Yearly Status Report - 2019-2020

Part A	
Data of the Institution	
1. Name of the Institution	**I.T.S ENGINEERING COLLEGE**
Name of the head of the Institution	**SANJAY YADAV**
Designation	**Director**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**0120-2331000**
Mobile no.	**9990161722**
Registered Email	**dir.engg@its.edu.in**
Alternate Email	**dean.acada.engg@its.edu.in**
Address	**Plot No. 46, Knowledge Park - III**
City/Town	**GREATER NOIDA**
State/UT	**Uttar pradesh**
Pincode	**201308**

2. Institutional Status

Affiliated / Constituent	**Affiliated**
Type of Institution	**Co-education**
Location	**Urban**
Financial Status	**private**
Name of the IQAC co-ordinator/Director	**Dr. Ashish Gupta**
Phone no/Alternate Phone no.	**01202331000**
Mobile no.	**7906310511**
Registered Email	**iqac_engg@its.edu.in**
Alternate Email	**dean.acada.engg@its.edu.in**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	https://www.itsengg.edu.in/NAAC%20Data/NAAC%202018-19/AQAR%202018-19.pdf

4. Whether Academic Calendar prepared during the year	**Yes**
if yes,whether it is uploaded in the institutional website: Weblink :	https://www.itsengg.edu.in/Academic%20Calender_2019-20_Scan_0001.pdf

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	**B**	**2.65**	**2015**	**14-Sep-2015**	**13-Sep-2020**

6. Date of Establishment of IQAC	**03-Jan-2014**

7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
E- Workshop on MATLAB	**15-May-2020** **1**	**100**

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

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
NewGen IEDC ITS Engineering College	Newgen IEDC	DST	2019 365	600000
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9. Whether composition of IQAC as per latest NAAC guidelines:	Yes
Upload latest notification of formation of IQAC	[View Link](#)
10. Number of IQAC meetings held during the year :	4
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	Yes
Upload the minutes of meeting and action taken report	[View Uploaded File](#)
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	No

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

Development of roadmap, action plan and monitoring mechanism for all the programmes. Monitoring of the teaching, learning and evaluation processes. Conduction of technical conferences/seminars/workshops/guest lectures Promotion of inter institute competitive events to widen the horizon of learning opportunities. Discussion of previously proposed activities and their outcomes.

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

Plan of Action	Achivements/Outcomes
1. To conduct Seminars/Workshops/FDPs/Guest	Conferences, Seminar, Workshops, FDPs, Industrial and Educational Visits

Lecture/Industrial Visits, 2. More number of students shuold get enrolled in NPTEL courses, 3. Up-gradation of existing computers in laboratories with higher configuration and necessary software, 4. Motivating teachers to participate in refresher courses, seminars and workshops., 5. Provision for conduction of more classes on aptitude, soft skills and personality development. 6. Encouraging students to excel in various sports and cultural events internally and externally 7. Provide continuous counselling and guidance to the students to improve the quality of the teaching process. 8. All nonPhD faculty members must start the process of getting registered themselves for PhD program.	conducted by various departments. Helps students in learning new subjects beyond their curriculum. Helps students in learning new technologies. Improved teaching learning process. More than 80 students placed. Represented National Level as well as State Level Mentor ward system implemented along with the academic coordinators improving students performance. Some of the faculty members get themselves registered for Ph. D. programme and some of them successfully defended their final Ph. D. defense.

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14. Whether AQAR was placed before statutory body ?	**Yes**

Name of Statutory Body	Meeting Date
Governing Board	**14-Oct-2019**

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	**No**

16. Whether institutional data submitted to AISHE:	**Yes**

Year of Submission	**2020**

Date of Submission	**19-Jun-2020**

17. Does the Institution have Management Information System ?	**Yes**

If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words)	**The institute wise information exchange among the staff and faculty members, students, academic and nonacademic administration is being accomplished through intranet communication consisting of internal group mail assigned to all the faculty and staff members. Also, various batches of students of each program are being assigned individual as well as group mail id and a common group mail id of all the students of the college.**

Further, some portion of the academic administration such as student's attendance, lesson plan, class time table, faculty individual time table, assignments, internal assessments, Academic Daily Report (ADR) and Academic Weekly Report (AWR) are archived through File Transfer Protocol (FTP) on internet. iCLOUD EMS ERP system powered by Cloud Next Vision Pvt. Ltd. is implemented in the institute to monitor academic daily activities of the students. The ERP is having SMS and email integration and provides following advantages as listed below: • An integrated system that operates in (next to) real time, without relying on periodic updates. • A common database that supports all applications. • A consistent look and feel throughout each module. • Absolute control on Institute processes through 100 automations. • Eenabled to facilitate Information access for Students, Teachers, Management. • 24X7 availability, anytime – anywhere. • Improved Communication among, Students, Teachers, Staff, and Administration. Following modules are currently operational Student Information Management: All the details pertaining to student's qualification and personal information can be readily uploaded along with all the supporting documents at the time of admission. Also, the current academic status can be viewed any time if required. Student Attendance Management System: Daily, weekly and fortnightly attendance of each individual student can be easily managed and monitored through Student AMS. Also, directly SMS can be delivered to student as well his/her parents if he/she is absent on a particular day. Academic Management: Syllabus Integration, Student Grouping, Time Slot Setting, Group wise subject Mapping, Subject wise mapping, Time Table Setup, Faculty wise time table setup, Course Wise Time Table. Student Examination: Subject wise Max marks setting, Faculty permission for marks entry, Examination Schema. Online Dashboard for Students: Unique ID for all students, Notice/ Circular, Academic Calendar, Module/ Subject Details (with sessions/ topic), Module/ Subject wise assignment, Sample

Question, My Attendance, Faculty Feedback. Online Dashboard for Faculty Members/ HOD: Unique ID for all Faculty/HOD, Module Management. Academic Calendar, Upload Subject Details (with session plan), Presentation, Sample Question, Subject wise attendance/Internal Marks uploading. Online Dashboard for Management/Admin (MIS): Student MIS, Student Attendance, Academic Management, Student Examination Alumni: Alumni Registration, Alumni Permission, Alumni Login, Alumni Dashboard, Alumni Data Search, Alumni Profile Group Email Facility. Library Management System: New Book/Item Entry Form, Item Management, Item Binder, Book data verification, Fine Setting, Book Issue/Return, OPAC Search, Library Report like Author Wise, Subject Wise, Overdue Books, Shelf Wise, etc., Catalogue of books with ISBN, Author, Title, Publisher, Number of copies of a particular book, and any other customizable information.

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Planning and Implementation

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

This criterion pertains to the practices of an institution providing curriculum which required lots of efforts for designing catering to the latest job skills market. ITS Engineering College, is an affiliated college to Dr. A.P.J. Abdul Kalam Technical University, Lucknow, approved by AICTE, New Delhi offers B.Tech program in Mechanical; Civil; Computer Science; Electronics & Communication; and Electrical & Electronics; and program in Master of Business Administration. The curriculum is designed by the concerned university AKTU passing ordinance in Board of Studies (BOS) and academic council. The University adopted Choice Based Credit System (CBCS) in 2015, providing opportunity for the students to choose courses from the prescribed courses. The CBCS provided a cafeteria approach in which the students can take courses of their choice, learn at their own pace, undergo additional courses and acquired more than the required credits, and adopt an interdisciplinary approach to learning. In addition to courses syllabus defined by the university, ITS Engineering College tried to find gaps in the skills enhancement through feedback from its stakeholders i.e. students, parents, employers, faculty members from the institute, alumni. The institute motivated students towards opting e-courses i.e. NPTEL, Coursera and established multiple "Centres of Excellence" with industry collaboration to train students on the latest technologies to bridge the gap between industry and academia. These are run and supported by ace companies like National Instruments, Rockwell, Apple IOS Apps Development Centre, Syscom Innovation Development Centre and e -yantra, to name a few. The college has a strong Incubation and Entrepreneurship Development Cell to encourage innovative

thinking and development of entrepreneurship spirit amongst the students which is supported by MSME and Department of Science & Technology- Govt of India. For imparting the courses, effective curriculum delivery is utmost importance. The institute has a well-planned system for the delivery of courses. It start with communicating the annual activities through Academic Calendar to faculty members and students, Time Table, proper attendance record through ERP system implemented by institute recently, Daily class monitoring conduction on Google drive, measuring student performance through result analysis on ST-1, ST-2, PUT and university marks, arranging remedial classes and communicating the attendance status and students performance in the classes on regular basis.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entrepreneurship	Skill Development
The Joy of Computing using Python (NPTEL)	NA	27/01/2020	84	NO	YES
Introduction to Programming in C(NPTEL)	NA	29/07/2019	56	NO	YES
Problem Solving through Programming in C(NPTEL)	NA	27/01/2020	84	NO	YES
Data Base Management System(NPTEL)	NA	27/01/2020	56	NO	YES
Operating System Fundamentals(NPTEL)	NA	27/01/2020	84	NO	YES
Python for Data Science (NPTEL)	NA	27/01/2020	28	NO	YES
Discrete Mathematics (NPTEL)	NA	27/01/2020	84	NO	YES
Op Amp Practical Applications Design Simulation and Implementation(NPTEL)	NA	29/07/2019	84	NO	YES

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction

Nill	NA	Nill

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

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
Nill	NA	Nill

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

	Certificate	Diploma Course
Number of Students	587	0

1.3 – Curriculum Enrichment

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

Value Added Courses	Date of Introduction	Number of Students Enrolled
Virtual automation based online Summer Internship Program	05/05/2020	25
5 Days labview Training Program	20/01/2020	35
Software Testing	01/07/2019	27
Apple iOS	19/08/2019	25
Industrial Automation Control	05/07/2019	21
COE: Basics of Pneumatic Technology	01/08/2019	61
COE: Basics of Electro-Pneumatic Technology	01/01/2020	60
R-System CoE	23/08/2019	27
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BTech	CSE	168
BTech	ECE	50
BTech	EEE	20
BTech	ME	61
BTech	CE	30
MBA	MBA	36
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes

Employers	Yes
Alumni	Yes
Parents	Yes

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

Feedback Obtained

The feedback is collected through the different stakeholders after the completion of each semester as per the policy of the institute department-wise, subject-wise. It has been tried that at- least 75 students fill the form for generalised the results. 100 faculty are covered for filling up the subject completion feed-up. Employers' data is collected with the help of CRC department of the institute and proper data is maintained. Alumni talk is held each year and feed-back regarding the syllabus is collected on the D-Day. Parents' feedback is generally obtained on the parent meeting done on regular-basis. After collection of data the same is analysed with graphs and charts. Shortcomings related to each stakeholder for each question is obtained and then the final report of shortcomings is submitted to Director of the Institute. Director with the discussion of HODs asked to make a plan to remove the shortcomings. These shortcomings are implemented in the next semester considering the resources available and considering the market demands for the skills enhancement.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
MBA	Master of Business Administration	60	52	39
BTech	Computer Science and Engineering	180	316	176
BTech	Mechanical Engineering	120	94	41
BTech	Electronics and Communication Engineering	60	72	47
BTech	Electrical and Electronics Engineering	60	32	15
BTech	Civil Engineering	60	57	25

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2.2 – Catering to Student Diversity

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

Year	Number of students enrolled	Number of students enrolled	Number of fulltime teachers	Number of fulltime teachers	Number of teachers

	in the institution (UG)	in the institution (PG)	available in the institution teaching only UG courses	available in the institution teaching only PG courses	teaching both UG and PG courses
2019	1467	98	92	10	102

2.3 – Teaching - Learning Process

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

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Numberof smart classrooms	E-resources and techniques used
102	102	812	41	1	4

View File of ICT Tools and resources

View File of E-resources and techniques used

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

In ITS Engineering College, there are Mentors who are in charge of class and different student clubs. Every section has a Mentor who is in charge of the students of that Class. The Mentors are provided access to the profile of the students and also to their contact details. Well-trained teachers who know the background of the students are made responsible. Generally, the Mentors provide encouragement, motivation and counselling support. Where the student requires additional help which is beyond the abilities of the Mentor, s/he guides the students to the right person. Mentors help greatly in identifying diversity in terms of learning challenges as well. They provide firsthand support to the students with difficulties and gives relevant inputs to subject teachers to help the subject teachers be more effective in handling these students. The Class Mentor's contact details are shared with the parents/guardians. Similarly, the Mentor has the contact details of the parents/guardian. The Mentors also provide additional support in terms of providing career guidance. When students graduate and seek higher studies, almost always the students approach the Mentors for providing them with references. Many Mentors also encourage students to collaborate with them in projects or in academic writing, especially when students share their academic interests. This, although less common, greatly helps the students in giving them an edge over their competitors elsewhere. Such Mentors also guide these students during their projects and internships. This is of immense benefit to the students involved. Mentors who are in charge of student clubs generally work with students who share common curricular or extracurricular interests. Such Mentors are usually experts in a field and are passionate about the domains of their clubs. Their passion being contagious, students who are part of such clubs greatly thrive and excel in those domains. Mentors are authorized to report any challenge immediately to the HOD/ Director and seek resources required. Mentors also maintain record about student progression. The Mentorship program at College is where many teacher-student bonds for a lifetime gets developed. These mentors play the role of a caring adult and offer themselves as role models. Especially in the context of students who come from broken or conflicted families, the significance of the role played by these teachers, going way beyond what is their routine job as teachers, cannot be overstated.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1565	102	1:15

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
102	102	0	2	26

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

Year of Award	Name of full time teachers	Designation	Name of the award,

	receiving awards from state level, national level, international level		fellowship, received from Government or recognized bodies
Nill	NA	Nill	Nill

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2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BTech	10	4th Year	10/06/2020	11/08/2020
BTech	10	3rd Year	10/06/2020	11/08/2020
BTech	10	2nd Year	10/06/2020	11/08/2020
BTech	10	1st Year	10/06/2020	11/08/2020
BTech	00	4th Year	10/06/2020	11/08/2020
BTech	00	3rd Year	10/06/2020	11/08/2020
BTech	00	2nd Year	10/06/2020	11/08/2020
BTech	00	1st Year	10/06/2020	11/08/2020
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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

The Institute is affiliated to Dr. A.P.J. Abdul Kalam Technical University, Lucknow and follows the Examination pattern of the university. University guidelines are strictly adhered to with respect to evaluation process. There are three Internal tests conducted. The schedules of internal assessments are communicated to students and faculty in the beginning of the semester through institute academic calendar which is prepared based on the university academic calendar. The institute has reformed the continuous internal evaluation system from faculty centric to student centric. The Institute Exam cell framed guidelines for conducting the CIE in line with calendar of the Affiliate University and the Institutions. As per the guidelines, the following reforms have been carried out effectively conducting CIE: Scheduling of Internal Examination, Seating arrangements, hall invigilators listed for every examination. Preparing the question paper for the internal examination in the prescribed pattern based on Knowledge level using revised Bloom's taxonomy. Scrutiny of the prepared question paper is carried out by HoD/ Subject expert to ensure quality of the Question paper. Monitoring the attendance of the students for the Examination. Internal Assessment has to be carried out within the stipulated time. After completion of the internal examination, the faculty evaluate the answer scripts and distribute to the students for doubt clarifications or re-correction. The faculty submits the re-corrected scripts to the examination branch and marks are displayed on the notice board. Result review meetings are conducted with result analysis and the remedial actions for further improvements are arrived after discussion with faculty, HoD and Director. Upload of assessment marks in university web portal and subsequently communicated to parents. For each laboratory sessions, the student is assessed through viva questions, observations. The evaluation for project course is assessed by conducting periodical project reviews covering key parameters like problem formulations, understanding of the project, presentation skills, and

communication of ideas, technical knowledge, team work and project. The project review committee organizes review meetings to assess the progress of all the project batches. Performance of the students in Internal Assessment is used for Faculties to identify slow and advanced learners in their respective subjects. Slow Learners are encouraged to improve their performance in future by counselling. Counselling Sessions are used to sort out the personal issues, academic and non-academic problems.

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

The institute adheres to the Academic Calendar prepared according to the calendar provided by Dr. A.P.J. Abdul Kalam Technical University, Lucknow. Every year we prepare the academic calendar for the institute and also a department wise activity schedule for smooth functioning. It provides plan for the academic year to students, teachers and parents. Considering the academic calendar, each department functions according to the teaching plan prepared at the department level. This ensures that the curriculum is enriched through related activities like gust lecture, extension series and industry interaction. For the academic session academic calendar was prepared and followed for conduct of examination and other activities. The academic calendar is displayed on the institute website and also shares with the head of the departments so as to ensure proper execution. A copy of academic calendar for session 2019-20 is attached (Annexure 1) for reference. Being an institute affiliated to Dr. A.P.J. Abdul Kalam Technical University, Lucknow, we follow the academic schedule provided by the university. The Institute prepares their own academic calendar for various programmes which follow the timelines/guidelines and academic schedule of the affiliating University.

2.6 – Student Performance and Learning Outcomes

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

https://itsengg.edu.in/NAAC%20Data/2019-20/2.6.1_PEO_PO_PSO_CO_2019-20.pdf

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
00	BTech	Civil Engineering	59	53	90
21	BTech	Electrical and Electronics Engineering	21	20	95
31	BTech	Electronics and Communication Engineering	56	54	96
40	BTech	Mechanical Engineering	77	69	90
10	BTech	Computer Science and Engineering	178	171	96

| 70 | MBA | Master of Business Administration | 56 | 40 | 71 |

2.7 – Student Satisfaction Survey

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

https://itsengg.edu.in/naac-agar#Student-Satisfaction-Survey-2019-20

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Resource Mobilization for Research

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

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Major Projects	365	DST	6	6

3.2 – Innovation Ecosystem

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

Title of workshop/seminar	Name of the Dept.	Date
TEDP (Technology based Entrepreneurship Development Program on "Internet of Things	Civil Engineering	26/12/2019

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

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
NIL	NIL	NIL	Nill	NIL

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3.2.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
EDC	IIC	ME, GOI	NA	NA	22/09/2020

3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
00	00	00

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

Name of the Department	Number of PhD's Awarded
NIL	0

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

Type	Department	Number of Publication	Average Impact Factor (if any)
International	ECE	3	Nill
International	CSE	5	Nill
International	ME	6	Nill
International	ASH	1	Nill

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3.3.4 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
ECE	3
MBA	3

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

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Mechanical peculiarity of nano BN filled polyester based homogeneous nanocomposites and their FGMs – A comparative study	Akant Kumar Singh, Sanjay Yadav, Siddhartha	Materials Today: Proceedings	2019	Nill	I.T.S Engineering College	Nill
Transmission efficiency of functionally graded material based HDPE spur gears	Akant Kumar Singh, Siddhartha, Sanjay Yadav, Prashant Kumar Singh	Materials Today: Proceedings	2019	Nill	I.T.S Engineering College	Nill
Development and investigation on transmission efficiency of functionally graded	Akant Kumar Singh and Siddhartha	Journal of Engineering Tribology	2019	Nill	I.T.S Engineering College	Nill

materials based Poly butylene t erephthala te spur gears						
Mechanical and Fracture p eculiarity of polypro pylene- based func tionally graded materials manufactur ed via injection molding	Akant Kumar Singh, Siddhartha and Sanjay Yadav	Internat ional Polymer Processing	2019	Nill	I.T.S En gineering College	Nill
Modified k-string in composi tion vector method for DNA sequence comparison based on maximum entropy principle	KP Singh, Dr Ashish Kumar, Dr Manoj Gupta	Journal of Interdi sciplinary mathematic s	2020	Nill	I.T.S En gineering College	Nill
Chromatic Dispersion Induced Semi Optical Pulse Stretching Approach to Beam Steering A pplication s of Phase Array Antenna	Mr. Chandan Kumar	Wireless Personal C ommunicati ons	2020	Nill	I.T.S En gineering College	Nill
Characte risation E xperimenta l invesiga tion of rh eological behaviour	Mr. Harsh Gupta	Particul ate Sc. Technology	2020	Nill	I.T.S En gineering College	Nill

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
CFD and Thermo-Hydraulic Analysis of Multiple Arc Roughened Absorber Plate with Gaps used in Solar Air-Heaters	Dr. Sanjay Yadav	International Journal of Ambient Energy	2020	Nill	I.T.S Engineering College	Nill
Early On set/Offset Detection of Epileptic Seizure using M-band Wavelet Decomposition	Dr. Garima Chandel	International Journal of Biomedical Engineering and Technology	2020	Nill	I.T.S Engineering College	Nill
A Novel Scheme for Medical Image Compression using Huffman and DCT with Water Marking	Dr. Monika Jain	International Journal of Future Generation Communication and Networking	2020	Nill	I.T.S Engineering College	Nill

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

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Development and investigation on transmission efficiency of functionally graded materials based Poly butylene t	Akant Kumar Singh and Siddhartha	Journal of Engineering Tribology	2019	56	3	I.T.S Engineering College

| erephthalate spur gears | | | | | |

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

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	7	29	0	0
Presented papers	4	2	0	0
Resource persons	9	3	0	0

3.4 – Extension Activities

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

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Rural Innovation Idea Challenge	Unnat Bharat Abhiyan	5	15
Yoga Camp	Unnat Bharat Abhiyan	3	20
Awareness on Water Bodies	Unnat Bharat Abhiyan	5	15
Blood Donation Camp	Rotary Club Ghaziabad	4	360
Tree Plantation	ASH Department	5	5
Survey on Tuberculosis (TB)	Unnat Bharat Abhiyan	5	13

3.4.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
NIL	NIL	NIL	0

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3.4.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites
Survey on Tuberculosis (TB)	Unnat Bharat Abhiyan	Survey on Tuberculosis (TB)	13	5
Tree	ASH	Tree	5	5

Plantation	Department	Plantation		
Blood Donation Camp	Rotary Club Ghaziabad	Blood Donation Camp	360	4
Awareness on Water Bodies	Unnat Bharat Abhiyan	Awareness on Water Bodies	15	5
Yoga Camp	Unnat Bharat Abhiyan	Yoga Camp	20	3
Rural Innovation Idea Challenge	Unnat Bharat Abhiyan	Rural Innovation Idea Challenge	15	5
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3.5 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
NIL	00	NIL	00
No file uploaded.			

3.5.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
NA	NA	NA	Nill	Nill	NA
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3.5.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
Synergy University Moscow	05/05/2020	Research Incubation	5
National University of of Sc and Tech. Moscow	17/08/2020	Research Incubation	5
IESEG School of Management	10/12/2020	Summer Training	10
Jagmag Lights	15/08/2019	Research Incubation	15
Airwaves Projects Pvt Lt.	23/10/2019	Research Incubation	12
Theme Solar Systems	21/12/2019	Research Incubation	13
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CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

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

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
135	114.61

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Nill	Existing
Campus Area	Existing
No file uploaded.	

4.2 – Library as a Learning Resource

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

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
Alice for Windows	Fully	6	2006

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	57524	10430997	3889	208516	61413	10639513
Reference Books	3277	712382	2500	2870	5777	715252
e-Books	305	0	10407	35000	10712	35000
Journals	66	139640	42	92412	108	232052
e-Journals	0	0	4947	35000	4947	35000
Digital Database	0	0	0	0	0	0
CD & Video	2705	0	0	0	2705	0
Library Automation	1	81900	0	0	1	81900
Weeding (hard & soft)	0	0	0	0	0	0
Others(specify)	26	49771	0	0	26	49771

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

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content

NIL	00	NIL	Nill

No file uploaded.

4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/ GBPS)	Others
Existing	680	502	1	80	422	44	120	70	20
Added	0	0	0	0	0	8	0	30	0
Total	680	502	1	80	422	52	120	100	20

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

100 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
0	Nill

4.4 – Maintenance of Campus Infrastructure

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

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurredon maintenance of physical facilites
24	22.7	121	123.51

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

Procedure and policy for Utilization of following: Classrooms laboratories The classrooms and laboratories are utilized to implement teaching learning process to impart quality education to students according to the university course curriculum as per Time Table designed by TT In-Charge and approved by HOD after following the below procedure: 1) All students are asked to opt for elective subjects. 2) After choice of the elective subjects by the students, DAMAC decides which electives are to be taught to the students. 3) Faculty are asked to choose for the subjects they like to teach. 4) After choice of subjects by faculty, DAMAC decides which subjects are to be allocated to the faculty. 5) Then the Time Table is designed by the TT In-Charge and after approval from HOD is disseminated on the notice board and send to all stake holders by official mail id. Library The Institutional Data Repository has been installed to facilitate the users to access multiple resources like e-Journals, question papers, model solutions and news paper clippings using following procedure: 1) The students record his/her entry in the entry register to access offline or online resources available in the library, 2) The students have Book Bank facility which can used for getting textbooks issued for the whole academic semester after getting their identity verified by showing his/her OMR ID card. The books are required to be returned at the end of semester. Sports facility The Institution Sports facilities can be availed by the students

through PTI using following procedure: 1) The students record his/her entry along with issuance date in the entry register to access gym or any sports item/resource against his name available in the Gym or Sports department according to the framed rules. 2) The PTI inspect the returned sports items issued to the students and if not in proper working condition categorise it as reparable or damaged. If the returned item is reparable it is repaired or discarded if not reparable. Procedure and policy for Maintenance of Physical infrastructure 1) All stake holders are being provided with a login id to access the software. 2) In case of any breakdown, a complaint is raised by the user on the Complaint Management Software (CMS). 3) The Complaint is automatically assigned to resolver depending upon the nature of complaint categorization of which is given below. 1. IT Services 2. Accounts 3. Administration 4. Hostel 5. HR 6. House-Keeping/Maintenance 7. Internal Complaint Committee (ICC) 8. Library 9. Registrar Office 10. Departments 11. Laboratory Equipment's 4) If the complaint is not resolved within the maximum Turn-Around-Time (TAT) of 2 days, then it is automatically escalated to the higher authorities as per the escalation matrix shown below: Level I Resolver Level II Admin officer Level III Director-Admin 5) The institution has an in house team to manage repair maintenance work. 6) Minor and emergency infrastructure maintenance requirements are met with immediate effect by the Administrative Staff through approval by the HoDs and Director.

https://drive.google.com/file/d/1Ckv8Bu-R0T_qv5xlugAc-FTgi-EnQfCW/view

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	Institute Scholarship Scheme	123	4826100
Financial Support from Other Sources			
a) National	1. Uttar Pradesh Scholarship 2. PMSSS JK	50	4892250
b)International	Nill	Nill	Nill
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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
Public Speaking	06/07/2019	237	PDP Department
Solving Business Case studies	06/10/2019	295	PDP Department
Social Media Profiling	04/11/2019	150	PDP Department
Debates	24/11/2019	285	PDP Department
Stress Management	23/08/2019	150	PDP Department
Mind fullness Sessions	23/08/2019	250	PDP Department
Video Profiling	05/11/2019	150	PDP Department

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

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passedin the comp. exam	Number of studentsp placed
2019	Assessment Test (AMCAT)	169	Nill	Nill	171
2019	Assessment Test (Co-cubes)	283	Nill	Nill	171
2019	Placement readiness program for 2019	Nill	205	Nill	171
2019	Our Executive Director on forthcoming placement oppertuities-2021	Nill	285	Nill	171
2019	Carrier after Engineering	Nill	265	Nill	171

5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
0	0	14

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
TCS	143	6	Byjus	4	4

5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2019	4	B.Tech	EEE, ECE	NIT	M.Tech

				CE	Warangal, NIT Surat, Amity University, MNIT Allahabad	

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

Items	Number of students selected/ qualifying
GATE	6

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

Activity	Level	Number of Participants
Literary Cultural Fest UDGHOSH- 2019	Zonal Level	1300

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5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2020	AKTU Zonal Gold Medal	National	10	Nill	Nill	Shagun Beniwal Arjun Rathi Sagar Verma Shivam Partap Singh Abhishek Anand Yadav Devansh Yadav PAwan Kumar Yadav Shashwat Rai Tushar Kumar
2020	AKTU Zonal Silver Medal	National	1	Nill	Nill	Sheel Vardhan
2020	AKTU Zonal Silver	National	1	Nill	Nill	Prajwal Raj

	Meda					
2020	Dr. Abdul Kalam Arts and Cultural Fest Gold Medal	National	Nill	1	Nill	Priyanshi Sharma
2020	Dr. Abdul Kalam Arts and Cultural Fest Gold Medal	National	Nill	1	Nill	Nikita

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

ITS Engineering College, Greater Noida provides necessary support to the council members in organizing and coordinating the events. It encourages the students to develop their leadership skills through these activities. REPRESENTATION OF STUDENTS IN VARIOUS COMMITTEES IQAC Committee: • Two student members are nominated to be a part of Internal Quality Assurance Committee. • These students attend the quarterly IQAC meetings and are free to put forward their views for any required actions needed for students' welfare. Student Council: • A Student Council has been formed for holistic development of the students and to enhance leadership skills for overall development of the students. • Student council is headed by a Student President and Vice-President and they motivate other students to participate in the activities. • They work as a medium between faculty and students. The following committees/societies of students work under the control and coordination of Dean Students Welfare. a) Cultural Committee b) Literary Society c) Sports Committee Each committee/society is headed by a faculty member with student coordinators. The coordinators of each committee/ society exercise admin control on the students for active participation in all the events organized at intra-collegiate and inter-collegiate level. It is the responsibility of the Faculty coordinators to ensure that all the student members do get attendance for the duration of their participation in all events by sending their names to the respective departmental HODs. In addition, every department has constituted a professional society/committee, which is responsible for conducting various technical/non-technical events. The faculty member of the department is heading each departmental society/committee with students holding various posts like President, Vice-President, Secretary and Treasurer. The various departmental societies/students activity clubs are formed with the following names, which hold technical/academic events pertaining to their respective discipline/branch/inter branch events. a) MEGABUILD (Department of Civil Engineering) b) AVANT GARDE (Department of Computer Science and Engineering) c) ERGON (Department of Electrical and Electronics Engineering) d) ENVISION (Department of Electronics Communication Engineering) e) MECH IMPULSE (Department of Mechanical Engineering) f) AMBROSIA (Department of Business Administration) Student Head Coordinators of the above stated professional societies/students activity clubs also exercise admin control and project their budgetary requirements, accordingly. Sports activities in the college are administratively coordinated by the Sports Committee headed by sports secretary and he is formally supported by Physical Trainer and Instructor (PTI) and student members selected as Captains and Vice Captains (both boys and girls

separately). All the students of the institute are grouped into four houses at the time of admission and for the next four years, they will be representing their respective houses in various events held in the institute during the year. These houses signify the elements of earth namely AGNI (Orange Colour), VAYU (Red Colour), SALIL (Yellow Colour) and Vyom (Blue Colour). All the events and activities are organized by the heads of the different committees/societies under the able guidance of Dean Students Welfare.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

No

5.4.2 – No. of enrolled Alumni:

0

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

0

5.4.4 – Meetings/activities organized by Alumni Association :

SANKALAN-2020

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

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

6.1.1 Mention two practices of decentralization and participative management during the last year (maximum 500 words) Decentralization Institute has a mechanism for delegating authority and providing operational autonomy to all the various functionaries to work towards decentralized governance system. Participative management The institute promotes a culture of participative management by involving the staff and students in various activities. All decisions of the institution are governed by management of facts, information and objectives. Both students and faculties are allowed to express themselves to improve the excellence in any aspect of the Institute. Strategic Level • Director, HODs, Faculty and Staff members are involved in defining the policies and procedures, framing guidelines and rules and regulations pertaining to admission, placement, discipline, grievance, counseling, training and development, and library services etc., and effectively implementing the same to ensure smooth and systematic functioning of the institute. • For the various programs to be conducted by the institute all the staff members will meet, discuss, share their opinion and plan for the event and form various committees involving students and coordinate with other faculties. • Faculty members are also involved in deciding academic activities and examinations to be conducted by the college. Functional Level • At functional level the faculty members participate in sharing the knowledge by discussing the latest trends in technology during faculty meeting. • Research center is managed by the efforts of faculty members. • Faculty members organize and participate actively in various conventions/conferences/workshops/FDPs. • Faculty members also write joint research papers and share their knowledge. Operational level • Director of the institution is responsible for academic, non-academic and administrative activities of the institution. • On behalf of the institution, he interacts and corresponds with Affiliating University, etc., • The budget is ear-marked for staff members and students to participate in various programs organized by the institute. • Office staff is involved in executing day to day support services

for both students and faculties. Academic Committee Academic Committee is meant for smooth conduction of academics in the Institute. This committee is headed by the Director who works with HODs and subject in-charges. Role of academic committee: • Academic committee monitors the teaching learning process. It prepares the academic calendar of the institute that includes curricular, co-curricular, extracurricular activities.• Academic calendar is meticulously planned and prepared in advance by HODs and ensures the proper implementation of the academic calendar. • HODs are responsible for confirmation and observation of academic activities. They also confirm about the audit process of the department and gives input to IQAC. •Subject in-charge ensures about the smooth conduction of practical and theory classes. • Subject in-charge gives feedback to HODs regarding conduction of extra classes for the academically weak students.

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

Yes

6.2 – Strategy Development and Deployment

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

Strategy Type	Details
Admission of Students	Admission of students is being done as per the AKTU, Lucknow norms.
Industry Interaction / Collaboration	The college has interface with the industry at various levels which includes the following:: 1.Industrial/Summer Training of students. 2.Student projects sponsored by the industry. 3.Industrial visits. 4.Campus placements ? 5.State-of-the-art Centre of Excellence in collaboration with eminent multinational companies for providing summer training to students.
Human Resource Management	The college has well-documented procedure for the recruitment,training, development, motivation and appraisal of the entire faculty and the staff members. • The institute has the well-defined policy to obtain the high quality human resources for academic and non-academic activities. • The College has a well-defined and detailed recruitment policy. • The interview board consists of the chairman of Board of Governors, Director, Dean Academics, Concerned HoD, one specialist in the field and one nominee of AKTU, Lucknow.
Library, ICT and Physical Infrastructure / Instrumentation	The institute has completely automated library with subscription to National and International journals, e-journals and magazines for intellectual pursuits. • Computerized with Alice for Windows Software. • Distinctive characteristic of Book Bank facilities provides requisite books for all

	subjects to each student as per the requirements in each semester. • There are five seminar halls well equipped with latest audio-visual technology state-of-the art auditorium which can accommodate up to 1500 students an open Amphitheatre which hosts Intra and Inter college events round the year making teaching more interactive. • Web based learning, live simulation exercise and project work make learning process more effective and enjoyable.
Research and Development	15 Days paid study leave in a financial year is provided by the institute to the Faculty members involved in pursuing higher studies. • The institute has laid down definite plans to encourage faculty to do research, write articles in journals and magazines, submit papers in workshop and conferences etc. • Towards this the institute has framed various schemes for faculty in terms of financial incentives, awards, provision of study leaves etc. • These would be strengthened further so that faculty has enough time at its disposal to conduct research and publish the outcomes.
Examination and Evaluation	Evaluation of marks is contingent upon internal marks from continuous assessment test and external marks scored in End Semester Examination. •Continuous Assessment Tests (Sessional Tests) are conducted by the Examination Cell of the College and End Semester Examination by the affiliating University (AKTU). • Marks in the continuous assessment/internal assessment and End Semester Examinations are accounted for in the final results. • Mentor system is practiced to monitor the progress of the students throughout the program.
Teaching and Learning	Establishment of the course plan for every subject well before the commencement of each semester along with the course handouts which are made available to all students on the start of the academic year. • Teacher's study materials are shared with students. •Organizing conferences, seminars, workshops, faculty development programs and guest lectures. • Deputation of students and faculty for conferences, seminars and workshops • Internal tests are being conducted on a routine

	basis.•Organizing student seminars on recent trends and developments in respective subjects.
Curriculum Development	The institution is affiliated to AKTU, Lucknow, U.P. Any changes/up gradation in the curriculum is totally handled by the University. Special efforts are made by institute to facilitate effective curriculum delivery: • Detailed Lesson Plan and related course materials are prepared by the faculty members. • Modern teaching aids are provided in every classroom. • Attendance is monitored by HODs through Academic Daily Report (ADR) and Academic Weekly Report (AWR). • Regular meetings are conducted by the HOD to discuss about course coverage. • Various COEs are set up by the institute for effective curriculum delivery to provide an opportunity to students to get industry relevant trainings and competence building beyond curriculum.

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

E-governace area	Details
Planning and Development	The MIS modules of the Institute help in planning academic activities which includes time-table creation, uploading of session and lecture plan, attendance monitoring and students feedback. This MIS helps in distributing students in batches through batch management, subject allocation to all the faculty members, course wise room allocation. It allows students to select choice based electives. The MIS has inbuilt students and employee grievance module which helps in overall development of the Institute.
Administration	HR One module of the institute helps in keeping service records of all the employees maintaining service books, promotion records, seniority etc. and their total emoluments and the records of their provident fund.
Finance and Accounts	Functions of the finance and accounts are precisely defined and are strictly followed with proper accounting practices making record of each financial transactions using egovernance mechanism. This has helped in keeping records of receipt of funds, projects, consultancy income, donations, staff salary and all types

	of purchases and payment of various utility bills and taxes.
Student Admission and Support	Students who are desirous in taking admission in UG/PG program of the institute are required to make formal application online on institute's MIS by registering themselves. The data collected through this process is further used for making merit list and preparing final admission list of the eligible candidates. It also facilitates online payment of the required fees.
Examination	MIS of the institute has well defined modules for collecting the data related to marks of continues evaluation, sessional test, end semester marks and collection of question papers. Appointment of external examiners is being done by the Affiliating University.

6.3 – Faculty Empowerment Strategies

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

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2019	Dr. Ashish Gupta	8th International Conference on innovations in Electronics and Communication Engineering(ICIECE-2019)-Springer, Guru Nanak Institutions, Hyderabad	Nill	2250
2019	Agha A. Husain	8th International Conference on innovations in Electronics and Communication Engineering(ICIECE-2019)-Springer, Guru Nanak Institutions, Hyderabad	Nill	2250
2019	Praveen Bhola	Two days workshop on Introduction to Robotics	Nill	1600

Year		Title	Nill	Amount
2019	Prabhakar Saxena	Two days workshop on Introduction to Robotics (30-31, Aug 2019)	Nill	1600
2019	Agha A. Husain	Two days workshop on IntroduTwo days workshop on Introduction to Robotics (30-31, Aug 2019)Two days workshop on Introduction to Robotics (30-31, Aug 2019)tion to Robotics (30-31, Aug 2019)	Nill	1600
2019	Praveer Saxena	Two days workshop on Introduction to Robotics (30-31, Aug 2019)	Nill	1600
2019	Garima Chandel	International Conference on Electrical, Electronics and Computer Engineering (UPCON)-IEEE, AMU Aligarh	Nill	3245
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6.3.2 – Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2019	Nill	Emotional Intelligence and Interpersonal Effectiveness'	06/12/2019	06/12/2019	Nill	34

2020	Nill	Professionalism, Enthusiasm and Attitude	07/02/2020	07/02/2020	Nill	34
2020	Nill	Introduction to Ms Excel	10/01/2020	10/01/2020	Nill	32
2020	Nill	Self analysis and Self Development	24/01/2020	24/01/2020	Nill	42
2020	Nill	Safety Training and Compliances	07/03/2020	07/03/2020	Nill	32
2019	FDP on Industrial Automation	Nill	22/07/2019	22/07/2019	40	Nill

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

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
FDP on Mechanical Design Techniques for Academic and Industrial Environment	1	08/07/2019	20/07/2019	12
FDP on Condition Assessment and Retrofitting of Civil Engineering Structure for Operational and Extreme loads	1	21/10/2019	25/10/2019	5
FDP on Universal Human Value and Professional Ethics	1	29/06/2019	06/07/2019	8
FDP on Manufacturing Process	2	21/08/2019	25/08/2019	5
FDP on Cyber Security and	1	23/09/2019	27/09/2019	5

Forensics				
MDP on "Effective communication for Managerial Success"	1	30/08/2019	01/09/2019	3
FDP on Advancements in I.C. Engines	6	03/12/2019	14/12/2019	12
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
15	15	19	19

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
11	5	5

6.4 – Financial Management and Resource Mobilization

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

INTERNAL AUDIT: The Institution monitors the effective and efficient use of financial resources through the system of internal audit. It has appointed a Chartered Accountant, who on regular basis conducts the internal audit. The scope of internal audit includes audit of all the transaction of the Institute, verification of fee reconciliation and checking of payroll of the Institute. While verifying the accounting vouchers, the internal auditor follows suitable auditing standards. Reconciliation of fees is done on half yearly basis and verified by internal auditor. Verification of payroll is done by internal auditor. EXTERNAL AUDIT: External audit is also conducted by auditors M/s. D.C. Garg Co., Ghaziabad and they conduct the audit twice a year. Auditors conduct the official scrutiny of accounts by going through routine college fee collections, bank payments and receipts, cash payments and receipts, undertake verification of bills and payment vouchers. Auditors further verify the TDS return, PF and ESI return to ensure timely deposit of TDS, PF and ESI and timely submission of TDS, PF and ESI Returns. Thereafter Auditors submit their report on the basis of their finding during the course of the audit. All the recommendation, as suggested by the Auditors in their report, is taken care.

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

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
Funds recd from Parent Society Named Durga Charitable Society	20667719.83	For Routine Expenses
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6.4.3 – Total corpus fund generated

00

6.5 – Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	No	Nill	Yes	Management, Director
Administrative	No	Nill	Yes	Management, Director

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

1. Continuous counseling, short attendance monitoring and communication of the same to parents/guardians to ensure that the students enrolled should meet the required attendance criterion to appear in the end semester examination without fail. 2. In this regard, short attendance and detainment letters from sessional tests are being regularly sent to parents. Also, the same is being informed by respective mentors telephonically to parents. Parents and local guardians are invited to the college and discuss the necessary action to be implemented for the progress of the student. 3. Communications regarding student's performance to the parents is done on a regular basis by the mentors through following ways: (i) Display on the notice board (ii) Performance reports sent to the parents (iii) Parents teachers Interaction (iv) Feedback from parents is collected from time to time.

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

1. Professionalism, Enthusiasm and Attitude 2. Introduction to Ms Excel 3. Self analysis and Self Development 4. Safety Training and Compliances

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

1) Motivating Faculty Members to publish quality research papers in reputed International Journals 2) To maximize Industry Institute Interaction 3) Hands on experience both for students and staff members 4) Faculty members and students to take up online courses. 5) Initiative for start-up. 6) Awareness about new technologies.

6.5.5 – Internal Quality Assurance System Details

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

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2019	Faculty Colloquium on Thin film based sensors for biomedical Applications	27/07/2019	27/07/2019	27/07/2019	35
2019	Faculty Colloquium on Functiona	27/07/2019	27/07/2019	27/07/2019	35

Year					
	lity graded materials: A Material used for specific Applications				
2019	Faculty Colloquium on Critical thinking	10/08/2019	10/08/2019	10/08/2019	30
2019	Faculty Colloquium on Clustering-based Computation of degradation rate for photovoltaic system	28/09/2019	28/09/2019	28/09/2019	20
2019	Academic Audit	14/08/2019	12/08/2019	14/08/2019	62
2019	Academic Audit	15/10/2019	09/10/2019	14/10/2019	60
2020	Research Progress Review meeting for PH.D Persuing Faculty	25/01/2020	25/01/2020	25/01/2020	21
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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

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

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Free Health check up Camp at World Heart Day	29/08/2019	29/08/2019	25	40
International Day of the Girl Child	11/10/2019	11/10/2019	80	120
National Women's Day (Debate Competition)	13/02/2020	13/02/2020	28	18

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

Percentage of power requirement of the University met by the renewable energy sources
Percentage of power requirement of the College met by the renewable energy sources is 15. It is obtained by installing Photo-Voltaic modules on the rooftops of the Institute building. The Institute makes every effort to integrate cross cutting issues as Gender, Climate Change, Environmental Education, Human Rights, ICT etc., into the curriculum. Every year a plantation drive is done in the campus. Specific colour dustbins are installed at various locations different type of waste and cleanliness is maintained. Continuous efforts are made to switch off lights and fans when not in use, to save energy. It is being displayed at every critical point in the Institute. The Institute has installed solar panels for supplementing the need of power supply to the hostel. Cleanliness drive is organized to create awareness and motivation among students to keep the environment clean.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	2
Provision for lift	Yes	3
Ramp/Rails	Yes	2
Braille Software/facilities	No	0
Rest Rooms	Yes	1
Scribes for examination	Yes	0
Special skill development for differently abled students	No	0
Any other similar facility	No	0

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2019	2	2	10/08/2019	1	Awareness on Water Bodies	Sustainable use of water and other natural resources	60
2019	1	1	25/09/2019	1	Unnat Bharat Abhiyan	Benefits of Yoga	75

[View File](#)

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

Title	Date of publication	Follow up(max 100 words)

Human Value Professional Ethics	20/06/2019	This need for value based education has been repeatedly highlighted by various commissions and expert committees on education. The scope of education is to understand ones purposefulness or goal, both as an individual, as well as a society. Education should facilitate students to have the understanding, commitment, competence and the practice of living with definite Human conduct and to participate in the development of a humane society. Human education must enable the student to (i) develop right understanding by sharing the understanding of what to do (value education) (ii) develop right skills by teaching how to do (technical education) (iii) practice right living during the period of education.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Teachers day	05/09/2019	05/09/2019	114
Engineer's Day	15/09/2019	15/09/2019	325
World Ozone Day	16/09/2019	16/09/2019	76
Vishwakarma Puja	17/09/2019	17/09/2019	125
Regional Seminar on Investor Awareness	26/09/2019	26/09/2019	90
International Animation Day	22/10/2019	22/10/2019	43
World Science Day for Peace and Development	10/11/2019	10/11/2019	130
World Computer Literacy Day	02/12/2019	02/12/2019	105
National Mathematics Day	22/12/2019	22/12/2019	95
National Entrepreneurship	16/01/2020	16/01/2020	55

Day			

[View File](#)

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

1. Plantation Drive 2. No Plastic Campus 3. Green landscaping with trees and plants 4. Students participate in campaigns like "Adopt a tree" 5. Awareness about Deforestation 6. Conserve native species of plants and trees

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

BEST PRACTICE 1 1. Title of the Practice: Professional and technical quality enhancement incorporating various methods 2. Goal: a) To be in sync with the latest technologies which are not part of university curriculum. b) To get exposure of real life working of any industry. c) To develop entrepreneurial skills in the students. d) To prepare students for industry readiness. e) To improve the employability of the students. f) To prepare students for various competitions for Govt. Jobs/ Higher Education 3. The Context Theoretical studies are not sufficient for any aspiring engineering mind. Syllabus based experiments/practicals are provide the fundamental exposure to the students. Additional efforts are required to expose the students about the latest technology as per the industry requirement. The exposer of basic engineering labs doesn't prepare students for industry readiness, doesn't promote their employability, and also not for competitive examinations for government jobs / higher education. Hence various different methods are being used to overcome this situation. 4. The Practice a) Successful establishment and functioning of the state of art Centre of excellence (COE) for latest technologies. These CO's include Rockwell Automation COE for industrial automation and drive, SMC COE for electro-pneumatics, National Instruments COE for industrial instrumentation and control, Apple IOS COE for app development, Syscom COE for smart card development, SALT COE for software testing and E-Yantra for robotics applications. b) Successful establishment and functioning of Entrepreneurship Development Cell (EDC) funded by NEWGEN IDC, Govt. of India initiative. c) Regular conduction of Industrial Visits to top notch industries such as NTPC, NPCL, New Holland, ABB, ST Microelectronics, Bisleri, Mother Dairy, Anmol industries etc. d) Conduction of various events such as seminar/ workshop/ short term training programs/ FDP/ SDP /conferences on regular basis by each department. e) Routine classes for Personality Development Program, Aptitude development f) Conduction of various technical sessions/ GATE classes for PSU/ Higher education. 5. Evidence of Success On monitoring the academic module, following were the observations: a) A remarkable technological advancement is observed in students as the result of their COE training. b) Our various students/alumni are now buddy entrepreneurs and running their business on their new and innovative ideas. c) It is obviously observed that the students, who take interest in understanding the various processes in industry, can easily correlate the theoretical fundamentals with practical utilization. It also helps them in their campus interview selection process as the employers are interested in students who have knowledge of recent industry trends. d) With the conduction of various events, it is observed that students and faculty are now more equipped and conversant with latest technological terms and ideas. e) Students placement is enhanced due to increased confidence level and communication with the personality development program. f) The selection percentage in various competitive exams has increased. 6. Problems Encountered and Resources Required More resources and infrastructure are required for academic restructuring. New labs have to established which have financial, infrastructural and training challenges however all problems are being managed with due efforts of management and faculty. Conduction of events needs expansion of resources and time. Time table have to re-adjust. Dedicated

faculties are required for specific Trainings. Time is the big challenges in all these activities however with cumulative efforts and team works, all things are managed in stipulated time frame. BEST PRACTICE 2 1. Title of the Practice: Conduction of value based and personality development program 2. Goal: a) To make the students good human being. b) To groom students for responsible citizen. c) To develop professional ethics in the students. d) To groom the students personality. e) To inculcate the Indian culture and ethics in students. 3. The Context The only technical subject knowledge and associated experimental studies cannot produce the good human being and responsible citizen. It is prime responsibility of any educational institute to inculcate the values and ethics in the students for their overall development and associated contribution towards society and country. 4. The Practice a) Sending faculty members to various human values workshop/ refresher courses. b) Establishment of value education cell. c) Conduction of various personality development programs. d) Conduction of fire safety and road safety programs. e) Conduction of blood donation camps. f) Implementation of Anti ragging rules. g) Conduction of gender sensitization based program. h) Organization of various cultural events. 5. Evidence of Success On monitoring the overall scenario of the college: a) It is found that our students are more disciplined and cultured. b) 40 of college faculty has attended the human value workshops. c) There is no ragging case in the premises. d) The college is a major partner with GOI in Unnat Bharat Abhiyan. e) Students are capable enough to organize various cultural events on their own without any indiscipline case. f) The students are voluntary participating in various CSR activities. 6. Problems Encountered and Resources Required The time management is a major concern as lot of academic and non academic activities are going in parallel. Crowd management in events is also a challenge, however with mutual coordination of students, faculty and administrative staff, things are being managed.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link
https://www.itsengg.edu.in/criteria%205/Best%20Practices_2019-20.pdf

7.3 – Institutional Distinctiveness

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

The I.T.S engineering college is geared up for providing productive and inspiring learning experience to students. To systematically foster the culture of innovation among its engineers, it established the Institute Innovation Council (IIC) as per the guidelines of MHRD. Recently we have achieved 5-star rating in IIC. The center provides a range of resources which empower students, faculty and staff to pursue entrepreneurial achievements to improve people's lives, drive the economy and helps innovators bridge the gap between inventor and venture capitalist through three different government supported incubation centers - Entrepreneurship Development Cell (EDC), Business Incubation Centre (BIC) and NewGen IEDC. Institute has been ranked among Top 25 innovative higher education private universities/institutions across India in ATAL Ranking of Innovation and Achievement (ARIIA) 2020 and Certificate of Recognition for Effective Practices for Incubation Center by Engineering College in 14th World Education Summit Delhi 2019. The College was conferred with Education Excellence Award on National Summit on Women Education Empowerment 2020 in the presence of Honorable Minister - Shri Nitin Jairam Gadkari. Our students have participated in various globally recognized competitions such as NASA Human Exploration Rover Challenge (selected for best design award), Smart India Hackathon 2020 (selected for final round based on App Development on Food Processing Problem), Grid Tech 2019 competition (awarded 1st rank and Study Visa for Japan), the Himalyan Startup Trek 2019 (bagged a grant of 7 lacs),

teams from different branches participated in IIT Roorkee, IIT Delhi, IIT Mandi, IIT Kanpur and achieved 1st and 2nd positions in the different events like Robo-Wars, Robo-Race etc. Some of our notable innovations include Smart E bike, E Sugarcane Crusher, Juicer Machine, Health Monitoring System Rail Generator, Reception Robot, Low cost Sewage Cleaning Machine, Smart Gardening System, Smart Inhaler, Smart Shopping Trolley, Solar Panel 3 stage cleaning machine, Traffic free ambulance system to name a few. Some of the marvelous efforts for overall development of students are • Navrachna Foundation for Entrepreneurship Development, a subsidiary of I.T.S. Engineering College • Institute-Industry Interaction. • MoU with PadUp Venture for angel funding for ITS incubates • MoU with a Sweden based company with Dr. Mikael Syvajarvi from Linkoping University, Sweden as one of its advisory board members • 8 different Centers of Excellence (COE) for in-depth understanding of the most relevant industry technologies. o Apple iOS COE o R Systems COE o Syscom COE o ITB SALT Software testing COE o Rockwell Automation (Electrical) o National Instruments Innovation Center (ECE) o SMC Pneumatics (Mechanical) o e-Yantra (ECE) • Spiritual and Moral Training through team-work. • Celebration of religious festivals like Navaratri and Mata ki Chowki. As one of the premier engineering institutions in Greater Noida region of Uttar Pradesh and carrying a rich legacy of more than 24 years under the aegis of Durga Charitable Trust, I.T.S Engineering College has become synonymous to innovations and creativity.

Provide the weblink of the institution
https://www.itsengg.edu.in/criteria%205/POI_2019-20.pdf

8.Future Plans of Actions for Next Academic Year

 Continuing with the tradition of striving for excellence, the Academic Calendar should be modified showing all the activities to be held in a session. • To be with the impact of COVID 19 situation, the institution has temporarily cancelled physical classes. The institution is planning procured ZOOM licence for untreated class sessions. Classes are also equipped with the required tools to record lectures. • Beyond the electronic connection, we need to connect emotionally specially in times of anxiety and uncertainty. So, institute will focus mentoring practice more precisely. • To share the plan with students about the schedule to deal with the new situation and change in part of life. • Focus will be given to conduct quality online training program for faculty/staff/students. • To implement the curriculum in a more effective manner, it is planned to follow new formats for lesson plan and evaluation. • More number of pre-placement activities is to be conducted for the final year students to help them optimally utilize the benefits of placement opportunities. • Keeping in mind the environment, the use of paper for reporting and record keeping is minimized through recycle-reuse-reduce solution for various processes.