industry Interaction / Collaboration

- The college endeavours to enhance the involvement of industry in the program in all its facets namely curriculum development, teaching learning process, establishment of Industry related COEs, R & D etc
- The college has signed MoU with many leading industries
- Professionals are invited to share their industrial experiences with the students.
- The students are encouraged to take up research projects in different industries in conformity with the domain and curriculum.
- Students are encouraged to take-up internships in leading industries.
- Many conferences, workshops and seminars are regularly conducted by each department and many technical experts and leading industrialists are invited during the event.
- Field visits and study trips are organized for the students to make them familiar with the practical environment.
- The institution included industry specific courses to cater the needs of the industry

6.3.9 Admission of Students

The students are admitted according to the AKTU/ UP Government/ AICTE Norms

6.4 Welfare scheme for

Teaching	Maternity Benefit, EPF, Medical Insurance, Transport Facility
Non teaching	Maternity Benefit, EPF, Medical Insurance, Transport Facility
Students	Medical Insurance

6.5 Total corpus fund generated (Rs Lakh)

6.6 Whether annual financial audit has been done Yes No

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	ISO	Yes	IQAC
Administrative	Yes	ISO	Yes	IQAC

6.8 Does the University/ Autonomous College declares results within 30 days?

For UG Programmes Yes No

For PG Programmes Yes No

6.9 What efforts are made by the University/ Autonomous College for Examination Reforms?

6.10 What efforts are made by the University to promote autonomy in the affiliated/constituent colleges?

6.11 Activities and support from the Alumni Association

- Alumni meets are organized yearly.
- Alumni visit the departments throughout the year and interact with the students
- Alumni are the partners in organizing extension activities in the college.
- During the year 12 activities have been organized in association with the Alumni.
- Every Alumni is encouraged to register in Alumni Association
- Alumni delivers guest lectures/motivational talks
- Help the CCPD cell by arranging contacts for recruitment drive.
- Help in networking with industries
- Help in arranging industry personnel for guest lectures
- Alumni are important stakeholders of an educational system. ABESEC has a well-defined feedback form to obtain their observations and suggestions on the various aspects of the activities of the College.

6.12 Activities and support from the Parent – Teacher Association

- Parents Teachers meetings are held as per requirement the semester.
- Parent's feedback is collected on various aspects of academic processes.
- Parents are made representatives in various committees like Programme Advisory Committee etc.
- The faculty coordinators and other faculty members remain in touch with the parents. Whenever there is a disciplinary problem/poor performance in the class/examinations, the parents are contacted to inform and counsel the students.
- Parents are invited on Convocation day and in award function of their ward. Parents are also invited in the orientation program of new joining students
- Parents are kept in loop for overall development of the students.

6.13 Development programmes for support staff

- Computer Skills – Ms-word, Excel
- Technical staff development program
- Basic English communication
- Visit to other institute of repute for enhancing skills.

6.14 Initiatives taken by the institution to make the campus eco-friendly

- Use of solar energy: A 300 KW Solar system has been installed.
- Use of LED bulbs: All lighting load is by the LEDs
- Rain water harvesting: 7 rain harvesting tanks have been placed at various locations
- Green landscaping: 14.6% of total area of 63893 sq. m is green (Trees & Plants)
- Paperless office: Most communications are on email. Further one-sided paper is used where printing necessary.
- Plastic free campus: Food vendors use paper bags only
- Waste management: Two types of dust bins have been placed in the campus. One is for waste material which is recycled.

Criterion – VII

7. Innovations and Best Practices

7.1 Innovations introduced during this academic year (2017-18) which have created a positive impact on the functioning of the department. Give details.

- **Strategy for slow and bright students:** ABESEC has a well thought strategy to assist the slow learner students. It has shown positive impact on the results of the students in University examinations of various years. Further the bright students of the courses are identified to push them forward so that they excel in the University examinations.
- **Strengthening of OBE process:** The College has taken steps to strengthen the OBE process in terms of improving assessment methods as per Blooms taxonomy. Rubrics have been developed to assess the higher level skills. Structured Feedback is taken from the stakeholders analysed and action taken as per analysis.
- Enhancement of industry involvement in the academic process in terms of internship, guest speakers from industry, industrial visits, live projects etc.
- Establishment of COEs in new technologies areas.

- Organization of Personality development classes in all the programs to enhance the employability of the students.
- Increase in the interactions of the Alumni with the students.

7.2 Provide the Action Taken Report (ATR) based on the plan of action decided upon at the Beginning of the year

Plan	Action
To implement Outcome Based Education in whole college	The OBE processes have been effectively implemented in ECE, EN, ME, IT and CSE departments.
To get accredited in EN,IT & MBA programs	IT & EN Departments have been accredited up to 30 June 2020 by the NBA vide letter dated 19 th Jan 2018.
To establish Centre of excellences in ECE,EN and ME Departments	<p>-A VLSI Center of Excellence has been established in ECE Department.</p> <p>-The Renewable Energy Lab has been set up in EN department to establish a research and development facility to develop cutting-edge solar energy solutions,</p>
To organize funded national seminars/workshops/FDPs for Faculties and students.	<p>-FDPs sponsored by the AKTU under TEQIP-III scheme have been organized by the departments as per following details</p> <p>IT-6, ECE-2, ME—3, Civil-1 and EN-1.</p> <p>-Besides the above mentioned FDPs, a number of ICT based FDPs and workshops for the students were organized.</p>
To organize the international conference	<p>-An International conference was organized on “Smart Cities with Focus on Environmental Challenges, SCFEC-18” on 10th-11th April, 2018.</p> <p>-An International conference on “Advances in business and engineering for sustainability was on 27th-28th March, 2018.</p>

To conduct entrepreneurship awareness camp and workshops	Under DST sponsored project DST-NIMAT, seven programs were organized at ABESEC.										
To conduct industrial visits to each departments	Every departments has organized a number of industrial visits during the year.										
To achieve higher placements as compared to previous years	<p>Details of placement 2017-18 is as follows</p> <table border="1"> <thead> <tr> <th>Program</th> <th>Total no. of students placed</th> </tr> </thead> <tbody> <tr> <td>B.Tech</td> <td>610</td> </tr> <tr> <td>MCA</td> <td>79</td> </tr> <tr> <td>MBA</td> <td>92</td> </tr> <tr> <td>Total</td> <td>781</td> </tr> </tbody> </table>	Program	Total no. of students placed	B.Tech	610	MCA	79	MBA	92	Total	781
Program	Total no. of students placed										
B.Tech	610										
MCA	79										
MBA	92										
Total	781										

7.3 Give two Best Practices of the department (*Please see the format in the NAAC Self-study manual.*)

- | |
|---|
| <ul style="list-style-type: none"> Organizing technical staff development program to enhance the skills and competencies of staff members Academic support to slow learners |
|---|

The details of Best Practices are in Annexure III

7.4 Contribution to environmental awareness / protection

- | |
|--|
| <ul style="list-style-type: none"> College has established a club entitled ENVIRON Clubs which is very active and holds debate, poster competitions and a series of other programs throughout the year. Environmental studies paper for all the first year under graduates' students. Awareness programmes, camps, rallies etc are organised under NSS schemes. Awareness has been created among the staff and faculty not print documents unless it is absolutely essential and develop a habit of reading from the soft copy only. Awareness has been created towards avoiding wastage of water and electricity. Swachchtha Abhiyan is being implemented with full vigour by all the staff, faculty and students |
|--|

7.5 Whether environmental audit was conducted? Yes No

7.6 Any other relevant information the department wishes to add. (for example SWOT Analysis)

Institutional Strength

- Proven record of accomplishment and brand name. ABES is considered among the top most college of AKTU, the affiliating University.
- Four departments namely ECE, CSE, EN and IT are accredited by the NBA.
- Student centric rigorous teaching learning process.
- Most faculty are well versed in OBE processes.

- Dedicated, experienced and competent faculty.
- Well-equipped laboratories.
- Excellent physical and educational infrastructure
- Excellent facilities for extra-curricular activities

Institutional Limitations

- Inability to respond quickly to industry needs due to affiliating university system
- No real control over curriculum, academic calendar, admissions and evaluation process
- Inability to change quickly to the transformations in engineering education

Institutional Opportunities

- To get autonomous college status
- Potential for collaboration with industry due to locational advantage
- To enhance research capabilities
- To launch need based academic programs
- Rapid advancement in technology and consequent changes in industry intake-level requirements

Institutional challenges

- Balancing between demands of fast changing industry with natural limitation being an affiliated college
- Motivation for quality research and publications
- Rapid advancement in technology and consequent changes in industry intake-level requirements
- Mentoring and preparing students of diverse backgrounds to render them industry-ready

8. Plans of the department for the year 2018-19

- To strengthen the implementation of Outcome Based Education in its various aspects by streamlining its processes and by use of a suitable software.
- To effectively monitor the various academic processes by conducting academic and administrative audits of the departments and other units of the College.
- To organize funded international conferences/ national seminars/workshops/FDPs for students and Faculties.
- To increase the number of Research publications in Indexed Journals by the faculty.
- To increase the number of faculty having PhD qualification
- To bring consultancy and Government funded research projects.
- To enhance Industry-institute interaction in terms of increase in number of industrial visits by the students, the guest speakers from the industry and the MoUs.
- To conduct entrepreneurship awareness camp and workshops.
- To achieve better academic performance of the students in terms of pass percentage and Gross Average Intellectual Attainment (GAIA) per student as compared with previous.
- To achieve higher placements as compared with previous year in terms of quality as well as quantity by providing good training program, monitoring and control .
- To publish a Faculty Resource Book for the benefit of the faculty.
- To establish an out station Alumni chapter.

Prof A.K.Arora

Prof (Dr) Gajendra Singh

Signature of the Coordinator, IQAC

Signature of the Chairperson, IQAC

_____*_____

ABES Engineering College, Ghaziabad

Office of Registrar

Ref.: ABES/RO-K/106/2016-17

Date: 17th July 2017

Circular (Revised)

Academic Calendar for Odd Semester (Session: 2017-18)

Academic Calendar for the odd semester of academic session 2017-18 is as under:

JULY						
S	M	T	W	Th	F	Sa
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					
-Registration of B.Tech.3 rd and 5 th Sem. : 17/07/2017						
-Commencement of classes B.Tech. 3 rd and 5 th Sem. : 18/07/2017						
-HVPE Universal Workshop for B.Tech. EN 3 rd Sem. : 20-22/07/2017						
-Holiday for Mahashivratri (Sawan) : 22/07/2017						
-Registration & Commencement of classes of B.Tech. 7 th Sem : 24/07/2017						
MCA 3 rd & 5 th Sem & M.Tech. 3 rd Sem						
-HVPE Universal Workshop for B.Tech. EC 3 rd Sem. : 27-29/07/2017						
-Commencement of classes for B.Tech 1st sem : 31/07/2017						
Total Teaching Days: 10 Days / Exam Days : Nil						
AUGUST						
S	M	T	W	Th	F	Sa
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		
- Holiday for Raksha Bandhan : 07/08/2017						
-Commencement of classes MCA ,MBA & M.Tech 1st Sem : 08/08/2017						
-Commencement of classes MBA 3 rd Sem. : 08/08/2017						
-HVPE Universal Workshop for B.Tech. ME 3 rd Sem. : 10-12/08/2017						
-Celebrations for Independence Day /Holiday for Janamashtami : 15/08/2017						
-ST-1 (After 27 Teaching Days) : 28-30/08/2017						
Total Teaching Days : 18 days / Exam days : 3 days						
SEPTEMBER						
S	M	T	W	Th	F	Sa
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
-Holiday for Eid-UI-Azha (Subject to visibility of moon) : 02/09/2017						
-SAE Student Convention : 08/09/2017						
-Holidays for Dussehra : 29 -30/09/2017						
Total Teaching Days : 20 days / Exam days : Nil						
OCTOBER						
S	M	T	W	Th	F	Sa
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				
-Holiday for Muharram (Subject to visibility of Moon) : 01/10/2017						
-Holiday for Gandhi Jayanti : 02/10/2017						
-ST-2 (After 27 Teaching Days) : 11-13/10/2017						
-Holidays for Diwali, Goverdhan Puja, Bhai Dooj etc. : 16 -21/10/2017						
Total Teaching Days : 10 days / Exam days : 3 days						

Reg./ Classes Commencement
 Teaching Days
 Exams
 Genero/Convention
 Saturday/Sunday
 Holidays

NOVEMBER						
S	M	T	W	Th	F	Sa
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		
Total Teaching Days : 13 days / Exam days : PUE = 10						
DECEMBER						
S	M	T	W	Th	F	Sa
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

-Genero Celebrations : 01-03/11/2017

-Holiday for Guru Nanak Birth Day : 04/11/2017

-PUE (After 17 Teaching Days) : 20-30/11/2017

-ABES ACM Chapter Annual Event 2017 : 23 - 25/11/2017

- **Total Academic days** : 90 Days
- ST-1 & ST-2 will be of 1.5 hours duration. Syllabus for ST-1 will consist of First Two Units (**40% of Syllabus**). ST-2 includes Next Two Units (**40% of Syllabus**). The PUE will be of three hour duration and will include full Syllabus (100%). Weight age of STs & PUE will be considered as per the given formula:-

Name of Exam →	Sessional Test - 1		Sessional Test - 2		Pre University Exam	
	MM: 30	MM: 20	MM: 30	MM: 20	MM: 100	MM: 70
Weightage – MM scaled to	7.5	5	7.5	5	15	10
Percentage of marks	25%		25%		50%	

- Students are required to attend 100% classes. However, as per University rules students with less than 75% attendance will not be permitted to appear in any Test/Exam (Internal and External)
- Every 1st & 3rd Saturday of the month will be observed as an Off Day for all teaching & non-teaching staff, during the semester. As per the requirement, that day can be declared working day through proper notification on account of University examination or any other scheduled activity. However, faculty members and students can plan/conduct any program for that day.
- College timings for both shifts combined will be observed from 08:30AM to 04:30PM; in case the 1st & 2nd shifts are split, timings will be intimated later.

This is for information and necessary action by all concerned.

Nitika Jain
Registrar

ABES Engineering College, Ghaziabad

Registrar Office

Ref.: ABES/RO-K/045/2017-18

Date: 31.12.2017

Academic Calendar for Even Semester (Session: 2017-18)

Academic Calendar for the Even semester of academic session 2017-18 is as given below. This is for information and necessary action by all concerned.

JANUARY							January 2018
S	M	T	W	Th	F	Sa	
	1	2	3	4	5	6	-FDP - Data Science and Big Data Analytics (CS Deptt.) 08 -12/01/18
7	8	9	10	11	12	13	-Commencement of classes (All Courses) 15/01/18 -Induction Program for B.Tech 2 nd Sem 15-21/01/18
14	15	16	17	18	19	20	-Tech. based Entrepreneurship Dev. Program (EN Deptt.) 17/01-27/02/18 -UHVPE Workshop for B.Tech. CE 4 th Sem. 18-20/01/18
21	22	23	24	25	26	27	-FDP- Modelling & Simulation using MATLAB (ME Deptt.) 22-26/01/18 -Workshop -"How to choose Specialization" (MBA Deptt.) 23/01/2018
28	29	30	31				-AKTU sponsored Sports Events (Zonal Level) 23-25/01/18 -Campus to Corporate"-Panel of Industry Experts (MBA Deptt.) 24/01/2018 -Celebration of Republic Day 26/01/2018
FEBRUARY							February 2018
S	M	T	W	Th	F	Sa	
				1	2	3	-UHVPE Workshop for B.Tech. IT 4 th Sem. 01-03/02/18 -AKTU sponsored Sports Events(State Level) 05-07/02/18
4	5	6	7	8	9	10	-"Lakshya"- Sports Fest (MBA Deptt.) 08-09/02/18 -UHVPE Workshop for B.Tech. CSE 4 th Sem. 08-10/02/18 -CICT 2018 4 th IEEE Intl. Conference (CS Deptt.) 09-10/02/18
11	12	13	14	15	16	17	-Holiday for Maha-Shivratri 14/02/18 -Workshop - PCB design (ECE Deptt.) 15-16/02/18 -Student Seminar (MBA Deptt.) 16/02/18
18	19	20	21	22	23	24	-13 th Degree & Award Distribution Ceremony-ABESEC 17/02/18 -FDP- Embedded Systems (ECE Deptt.) 19-23/02/18 -ST-1 19- 21/02/18
25	26	27	28				-AKTU Art & Cultural fest (Zonal Level) 22- 24/02/18 -FDP- Advanced Manufacturing Process (ME Deptt.) 24 - 28/02/18 -Holidays for Holi 26/2 - 02/3/18
MARCH							March 2018
S	M	T	W	Th	F	Sa	
				1	2	3	-"Tejas" (MBA Deptt.) 09-10/03/18 -FDP by ACM India/AKTU FDP (IT Deptt.) 12-16/03/18
4	5	6	7	8	9	10	-AKTU sponsored Art & Cultural fest (State Level) 12-13/03/18 -AKTU sponsored Literary & Mgmt. Fest (Zonal Level) 22-24/03/18 -Intl. Conference - Advancements of Business & Engineering for Sustainability (ME Deptt.) 27-28/03/18
11	12	13	14	15	16	17	- ST-2 27-29/03/18
18	19	20	21	22	23	24	-Holiday for Ram Navmi 25/03/18 -Holiday for Good Friday 30/03/18
25	26	27	28	29	30	31	
APRIL							April 2018
S	M	T	W	Th	F	Sa	
1	2	3	4	5	6	7	-Workshop- IOT (ECE Deptt.) 05-06/04/18 -AKTU sponsored Literary & Mgmt. Fest (State Level) 09-10/04/18 - Recent Trends in Communication Systems (ECE Deptt.) 13/04/18

8	9	10	11	12	13	14	-Workshop -Antenna Design & Link Budget (ECE Deptt.) -PUE -Holiday for Buddha Purnima	19-20/04/18 23/04-02/05/18 30/04/18
15	16	17	18	19	20	21		
22	23	24	25	26	27	28		
29	30							

Class Commencement
 Exams
 Convocation
 Holidays
 Saturday / Sunday

MAY							May 2018	
S	M	T	W	Th	F	Sa		
		1	2	3	4	5	-AKTU Even Sem Theory Exam -AKTU Even Sem Practical Exam	07 - 25/05/18* 26 - 31/05/18*
6	7	8	9	10	11	12		
13	14	15	16	17	18	19		
20	21	22	23	24	25	26		
27	28	29	30	31			* As per AKTU Academic Calendar Session (2017-18)	
JUNE							June 2018	
S	M	T	W	Th	F	Sa		
					1	2	-FDP -“Case Writing & Pedagogy” (MBA Deptt.) -Holiday for Eid-ul-Fitar -FDP- “Digital Marketing” (MBA Deptt.) -FDP- “Research Methodology” (MBA Deptt.)	05-10/06/18 15/06/18 25- 30/06/18 26-30/06/18
3	4	5	6	7	8	9		
10	11	12	13	14	15	16		
17	18	19	20	21	22	23		
24	25	26	27	28	29	30		

- **Total Academic Semester** : 15 to 18 Weeks
- ST-1 & ST-2 will be of 1.5 hours duration. Syllabus for ST-1 will consist of First Two Units (**40% of Syllabus**).ST-2 includes Next Two Units (**40% of Syllabus**). The PUE will be of three hour duration and will include full Syllabus (100%). Weight age of STs & PUE will be considered as per the given formula:-

Name of Exam □	Sessional Test - 1		Sessional Test - 2		Pre University Exam	
	MM: 30	MM: 20	MM: 30	MM: 20	MM: 100	MM: 70
Weightage – MM scaled to	7.5	5	7.5	5	15	10
Percentage of marks	25%		25%		50%	

- Students are required to attend 100% classes. However, as per University rules students with less than 75% attendance will not be permitted to appear in any Test/Exam (Internal and External)
- Every 1st & 3rd Saturday of the month will be observed as an Off Day for all teaching & non-teaching staff, during the semester. As per the requirement, that day can be declared working day through proper notification on account of University examination or any other scheduled activity. However, faculty members and students can plan/conduct any program for that day.

- College timings for both shifts combined will be observed from 08:30AM to 04:30PM; in case the 1st& 2nd shifts are split, timings will be intimated later.

Nitika Jain
Registrar

- Copy to:
1. Chairman office/Directorate office for information please.
 2. All HODS's for their information and necessary action please.
 3. Head of CBSE, CCPD, CTEL, CARE – for information please.
 4. Dean Admin, Library, HR, Accounts, In-Charge Hostel Affairs, Chief Wardens (Boys & Girls Hostel), Computer Administration, Reception- For Information
 5. All Notice Boards including Hostels (Boys & Girls).
 6. Dr. Neerja Jindal, with a request to direct the concern to upload the Soft copy of the Academic Calendar on college website.
 7. All Faculty & Staff (Soft copy only)

 Class Commencement  Exams  Convocation  Holidays  Saturday / Sunday

Note: The analysis is for ECE Department. Similar analysis is done by the other departments of ABES Engineering College, Ghaziabad

Feedback Form No. 1

ABES Engineering College Ghaziabad

Department of Electronics and Communication

Student Feedback about Faculty (2017-18)

This feedback is collected from the students about their subject teacher. The teacher is evaluated by the students on various attributes as per following format.

(1 – Poor, 2 - Average, 3 – Good, 4 – Very Good, 5 – Excellent)

S.NO.	ATTRIBUTES	1	2	3	4	5
1	Teacher's Preparedness for the class					
2	Coverage of Syllabus & proper weightage to different topics as per lecture plan till date					
3	Quality of Assignments					
4	Ability to explain the topic					
5	Use of Teaching aids such as OHP/LCD/Video Clips					
6	Enthusiasm towards Teaching & Overall Development of the Students					
7	Encouraging Students' Participation	0 to 1 scale				
8	Availability after the Class	0 to 1 scale				
9	Does the teacher discuss the application aspects of the topics	0 to 1 scale				
10	Does the teacher give enough examples to make the topic interesting & understandable	0 to 1 scale				
11	Major delivery content of faculty in class	HINDI	ENGLISH	MIX		
12	Voice audibility, whether teacher solves the problems/ queries	0 to 1 scale				
OVERALL SCORE						

For the 34 faculty of the ECE department, the analysis is as follows:

Range of overall score (Scale 0-5)	No. of faculty in the range(Total faculty=34)
0-3	2
3.10-3.25	1
3.26-3.50	1
3.51-3.75	2
3.76-4.00	5
4.01-5.00	23

Action taken: The feedback was discussed by the HOD with the concerned faculty individually. Faculty was advised to take necessary action for improvement in the delivery of the course where ever necessary. Faculty's previous feedback was also reviewed to ascertain the improvement.

ABES Engineering College, Ghaziabad

Department of Electronic and Communications

Course Exit Survey-Analysis 2017-18

For each item, feedback given by the students, the Course is graded in five levels- 5 is the Best (strongly agree with the parameter) and 1 is the worst (Strongly disagree with the parameter) in the criteria.

The analysis is done for 12 ECE courses and details are available with the department and the action has been taken as per the feedback given by the students. Following is the overall summary of the ECE courses.

SI	Criteria	Average Score (Scale 0-5)
1	The teacher was available and accessible in the Department.	4.21
2	The evaluation process was fair and unbiased.	4.19
3	Regular and timely feedback was given on our performance.	4.12
4	Periodical assessments were conducted as per schedule.	4.17
5	I have learnt and understood the course objectives and outcomes of this course.	4.10
6	Course Outcome 1(COURSE & Department specific)	4.22
7	Course Outcome 2(COURSE & Department specific)	4.17
8	Course Outcome 3(COURSE & Department specific)	4.14
9	Course Outcome 4(COURSE & Department specific)	4.09
10	Course Outcome 5(COURSE & Department specific)	4.16

Note: Appropriate action is taken by the faculty based on above analysis.

ABES Engineering College, Ghaziabad

Department of Electronics & Communication Engineering

GRADUATE EXIT SURVEY (2017-18)

This feedback is collected from the graduating students. The students are requested to record their responses on a scale of (0-5), 5 being the best and zero the worst.

S.No.	Statement	Average score (0-5 scale)
1	I have gained Knowledge of mathematics, physics and general engineering.	3
2	I have learned, to design and conduct experiments, as well as, to analyze and interpret data.	2.986
3	I am able to design a system, component, or process in my field.	2.93
4	I have learned to work/function effectively in teams.	2.93
5	I have learned to identify, formulate & develop innovative and creative solution to engineering problem	3.202
6	I have understood professional and ethical responsibilities as an engineer."(e.g. safety, professional ethics, code of conduct)	3.531
7	I have learned to communicate effectively (written reports & Oral Presentation)	3.076
8	I have gained an awareness of the impact of engineering activities in the Societal and global context.	3.349
9	I am aware of the need for, and improved my ability to engage in life long learning. (seeking further education, self learning, membership in professional societies)	3.461
10	I am aware of contemporary issues related to engineering.(e.g. economics of engineering, environmental issues etc...)	3.363
11	I have gained the ability to use computing technology in engineering (analysis / design).	3.846
12	I have gained the ability to use state-of-the-art techniques & modern tools in engineering practices.	3.3
13	I have gained the ability to be employed in Industry as well as possess entrepreneurial skills.	3.461
14	I have developed the capabilities of project management skills."(e.g. planning, implementation & monitoring including financial control)	3.566
15	I am well prepared to pursue higher education.	3.636
16	My minor/major projects and various trainings were a valuable part of my educational	4.02
17	Laboratory and computing facilities at ABES EC were satisfactory	3.321
18	In general, faculty members at ABES EC were accessible, helpful and knowledgeable in their subject area.	3.783
19	Lab Instructors and other staff members were helpful and supportive for Laboratory and Project work	3.951
20	Classrooms, Departmental library and training labs (CoE) were well equipped and maintained satisfactorily.	3.615

Note: Appropriate action is taken by the faculty based on above analysis.

ABES ENGINEERING COLLEGE, GHAZIABAD
Department of Electronics & Communication Engineering
Student Feedback on facilities (2017-18)

This feedback is collected from the students on various facilities. Students are advised to rate the facility on a scale (0-5), 5 being the best and zero the worst.

S.no	Statement	Average score (0-5 scale)
1	Sufficient books/reading materials were available in the library.	4.05
2	Departmental Library/ Reading room was available.	4.08
3	Available reading space in library was satisfactory.	4.04
4	The library staff was cooperative and helpful.	3.95
5	Photocopying facility in the Library/Department was available and satisfactory.	3.53
6	Internet facilities were available in the campus.	3.98
7	Online educational resources were available and accessible.	3.83
8	The office/lab staff in the department was helpful.	3.89
9	Results and attendance records were displayed on time.	4.09
10	Toilets/washrooms were hygienic and properly maintained.	3.99
11	Clean drinking water was available in the campus.	3.86
12	Grievances/problems were redressed/solved well in time.	3.79
13	The functioning of placement cell in the college was satisfactory.	3.71
14	Equipment in the lab, Centre of Excellences were latest & in working condition	3.96
15	The campus is green and eco friendly.	4.05
16	The buildings/classrooms were accessible to differently abled persons.	4.06
17	The classrooms were clean and well maintained.	4.26
18	The campus has adequate power supply.	4.14
19	Sports facilities were available in the campus	3.80
20	Medical Aids were available in the campus.	3.95

Note: Action is taken by the concerned departments/Units based on above analysis where ever required.

ABES Engineering College, Ghaziabad

Corporate feedback (2017-18)

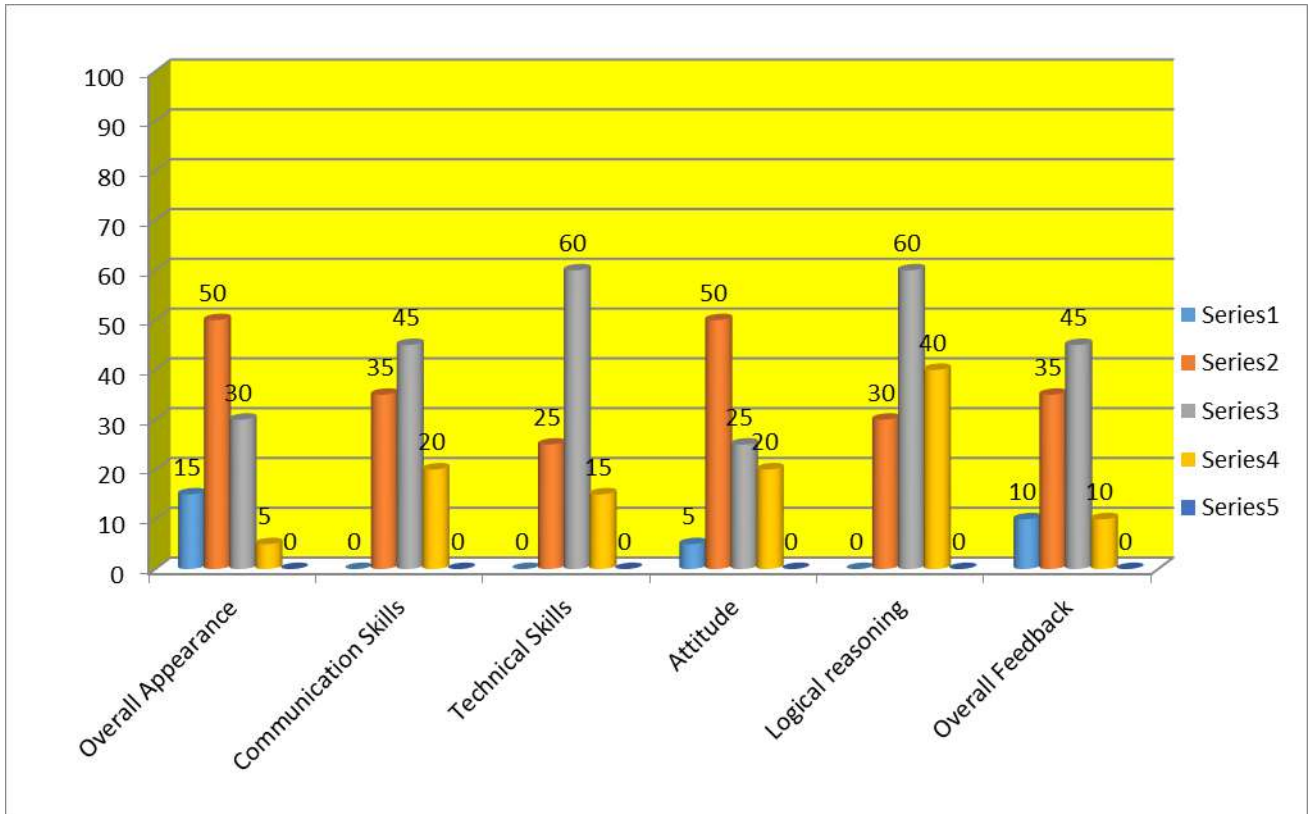
The feedback is collected after placement drive by the Placement team

For each item, feedback given by the employer is graded in five levels - 5 is the Best (Exceptional) and 1 is the worst (Unsatisfactory) in the parameter.

Sl	Parameter	5	4	3	2	1
1	Overall Appearance	15*	50	30	5	
2	Communication Skills		35	45	20	
3	Technical Skills		25	60	15	
4	Attitude	5	50	25	20	
5	Logical reasoning		30	60	40	
6	Overall Feedback	10	35	45	10	

*Percentage of parents giving the best score 5 in the parameter-Overall appearance.

Other numbers have similar interpretation



Action Taken Report by the CCPD Cell

- CCPD has already given the above feedbacks to CBSE (training) team.
- The technical feedback is given to the respective academic departments.
- Students were counselled individually in special cases.

Company specific training were provided to final year

ABES Engineering College, Ghaziabad**Department of Electronics & Communication Engineering****Parents' Feedback] Session: 2017-18**

The parents are requested to give their responses to the following queries in Yes/No. For the purpose of analysis a Yes responses is marked as 1 and a No response as zero. The average response is determined on a scale 0-1 as shown below.

S.No.	Statement	Marks (Scale 0-1)
1	Do you find this institution better than other institutes of similar level for your ward?	0.807
2	Do you feel the facilities provided by the college were adequate?	0.784
3	Do you feel that your ward was physically secure in the campus?	0.936
4	Do you feel that the hostel facilities were satisfactory? (if taken)	0.564
5	Are you satisfied with the cooperation from the administrative staff?	0.807
6	Could you make direct communication with teaching staff?	0.846
7	Do you find any up-gradation of hard and soft skills in your ward?	0.868

Note: Action is taken by the concerned units /Departments based on above analysis

ABES ENGINEERING COLLEGE, GHAZIABAD
Department of Electronics & Communication Engineering

FACULTY FEEDBACK Analysis

2017-18

For each item, feedback given the faculty is graded in five levels- 5 is the Best (strongly agree with the parameter) and 1 is the worst (Strongly disagree with the parameter) in the criteria.

Sl	Criteria	5	4	3	2	1
1	Curriculum design (5 parameters)	32*	52	8	7	1
2	Teaching, Learning, Evaluation and Research (21 parameters)	60	36	4	--	--
3	Infrastructure and Facilities (14 parameters)	61	31	5	3	--
4	Governance (7 parameters)	54	45	1	--	--

*Percentage of faculty giving best score 5 in Curriculum criteria.

Other numbers have similar interpretation.

Note: Action is taken by the concerned Departments/Units based on this analysis.

ABES Engineering College
Alumni Feedback (2017-18)

1. **Alumni** were requested to give their response to queries on various aspects. In three aspects namely **about the college, about their department & faculty and about the training and placement cell**, the response to queries were in Yes/No indicating their satisfaction or otherwise OR agreement or disagreement. The summary of the responses is to be tabulated as below:

Sl	Query from the Alumni on various aspect on following aspects-	Responses YES (% of Alumni)-On the basis of minimum 100 responses
1	FEEDBACK ABOUT COLLEGE(3 items)	86
2	FEEDBACK ABOUT DEPARTMENT & FACULTY(4 items)	83
3	FEEDBACK ABOUT TRAINING & PLACEMENT CELL(4 items)	86

FEEDBACK ABOUT COLLEGE



■ Responses YES (% of Alumni)-On the basis of minimum 100 responses
 ■ Responses NO (% of Alumni)-On the basis of minimum 100 responses

FEEDBACK ABOUT TRAINING & PLACEMENT CELL



■ Responses YES (% of Alumni)-On the basis of minimum 100 responses
 ■ Responses NO (% of Alumni)-On the basis of minimum 100 responses

FEEDBACK ABOUT TRAINING & PLACEMENT CELL



■ (% of YES Alumni)-On the basis of minimum 100 responses
 ■ (% of NO Alumni)-On the basis of minimum 100 responses

2. Feedback about infrastructure

For each item, level of satisfaction of students-

A: Highly efficient

B: Efficient

C Satisfactory

D: Below Satisfaction

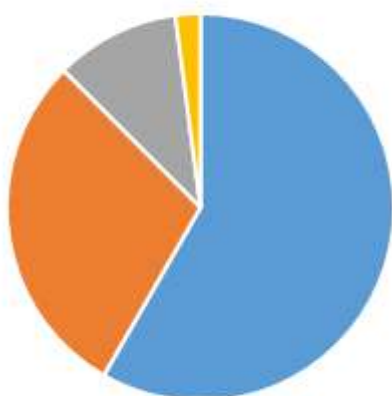
Item	N1	N2	N3	N4
Laboratories and equipment	56*	28	10	2
Library	60	28	6	4

Computer facilities	54	34	8	2
Internet & Wi-Fi	50	26	18	4
R & D Projects	42	28	22	6

*% of alumni awarding A

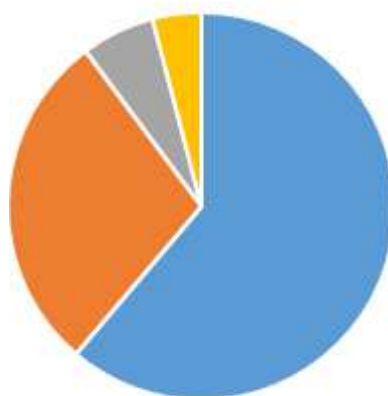
Other numbers have similar interpretation

Laboratories and equipment



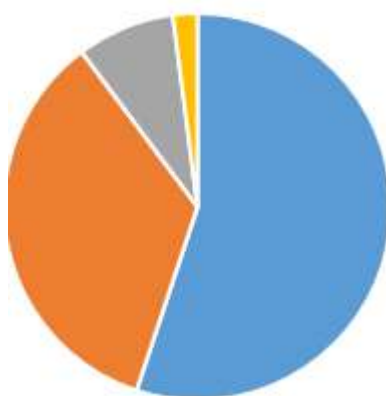
■ N1 ■ N2 ■ N3 ■ N4

Library



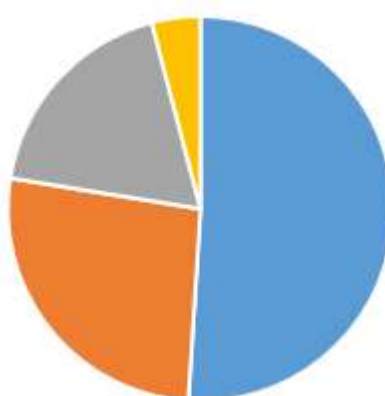
■ N1 ■ N2 ■ N3 ■ N4

Computer Facilities



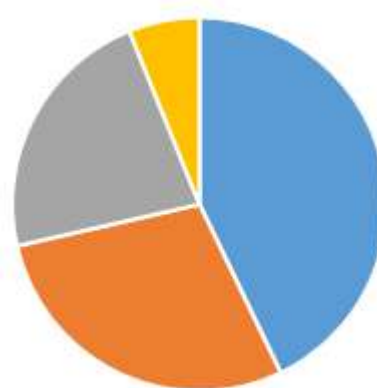
■ N1 ■ N2 ■ N3 ■ N4

Internet & Wi-Fi



■ N1 ■ N2 ■ N3 ■ N4

R & D Projects



■ N1 ■ N2 ■ N3 ■ N4

3. Descriptive responses in the following items

- i. **Have you made any significant achievement as?**
 - a) A student of ABESEC. If yes, please share details
 - won competition in Genero
 - Achieved II Rank in across Globe in N UAV competition
 - won 1st prize in play held on Engineers' day 2015.
 - 4times blood donor in the campus held in college
 - 1st position in locating concrete, cademia quiz
 - CLUB HEAD, REGISTRATION HEAD
 - PERFORMING FINAL TIME ON STAGE
 - b) As an employee of your organization.
- ii. **Most Memorable Moment in the college.**
 - don't want to reveal its private
 - NIGHTS AT LABS
 - CSE FACULTY IS GOOD, BUT BEING A COMPUTER FOCUS BRACH NEW TECHNOLOGIES SHOULD BE INTRODUCED AT COLLEGE LEVEL
 - OUR FAREWELL GOT CANCELLED IN MID . Faculty members are good and helpful
 - LAST DAY OF MY COLLEGE
 - HOSTEL LIFE
 - GENERO DAY & ECE FAREWELL
 - FRIENDLY AND SUPPORTIVE FACULTY
 - WHEN I PURSUE MCA FROM THIS COLLEGE
- iii. Your suggestions for improvements
 - a) At Department level
 - PORTAL FOR ALUMNI TO PROMOTE BETTER INFORMATION SHARING
 - INCREASE STUDENT TEACHER INTERACTION
 - ENCOUGAREMENT TO ALL SOUGHT OF EXTRA TALENT
 - to have more transparency
 - INTER DEPARTMENT LEVEL SHARING OF KNOWLEDGE BETWEEN STUDENT OF DIFFERENT YEARS.
 - HOD sir is quiet strict some more amount of quality education must be delivered
 - more technical visits and practical approach towards studies
 - BRE PRACTICAL THEN THEORITICAL , REST OUR DEPT. HAS IMPROVED A LOT
 - ALL GOOD AND OF INTERNATIONAL STANDARDS. SO NO IMPROVEMNET .
 - NEED MORE ADMINISTRATION AT REGISTRAR OFFICE
 - SHOULD DO MORE EXTRA CURRICULAR ACTIVITIES
 - b) At College level
 - get few faculty members good at core performing perfect
 - STRUCTURE IS NOT ORGANISE USUALLY EVEN FACULTY DON'T FIND HIGHER AUTHORITY DECISION USEFUL
 - to encourage for extracurricular

- Registrar mam Ms. Nitika Jain is not cooperative with the students. College use to impose heavy files on late submission of fees.
- MAKE PROMOTION TO INCREASE THE BRAND VALUE
- SHOULD INTEGRATE DIGITAL EDUCATION AS WELL. START SOME SKILL BASED PROGRAMMES WHICH SHOULD BE AVAILABLE ONLINE. NEXT GENERATION IS OF ONLINE EDUCATION.
- AT COLLEGE LEVEL GOT MORE OPPORTUNITIES TO ATTEND TECHNICAL SEMINAR

Action Taken Report

As per the feedback collection from our alumni. It has been observed that some of alumni shared their experience about college level, department level & placement level. The summary of their views will be shared to the college authorities, respective department & to CCPD department for consideration and further improvement for current students.

Best Practice-I

1. Title of the Practice

Organizing technical staff development program to enhance the skills & competencies of staff members.

2. Objectives of the Practice:

The objective of this practice is to enhance the competence level and skills of the technical staff members. Considering the need of the hour to have software awareness and hands on on latest technologies in the field, the program is launched at least once in a year. It is our belief that by development of technical staff members, the students will be the ultimate beneficiary.

3. The Context:

The technology has been changing at a fast pace and to keep abreast with this change, trainings /workshops are necessary at every level. Since lab technicians are generally the diploma holders and at diploma level, the studies are not that advanced as required at degree level. A need to update the knowledge and skill levels of technical staff members was felt for better delivery and conduction of the labs. New Software's are being develop and used at various levels, the expertise of which now become a necessity at the level of staff members. There by seeing the importance, training is also required to improve the analytical skills of the Lab staff. For introducing any course on new technology, experimental setups are upgraded time to time for which the staff members also need to enhance their skills in order to efficiently support the students in Lab work.

4. The Practice

- Department regularly organizes this practice for staff members, who are the key asset in driving course labs. The staff development program is intended to be organized for internal as well as for staff members from other institutes.
- First step for organizing this program is to identify the gaps for which training is required then title of the training is finalized. The resource persons are contacted to deliver the course and with their help, the course module is developed. Once course module is finalized, the entries are called and the program is delivered for 18-30hrs.

- For the course delivery, a manual is prepared which is given to all the participants. The manual includes all the basic theory about the course, solved examples and exercise for practice.
- On last day of the course, all the assessment is done on the basis of quiz/exercise given to the participants.
- A feedback is also taken by all the participants for better delivery and planning of the forth coming programs.

5. Evidence of Success

An analysis on the feedback collected through these programs, suggests that the lab staff members are highly excited for such events. The programs conducted so far, has impacted in a way to improve the competence level of the participants in software's like MATLAB, LabVIEW & ETAP etc. The student's feedback towards conduction of lab has also improved over the last two years.

6. Problems Encountered and Resources Required

The main problem encountered during the program is the no. of participants of lab staff from the other institutes were few in numbers. So there is a need to develop the awareness about the benefits of such program outside the institute in future.

To continue such type of activities in future, a separate budget should be allocated for the conduction of such programs.

Technical staffs of all the benefiting departments should be relieved from their departmental duties to attend & get the benefits from the training.

Best Practice-II

1. Title of the Practice: Academic Support to the slow learners

2. Objectives of the Practice:

Remedial Classes & Re-Tests are planned and conducted for slow learners. It is conducted to categorically pay attention to the academically needy students in every subject. We need to send students to the subsequent year with “no carry over” papers so that students will be eligible for placement drives.

We also conduct such classes & re-tests to increase the pass % and increase the average marks in the subjects.

We also work on to fulfil the attendance criteria of university.

3. The Context: To cater to the needs of the academically needy students, who are slow learners, remedial classes are conducted.

To improve the writing skills of slow learners, to improve the results, remedial classes and re-tests are organized.

4. The Practice: It is an initiative of the department to take care of slow learners and to help and guide them individually. The aim in this regard is to keep a check on individual performance so that they can perform well in the examination with zero carry over in difficult subject. Faculty members teaching to these students are highly alert towards that students.

a. Teaching preparation

Before preparing for their lessons, remedial teachers should identify students' diverse learning needs as soon as possible so that they may design appropriate teaching plans to facilitate students' effective learning.

b. Design meaningful learning situations

The teachers who are taking Remedial classes should specifically design meaningful learning situations, language environments, Extra circular activities so as to provide personal learning experiences for students and stimulate their interest and initiative in learning.

c. Teaching approaches

Teachers may teach new concepts from different perspectives by various approaches so that students can grasp the ideas through meaningful and repeated illustrations. Teachers should encourage students' active participation by more frequent use of teaching aids, test and presentations. Repeated tests are conducted. Previous years questions are solved.

5. Evidence of Success:

- a. Semester result with respect to previous years: The improvement is found in both pass percentage as well as average marks
- b. Remedial Classes Attendance Sheet & Handouts of Faculty members
- c. Re-Test Results

ABES ENGINEERING COLLEGE, GHAZIABAD (College Code : 032)

RESULT ANALYSIS (Odd Semester)

B.TECH Batch 2016-20 (3 Semester Result)-(Without EX)

SESSION 2017-18

Result Declaration Date : 21.02.2018

Branch	No. of Students Registered	Detaind/Left	No. of Students Appeared	Result Not Declared	Result Declared	CP (0)	CP (1)	CP (2)	CP (3)	CP (4)	CP (5)	CP (6) & More	INC	UID
A	B	C	D=(B-C)	E	F=(D-E)	G	H	I	J	K	L	M	N	O
CE	130	0	130	2	128	102	12	6	5	1	1	1	0	2
%		0.00	100.00	1.54	98.46	79.69	9.38	4.69	3.91	0.78	0.78	0.78	0.00	1.54
CSE	265	1	264	0	264	247	11	6	0	0	0	0	0	0
%		0.38	99.62	0.00	100.00	93.56	4.17	2.27	0.00	0.00	0.00	0.00	0.00	0.00
IT	126	0	126	0	126	101	18	5	2	0	0	0	0	0
%		0.00	100.00	0.00	100.00	80.16	14.29	3.97	1.59	0.00	0.00	0.00	0.00	0.00
EN	98	0	98	1	97	86	7	3	1	0	0	0	0	1
%		0.00	100.00	1.02	98.98	88.66	7.22	3.09	1.03	0.00	0.00	0.00	0.00	1.02
ECE	232	1	231	1	230	192	29	6	2	0	1	0	0	1
%		0.43	99.57	0.43	99.57	83.48	12.61	2.61	0.87	0.00	0.43	0.00	0.00	0.43
ME	172	0	172	0	172	151	16	2	1	1	0	1	0	0
%		0.00	100.00	0.00	100.00	87.79	9.30	1.16	0.58	0.58	0.00	0.58	0.00	0.00
Over all	1023	2	1021	4	1017	879	93	28	11	2	2	2	0	4
%		0.20	99.80	0.39	99.61	86.43	9.14	2.75	1.08	0.20	0.20	0.20	0.00	0.39
% Formula =				E/D*100	F/D*100	G/F*100	H/F*100	I/F*100	J/F*100	K/F*100	L/F*100	M/F*100		

ABES ENGINEERING COLLEGE, GHAZIABAD (College Code : 032)

RESULT ANALYSIS (Even Semester)

B.TECH Batch 2016-20 (4 Semester Result)-(Without EX)

SESSION 2017-18

Result Declaration Date : 13.07.2018

Branch	No. of Students Registered	Detaind/Left	No. of Students Appeared	Result Not Declared	Result Declared	PASS	PCP/PCP-A	FAIL	INC	UID
A	B	C	D=(B-C)	E	F=(D-E)	G	H	I	N	O
CE	130	1	129	4	125	88	37	0	0	4
%		0.77	99.23	3.10	96.90	70.40	29.60	0.00	0.00	3.10
CSE	265	1	264	28	236	214	21	1	0	28
%		0.38	99.62	10.61	89.39	90.68	8.90	0.42	0.00	10.61
IT	126	1	125	0	125	115	9	0	0	0
%		0.79	99.21	0.00	100.00	92.80	7.20	0.00	0.00	0.00
EN	98	0	98	4	94	83	11	0	2	2
%		0.00	100.00	4.08	95.92	88.30	11.70	0.00	2.04	2.04
ECE	232	2	230	22	208	191	17	0	0	22
%		0.86	99.14	9.57	90.43	91.83	8.17	0.00	0.00	9.57
ME	172	0	172	3	169	149	20	0	2	1
%		0.00	100.00	1.74	98.26	88.17	11.83	0.00	1.16	0.58
Over all	1023	5	1018	61	957	841	115	1	4	57
%		0.49	99.51	5.99	94.01	87.88	12.02	0.10	0.39	5.60
% Formula =				E/D*100	F/D*100	G/F*100	H/F*100	I/F*100		

ABES ENGINEERING COLLEGE, GHAZIABAD (College Code : 032)

RESULT ANALYSIS (Odd Semester)

B.TECH Batch 2015-19 (5 Semester Result)-(Without EX)

SESSION 2017-18

Result Declaration Date : 13.02.2018

Branch	No. of Students Registered	Detaind/Left	No. of Students Appeared	Result Not Declared	Result Declared	CP (0)	CP (1)	CP (2)	CP (3)	CP (4)	CP (5)	CP (6) & More	INC	UID
A	B	C	D=(B-C)	E	F=(D-E)	G	H	I	J	K	L	M	N	O
CE	120	0	120	0	120	84	23	8	3	1	0	1	0	0
%				0.00	100.00	70.00	19.17	6.67	2.50	0.83	0.00	0.83		
C&E	252	0	252	0	252	239	12	1	0	0	0	0	0	0
%				0.00	100.00	94.84	4.76	0.40	0.00	0.00	0.00	0.00		
IT	127	0	127	0	127	120	6	1	0	0	0	0	0	0
%				0.00	100.00	94.48	4.72	0.79	0.00	0.00	0.00	0.00		
EN	76	0	76	0	76	63	9	3	0	1	0	0	0	0
%				0.00	100.00	82.89	11.84	3.96	0.00	1.32	0.00	0.00		
ECE	241	1	240	2	238	199	22	8	5	2	1	1	0	2
%				0.83	99.17	83.61	9.24	3.36	2.10	0.84	0.42	0.42		
ME	195	0	195	2	193	158	23	8	2	1	1	0	0	2
%				1.03	98.97	81.87	11.82	4.16	1.04	0.62	0.62	0.00		
Over all	1011	1	1010	4	1006	863	95	29	10	5	2	2	0	4
%				0.40	99.60	86.78	9.44	2.88	0.99	0.60	0.20	0.20		
% Formula =				E/D*100	F/D*100	G/F*100	H/F*100	I/F*100	J/F*100	K/F*100	L/F*100	M/F*100		

ABES ENGINEERING COLLEGE, GHAZIABAD (College Code : 032)

RESULT ANALYSIS (Even Semester)

B.TECH Batch 2015-19 (6 Semester Result)-(Without EX)

SESSION 2017-18

Result Declaration Date : 01.07.2018

Branch	No. of Students Registered	Detaind/Left	No. of Students Appeared	Result Not Declared	Result Declared	CP (0)	CP (1)	CP (2)	CP (3)	CP (4)	CP (5)	CP (6) & More	INC	UID
A	B	C	D=(B-C)	E	F=(D-E)	G	H	I	J	K	L	M	N	O
CE	120	0	120	0	120	110	10	0	0	0	0	0	0	0
%				0.00	100.00	91.67	8.33	0.00	0.00	0.00	0.00	0.00		
C&E	252	0	252	2	250	241	8	1	0	0	0	0	2	0
%				0.79	99.21	96.40	3.20	0.40	0.00	0.00	0.00	0.00		
IT	127	0	127	0	127	120	1	1	0	0	0	0	0	0
%				0.00	100.00	98.43	0.79	0.79	0.00	0.00	0.00	0.00		
EN	76	1	75	3	72	68	4	0	0	0	0	0	3	0
%		Left		4.00	96.00	94.44	5.56	0.00	0.00	0.00	0.00	0.00		
ECE	241	1	240	9	231	221	2	8	0	0	0	0	8	1
%		Detain in Odd		3.75	96.25	95.67	0.87	3.46	0.00	0.00	0.00	0.00		
ME	195	0	195	2	193	177	12	3	0	0	1	0	2	0
%				1.03	98.97	91.71	6.22	1.55	0.00	0.00	0.52	0.00		
Over all	1011	2	1009	16	993	942	37	13	0	0	1	0	15	1
%				1.59	98.41	94.66	3.73	1.31	0.00	0.00	0.10	0.00		
% Formula =				E/D*100	F/D*100	G/F*100	H/F*100	I/F*100	J/F*100	K/F*100	L/F*100	M/F*100		

ABES ENGINEERING COLLEGE, GHAZIABAD (College Code : 032)

RESULT ANALYSIS (Odd Semester)

B.TECH Batch 2014-18 (7 Semester Result)-(Without EX)

SESSION 2017-18

Result Declaration Date : 10.02.2018

Branch	No. of Students Registered	Detained/Left	No. of Students Appeared	Result Not Declared	Result Declared	CP (0)	CP (1)	CP (2)	CP (3)	CP (4)	CP (5)	CP (5) & More	INC	U/D
A	B	C	D=(B-C)	E	F=(D-E)	G	H	I	J	K	L	M	N	O
CE	138	0	138	1	137	125	7	2	1	2	0	0	1	0
%				0.72	99.28	91.24	5.11	1.46	0.73	1.46	0.00	0.00		
CSE	249	0	249	0	249	240	8	0	0	0	1	0	0	0
%				0.00	100.00	96.39	3.21	0.00	0.00	0.00	0.40	0.00		
IT	122	0	122	0	122	121	1	0	0	0	0	0	0	0
%				0.00	100.00	99.18	0.82	0.00	0.00	0.00	0.00	0.00		
EN	114	0	114	0	114	109	3	2	0	0	0	0	0	0
%				0.00	100.00	95.61	2.63	1.75	0.00	0.00	0.00	0.00		
ECE	216	0	216	1	215	201	10	2	1	1	0	0	0	1
%				0.46	99.54	93.49	4.65	0.93	0.47	0.47	0.00	0.00		
ME	193	0	193	2	191	187	2	1	0	1	0	0	0	2
%				1.04	98.96	97.91	1.05	0.52	0.00	0.52	0.00	0.00		
Over all	1032	0	1032	4	1028	983	31	7	2	4	1	0	1	3
%				0.39	99.61	95.25	3.00	0.68	0.19	0.39	0.10	0.00	0.10	0.29
% Formula =				E/D*100	F/D*100	G/F*100	H/F*100	I/F*100	J/F*100	K/F*100	L/F*100	M/F*100		

ABES ENGINEERING COLLEGE, GHAZIABAD (College Code : 032)

RESULT ANALYSIS (Even Semester)

B.TECH Batch 2014-18 (8 Semester Result)-(Without EX)

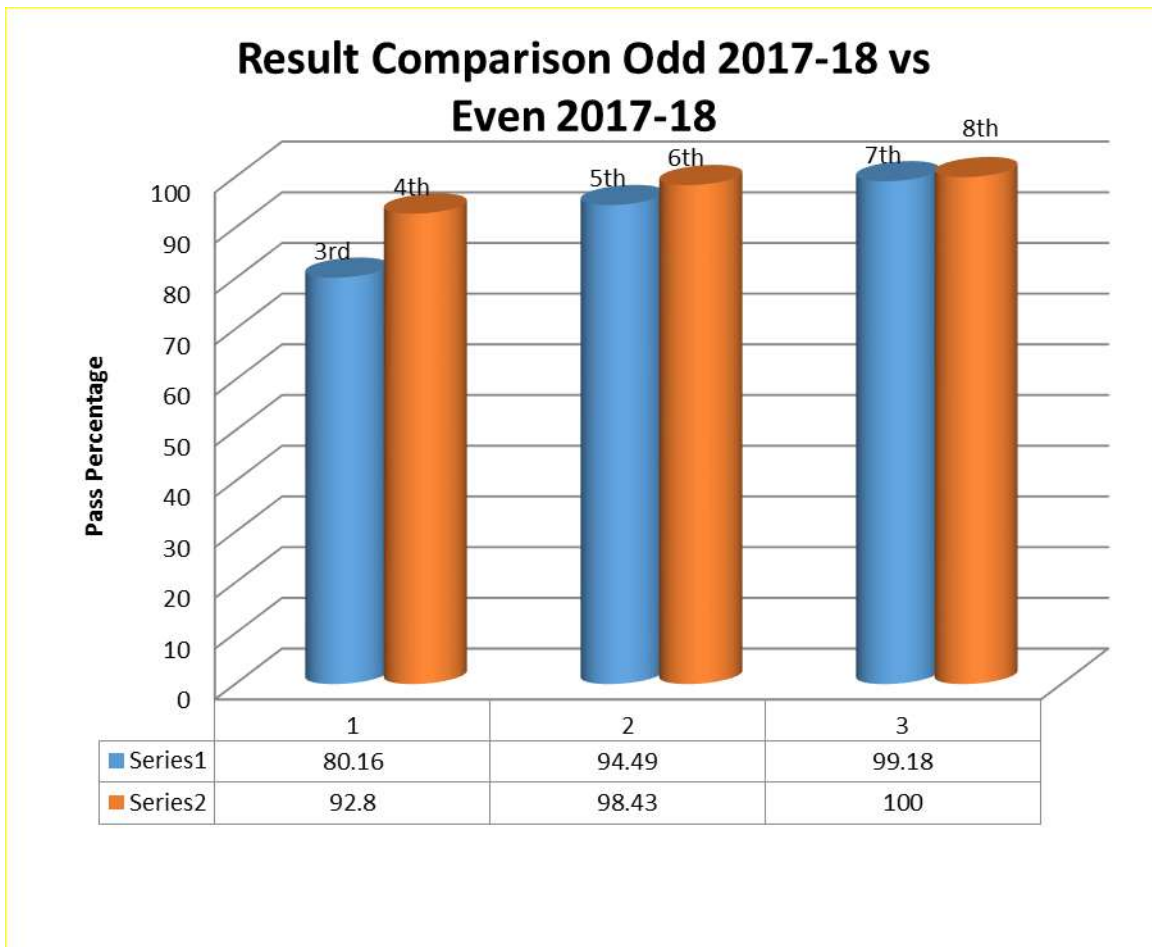
SESSION 2017-18

Result Declaration Date : 23.06.2018

Course	No. of Students Registered	Detained/Left	No. of Students Appeared	Result Not Declared	Result Declared	PASS	PWG	Total PASS	PCPV/PCPA	FAIL	INC	U/D
A	B	C	D=(B-C)	E	F=(D-E)	G	H	I=(G+H)	J	K		
CE	138	0	138	1	137	127	7	134	3	0	0	1
%				0.72	99.28	92.70	5.11	97.81	2.19	0.00	0.00	0.72
CSE	249	0	249	0	249	237	8	245	4	0	0	0
%				0.00	100.00	95.18	3.21	98.39	1.61	0.00	0.00	0.00
IT	122	0	122	0	122	122	0	122	0	0	0	0
%				0.00	100.00	100.00	0.00	100.00	0.00	0.00	0.00	0.00
EN	114	0	114	0	114	109	1	110	4	0	0	0
%				0.00	100.00	95.61	0.88	96.49	3.51	0.00	0.00	0.00
ECE	216	0	216	4	214	200	8	208	6	0	1	3
%				1.83	98.17	93.46	3.74	97.20	2.80	0.00	0.46	1.38
ME	193	0	193	4	189	180	7	187	1	1	4	0
%				2.07	97.93	93.24	3.70	98.94	0.53	0.53	2.07	0.00
Over all	1034	0	1034	9	1025	975	31	1006	18	1	5	4
%				0.87	99.13	95.12	3.02	98.15	1.76	0.10	0.48	0.39
% Formula =				E/D*100	F/D*100	G/F*100	H/F*100	I/F*100	J/F*100	K/F*100		

Consolidated Summary

Sr. No.	ODD Semester	Result%	EVEN Semester	Result%	%hike
1	3 rd	80.16	4 th	92.80	12.64
2	5 th	94.49	6 th	98.43	3.94
3	7 th	99.18	8 th	100	0.82



Problems Encountered and Resources Required: Extra care is taken so that student should not get demotivated.

- a. Extra teaching hours
- b. Infrastructure required in holidays and beyond college hours
- c. To mentor the slow learners