



Yearly Status Report - 2019-2020

Part A

Data of the Institution

1. Name of the Institution		IMS ENGINEERING COLLEGE
Name of the head of the Institution		Dr. Sraban Mukherjee
Designation		Director
Does the Institution function from own campus		Yes
Phone no/Alternate Phone no.		01204940000
Mobile no.		9821396584
Registered Email		imsec@imsec.ac.in
Alternate Email		director@imsec.ac.in
Address		NH-24, Adhyatmik Nagar,
City/Town		Ghaziabad
State/UT		Uttar pradesh
Pincode		201015
2. Institutional Status		

Affiliated / Constituent	Affiliated
Type of Institution	Co-education
Location	Rural
Financial Status	private
Name of the IQAC co-ordinator/Director	Dr. Sraban Mukherjee
Phone no/Alternate Phone no.	01204940000
Mobile no.	9821396584
Registered Email	imsec@imsec.ac.in
Alternate Email	director@imsec.ac.in

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	http://imsec.ac.in/naac.html
4. Whether Academic Calendar prepared during the year	Yes
if yes,whether it is uploaded in the institutional website: Weblink :	http://imsec.ac.in/cal2020.pdf

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	B	2.80	2009	30-Sep-2009	29-Sep-2014
2	A	3.04	2015	01-May-2015	30-Apr-2020

6. Date of Establishment of IQAC	13-Apr-2012
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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
Students Feedback	23-Nov-2019 8	2573
Participation in NIRF	13-Dec-2019	2573

	0	
Internal Audit (Course Files)	24-Jul-2019 6	190
Internal Audits (Laboratories)	10-Jun-2019 9	2573
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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
AS&H	Air Quality Monitoring at two places at Hapur City	U.P. Pollution Control Board	2019 365	872000
Dr. Meghna Singh	Teachers Associateship for Research Excellence (TARE)	Science and Engineering Research Board, DST, Govt. of India	2018 1095	1830000
IMSEC	Scheme: 'Grant for Organizing Conference' For International Conference on "Recent Advances in Renewable Energy Using Solar Technologies" organized on 26th & 27th July, 2019	AICTE, New Delhi	2019 2	131000
IMSEC	Two-week Faculty Development Program on "Next Generation Materials & Manufacturing" was organized by ME Department from 16th to 28th December, 2019	AICTE, New Delhi	2019 13	573700
IMSEC	Scheme: 'Conference Grant Scheme' For National Conference on	AKTU, Lucknow	2020 1	50000

	"CRISPR/Cas as an Emerging Tool for Genome Editing" organized on 22nd February, 2020			
IMSEC	Visvesaraya Research Promotion Scheme	AKTU, Lucknow	2018 730	385000
Dr. Monica Verma	Travel Grant Scheme	AKTU Lucknow	2019 7	100000
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9. Whether composition of IQAC as per latest NAAC guidelines:	Yes
Upload latest notification of formation of IQAC	View File
10. Number of IQAC meetings held during the year :	2
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	Yes
Upload the minutes of meeting and action taken report	View File
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	No

12. Significant contributions made by IQAC during the current year(maximum five bullets)
Encouraging faculty and students to undergo NPTEL/online courses. Multiple set of question papers prepared for sessional examinations. Emphasis on innovative live projects. Blended learning. Seminars/Webinars - organizing webinars and encouraging faculty members to attend seminars/webinars, FDPs, STPs etc.

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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
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Plan of Action	Achivements/Outcomes
Research Publication	Faculty Publications: International Journals - 59, National Journals - 1,

International Conference - 19, National Conference - 6, Book Chapter - 10, Student Publications: International Journals - 61, National Conference - 6

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14. Whether AQAR was placed before statutory body ?	No
15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	No
16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2020
Date of Submission	13-May-2020
17. Does the Institution have Management Information System ?	Yes
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	<p>IMSEC has a well organized Management Information System for managing the information of the college in a systematic way. It contains modules like: i) Academic ii) Assignment iii) Account iv) Admission v) Hostel vi) Human Resource</p> <p>i) Academic: Academic Module contains/provides important academic information like notice section, attendance, class schedule, sessional marks, student registration, letter to parents etc. ii) Assignment This module contains/provides information of assignments given to students by faculty like studentwise assignment information, facultywise assignment information and sectionwise assignment. iii) Account This module contains/provides information about the account of the students like fees payment, dues etc. iv) Admission This module contains/provides information of students, fees etc. v) Hostel This module maintains information of hostel allotment to the students, registration by students, gate pass etc. vi) Human Resource This is a HR Section module maintaining information of employees, leave etc. vii) Transport This module maintains the information about transport facility being used by</p>

faculty and students and route of the bus. All these above modules help the college to maintain relevant information and daytoday working of the college in an organized way.

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

IMSEC has good mechanism of curriculum delivery and documentation in planned manner as given below: Teaching-Learning Planning and Implementation: IMSEC is affiliated to Dr. A.P.J. Abdul Kalam Technical University, Lucknow, U.P. Curriculum is decided by University but curriculum delivery planning of institute matters a lot like: a. Academic Planning: ? Subjects are allotted based on expertise and choices of faculty. ? Academic calendar is prepared in line with University Calendar in beginning of semester. ? Action Plan by department and review of previous semester. - Departmental meetings held to discuss action plan. - Academic responsibilities are defined and process of implementation is discussed. - Monthly departmental meetings are held to monitor progress. - Faculty members prepare Course Files in pre-defined formats. Contents beyond syllabus are also added. - Value addition programs are conducted. ? Collaborative learning: - Fundamental and technical classes. - Students are encouraged for self-learning activities and develop small projects. ? Learning through project development: - Final year project identification process initiated from 3rd year. - Weekly monitoring and evaluation done. - Students are encouraged for project contests and writing papers. b. Emergency Academic Planning: In view of COVID'19 pandemic, institute did emergency planning for online classes, like: - Subjects were identified for online classes. - Assignments were given and assessed online. - Evaluation done online. - Viva conducted online. - Projects given online. - Mentoring and monitoring of students done online. - Webinars conducted online. c. Classroom Teaching Planning: ? Teaching plan, mapping of CO-PO and PSO, assignments, tutorial sheets/quizzes, mini projects, lecture notes/PPTs, question banks are part of Course Files. ? Online classes conducted during lockdown. d. Laboratory Experiments Planning: ? Lab experiments are pre-planned in course files containing lab manuals, requirements and expected results. e. Content delivery effectively: - Use of projectors/white boards. - Use of quality reference materials like online tutorials, PPTs, videos. - Coverage of contents beyond syllabus. - Sessions for solving problems. f. Teaching-Learning monitoring and improvement: • Academic Monitoring: - Facility of online reports in HOD's Login on college ERP including attendance, assignments, subject allocation, sessional marks, letter to parents, student registration etc. - Students discipline monitoring. - Meeting with Class Representatives. - Short attendance notices and letters to parents. - Visits by Director, Deans randomly to monitor classes. - Verbal feedback from students. - Analysis of course coverage. - Daily attendance in registers and ERP. • Laboratory Monitoring: - Lab manuals available in labs. - Viva-voce and lab experiments for performance evaluation. • Student Performance Monitoring: - Analysis of student performance in sessional exams. - Analysis of university results and design strategy for improvement. - Regular analysis of class attendance. - Comparative analysis of student performance and discussion for improvement. • Bright Students - Top ranking students are awarded. - Top students work with weak students during team activities • Weak Students - Remedial classes for core subjects. -

Tutorial classes for problem solving and creative thinking - Extra classes/time to students. • Personal Monitoring - One-to-one counselling sessions.

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
Six-weeks Summer Internship Program on "Redhat Linux, Python Machine Learning"	----	12/06/2019	4	----	Skill Development
Six weeks Summer Internship Program on "Competitive Learning (C Java) and Applications"	----	03/06/2019	13	----	Skill Development
Summer Training Program in ABB - Industrial Automation Centre	----	10/06/2019	26	----	Skill Development
Summer Training Program in ABB - Industrial Automation Centre	----	08/07/2019	24	----	Skill Development
3-week student Summer Internship Program on "Fundamentals of Electrical Machines Equipments"	----	08/07/2019	20	----	Skill Development
Six-weeks summer training program on "Robotics"	----	17/06/2019	11	----	Skill Development
Summer Training	-----	04/06/2019	31	Focus on Employability	----

Program on 'Hands-on Training in Molecular Biology Bio- informatics'					
'Advanced Industrial Automation' training in ABB- Industrial Automation Centre	----	12/09/2019	160	----	Skill Development
Industry based Winter Training Program in Robotics Automation, PLC Controlled E lectro- Pneumatic, Design Software	----	10/01/2020	8	----	Skill Development
Hands on training on Robotics programming using ARDUINO Development Board	----	11/02/2020	9	----	Skill Development
Hands on training in the field of Digital Circuit Design using Xilinx ISE VLSI Tool	----	11/02/2020	7	----	Skill Development
Summer Internship program on MACHINE LEARNING DATA SCIENCE	----	01/05/2020	90	----	Skill Development
Summer Internship program on JAVA CLUB (WEB DEVELOPMENT MOBILE TECHN OLOGIES)	----	01/05/2020	60	----	Skill Development

Summer Internship program on BLOCK CHAIN TECHNOLOGIES	----	01/05/2020	30	----	Skill Development
Summer Internship program on NETWORK CYBER SECURITY	----	01/05/2020	25	----	Skill Development

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
BTech	B.Tech in Computer Science (Code-12)	01/07/2019
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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
BTech	CSE, CS, IT, EC, EN, ME, CE, BT	01/07/2019
Mtech	CSE, BT	01/07/2019
MBA	MBA	01/07/2019

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

	Certificate	Diploma Course
Number of Students	458	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
Six weeks Summer Internship Program on "Redhat Linux, Python Machine Learning"	12/06/2019	28
Six weeks Summer Internship Program on "Competitive Learning (C Java) and Applications"	03/06/2019	40
Summer Training Program on 'Hands-on Training in Molecular Biology Bio-informatics'	04/06/2019	22
Summer Training Program in ABB - Industrial Automation Centre	10/06/2019	22

Summer Training Program in ABB - Industrial Automation Centre	08/07/2019	21
3-week student Summer Internship Program on "Fundamentals of Electrical Machines Equipments"	06/06/2019	11
3-week student Summer Internship Program on "Fundamentals of Electrical Machines Equipments"	08/07/2019	4
Six weeks summer training program on "Robotics"	17/06/2019	14
C-Programming online coding contest (Tech-Ninjas 2.0)	20/09/2019	145
'Advanced Industrial Automation' training in ABB-Industrial Automation Centre	12/09/2019	19
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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	223
BTech	IT	97
BTech	EC	71
BTech	EN	60
BTech	ME	70
BTech	CE	21
BTech	BT	50
MBA	MBA	54
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	No
Employers	Yes
Alumni	Yes
Parents	No

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

Feedback Obtained

Feedback: Faculty Feedback: Course-wise/faculty-wise feedback is obtained from the students once in every semester. We have online faculty feedback collection system which consists of the following parameters: - Subject knowledge and lecture delivery - 25 marks - Generates interest in the subject - 15 marks - Encourages questions from students - 15 marks - Maintains class discipline - 10 marks - Supplements lectures with PPT/Video lesson/Quiz - 25 Marks - Links subject with life experiences - 10 Marks Each Parameter is assessed on a scale of 1-10 (1 lowest, 10 highest) Grading 90-100 Excellent 80-90 Very Good 70-80 Good 60-70 Above average 50-60 Average Below 50 Below Average Academic Feedback Analysis Process: The feedback obtained is analysed online with the help of software at the institution level, subject-wise/faculty-wise and the report is generated. An average of all parameters as stated above, are taken and tabulated. Based on overall average score, the status is assigned as Excellent, Very Good, Good, Above Average, Average and Below Average. Feedback on facilities: We have a standard 'Student Survey Form' which is filled-up by the students of outgoing batch regarding facilities like laboratories, extra-curricular activities, value added training, industry interaction etc. Feedback is also collected on basic amenities through Class Representative meetings. CR meetings are held once or twice during the academic session by the Director. Given below is the summary analysis of some important points of Student Survey Form feedback of Session 2018-19: Student Feedback analysis report - Points of concern (2018-19) (Total number of respondents - 509) S.No. Concern areas Satisfied Neutral Dissatisfied 1 Laboratories 52.26 38.7 9.04 2 Extra Curricular Activities 63.36 29.32 7.32 3 Industry Interaction 43.42 35.07 21.51 4 Value-added Training 51.08 34.98 13.95 Corrective Action: The summary of above report was passed on to the Heads of Departments for taking necessary steps to improve the area(s) which needed further attention.

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
BTech	CSE, CS, IT, EC, EN, ME, CE, BT	900	1360	545
MBA	MBA	60	96	63
Mtech	CSE, BT	36	2	0
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2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2019	2453	120	172	18	4

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	Number of smart classrooms	E-resources and techniques used
190	153	54	54	1	17
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2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

Students Mentoring System: IMSEC has a planned mentoring system to support students of all categories for professional guidance, career advancement and individual personal problems affecting his/her performance. To monitoring the progress of students, we have specially designed and printed Counsellor Cards for individual students to record and monitor their complete academic progress. It helps us to know the reasons of personality, irregularity and academic related problems of the students, if any. Batch-wise groups of students are distributed amongst faculty members expert in counselling, with the consent of HOD. This mentoring process helps in: i. Understanding the family and academic background of student through one-to-one meetings. ii. Understanding the problems of students which they face due to change of residential place as well as areas in which the student needs motivation and guidance. iii. Monitoring their academic progress and daily attendance on records. iv. Ensuring extra academic help by mutual verbal agreement with related subject teachers. v. Sharing the academic progress with parents telephonically and through mail. vi. Counselling for all necessary actions towards skill development of the students at personal level. vii. Encouraging the students to attend PDPs (Personality Development Programs) for their all-round development. viii. Motivating students to appear for competitive examinations of their interest and to identify the programs and institutions where they can apply for a higher education. ix. Solving course work specific problems by guiding the students to take notes, previous year question papers and remedial classes from the concerned teacher. For laboratory specific problems, they are asked to repeat the experiments in the presence of teacher. x. It helps us in understanding the student in a better way. xi. Since lockdown period due to COVID'19 pandemic, monitoring of students is also being done online to give them support. Counselling also provided by their mentor teachers as and when required. The efficacy of mentoring system is analysed in terms of student's performance in sessional and pre-university test.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
2573	190	1:14

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
20	20	0	20	6

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

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

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-	Date of declaration of results of semester-
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			end examination	end/ year- end examination
Mtech	02	Odd Semester	05/01/2020	06/03/2020
BTech	04	Odd Semester	07/01/2020	17/02/2020
MBA	08	Odd Semester	05/01/2020	06/03/2020

[View File](#)

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

Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level: To improve the Continuous Internal Evaluation system, question papers, assignments, quizzes are prepared by the respective faculty members for all internal assessments like sessional examinations, internal viva-voce for laboratories. A. Departmental Initiatives: At department level, following initiatives have been taken to prepare quality assignments for all internal assignments: - Regular discussions on quality of assignments, quizzes, mini projects etc. - References are made to old question papers and books of good standard - Lab Manuals are prepared and followed up - Contents beyond syllabus are also included B. Implementation: Question papers of Internal Examinations: - Question papers are prepared by individual faculty. - Check of quality of question papers are done and final question papers are approved by HODs. - Common papers are required to be approved by Dean (Academic). Student Assignments: - Students are allocated assignments on weekly basis. - Assignments can be viewed/downloaded from portal. - Question banks are maintained and given to students by subject expert. C. Online Sessional Examinations and Viva-voce: - In view of the ongoing lockdown situation due to COVID'19 pandemic, Sessional Examinations and viva-voce were conducted online to safeguard the students. D. Analysis: Assignments: - Assignments of students are marked on portal. - Summary report of submitted and marked assignment is available in Director/Dean and HOD login. - HOD analyses the sample copies of checked assignments. Question papers of Sessional Examinations: - Answer sheets are cross evaluated. - Sessional result analysis is discussed at HOD and Director level - A comparative evaluation of students' performance is carried out. Laboratory assignments: - Viva-voce based evaluation is done for laboratory assignments

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

Academic Calendar: IMS Engineering College prepares a well organized Academic Calendar and also adheres to it. As this college is affiliated to Dr. A.P.J. Abdul Kalam Technical University, Lucknow, the Academic Calendar of the college is prepared in the line with University Calendar. The Academic Calendar of the college is prepared semester-wise i.e. prepared well in advance of the commencement of each semester and all academic and other programmes of the semester are run in accordance with the Academic Calendar. The Academic Calendar is very well defined and it includes all important academic and administrative programmes of the college like commencement of classes, number of teaching days, dates of class tests, dates of assignments, date of pre-university test, dates of important functions/ programmes the college would be organizing during the semester, list of holidays, tentative date/month of university examinations. The Academic Calendar of the college is uploaded on the college website and remains available there for the whole semester. The academic programmes of the college are strictly adhered to this Academic Calendar. Preparation of the Academic Calendar helps very much in streamlining the academic programmes and implementation of the same in a systematic way. All internal tests and examinations are conducted strictly according to the Academic Calendar. A well organized Academic Calendar is really very helpful to

the faculty as well as to the students in pre-planning of their academic work and preparation of the same in an effective manner. It provides a preview of the whole semester to the faculty as well as to the students.

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)

http://www.imsec.ac.in/computerscience_department.html

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
2018-19	MBA	MBA	44	34	77.27
2018-19	BTech	CSE, IT, BT, EC, EN, ME, CE	828	774	93.48
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2.7 – Student Satisfaction Survey

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

No Data Entered/Not Applicable !!!

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	1095	Science Engineering Research Board, Deptt. of Science Technology, Govt. of India, New Delhi	18.3	2.75
Major Projects	365	U.P. Pollution Control Board for Air Quality Monitoring at two places at Hapur City	8.72	8.72
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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

Entrepreneurship Awareness Camp	IT Department	14/02/2020
Seminar on "Harmful Effects of Single Use Plastic"	CE Department	12/09/2019
One-day workshop on "Embedded System and AVR"	EN Department	25/09/2019
Seminar on "Energy Conservation Efficient use of Energy Resources, Environment and Climate Change"	EN Department	17/10/2019
Workshop on "Software Testing"	CSE Department	19/10/2019
Workshop on "Machine Learning" (beginner track)	CSE Department	19/10/2019
Two-day Cyber Security Workshop	CSE Department	23/10/2019
One-day Workshop on PRUTER	ME Department	19/11/2019
Google Certified Digital Marketing Workshop	MBA Department	14/01/2020
Five Days Workshop on Robot Prototyping	ME Department	14/01/2020
Two-Days Workshop on "Internet of Things"	CSE Department	24/01/2020
Workshop on "Network Security"	IT Department	25/01/2020
Workshop on "Hands on Networking"	CSE Department	25/01/2020
Workshop on "Android Application Development"	CSE Department	08/02/2020
Workshop on 'Microanalysis of Financial Statements'	MBA Department	12/02/2020
Workshop on "Linux"	CSE Department	14/02/2020
Workshop on 'Risk Management Assessment'	MBA Department	22/02/2020
Workshop on "Ethical Hacking"	CSE Department	29/02/2020
Workshop on "Block Chain Technologies"	CSE Department	29/02/2020
Workshop on "Big Data Analytics"	CSE Department	29/02/2020
Workshop on "Importance of Values and Ethics in Human Life"	IT Department	29/02/2020

A workshop on "E-vehicle"	ME Department	29/02/2020
Workshop on 'Effective Communication and Boosting Employability'	MBA Department	02/03/2020
Workshop on "IMB SPSS"	MBA Department	03/03/2020
Workshop on "Introspection Self Improvement with the help of values and ethics"	IT Department	14/03/2020
Webinar on "Data Science 2020"	CSE Department	03/05/2020
Webinar on "Open Source Red Hat Certification"	IT Department	08/05/2020
Webinar on "Python"	EN Department	08/05/2020
Webinar on the topic entitled HYDROPONICS in fodder, wheat and paddy production	BT Department	09/05/2020
Webinar on "Post pandemic roadmap: Impact and Recovery in future"	MBA Department	12/05/2020
Webinar on the topic entitled HPLC: Its working principle and application in different fields of Life-sciences	BT Department	17/05/2020
Webinar Building Future Ethically, A Life Engineering Process" on 17th May 2020	ME Department	17/05/2020
Webinar on "Impact of corona on Marketing: Today and Tomorrow"	MBA Department	22/05/2020
Webinar on "Creativity Innovation"	CSE Department	28/05/2020
Webinar "Discussion on probable Career options and current Industry trends"	ME Department	30/05/2020
Webinar on "A rendezvous"	MBA Department	02/06/2020
Webinar on Career and Future Market for Industry 4.0 Design Engineers	ME Department	04/06/2020
Webinar on Gene-environmental interaction and etiology of human diseases: myth or reality?	BT Department	04/06/2020
Webinar on " Change in	MBA Department	06/06/2020

Placement and internship Scenario post Covid-19"		
Webinar on "Winning in the turns"	ME Department	06/06/2020
Webinar on "Career Journey - Mine till present, Yours towards the future"	CE Department	15/06/2020
Webinar on "Bringing out the best or the beast within"	MBA Department	16/06/2020
First Webinar from International Webinar Series	BT Department	18/06/2020
Webinar on the topic Recent Challenges in Power System	EN Department	19/06/2020
Second Webinar from International Webinar Series	BT Department	20/06/2020
Third Webinar from International Webinar Series	BT Department	26/06/2020
Webinar on the topic Recent Trends in Renewable Energy Generation and challenges in India	EN Department	27/06/2020
Webinar on Social Entrepreneurship: Opportunities Challenges"	MBA Department	27/06/2020

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
"Portal for farmers and Consumers"	Harsh Agarwal, Ankit Mishra, Arunav Dey and Aman Tyagi (CSE-3rd year)	Hackathon conducted by IPEC, Ghaziabad	13/02/2020	3rd Prize
"Smart Communications"	Azeemun Ali, Deepak Singh, Aman Verma (CSE-3rd year)	Hackathon conducted by IPEC, Ghaziabad	13/02/2020	2nd Prize
"Rechargeable Electro Bike"	ME2-4th year students	"Techtrix-2019" held at ITS Greater Noida	19/10/2019	3rd Rank along with cash prize of Rs.5,000/-
"Production of Fuel from Plastic"	Anushka Tyagi, Shafali Singh and Akruti Singh (BT-3rd year)	National Project Competition 2019 "Innovation Budge"	19/10/2019	Best Innovation Award and Prize of Rs.10,000/-

		organized by School of Engineering and Technology, Sharda University, Greater Noida		
"IOT based Controlling of Hybrid Energy System"	Mr. Shesh Narayan Tiwari, Mr. Shobhit Srivastava, Mr. Shubham Verma, Mr. Sudhanshu Dwivedi and Mr. Utkarsh Shahu, EN-final year mentored by Prof. Annu Govind	Technical Project Exhibition Fest "INNOTECH-2019" organized by KIET, Ghaziabad	30/11/2019	1st Prize and Cash Prize of Rs.6,000/-
Robo Race	Abhijeet Singh, Prabal Pratap and Prakhar Kumar (ME-2nd year)	GENERO'19 organized by ABES-EC Ghaziabad	14/10/2019	1st Position
Effi-Cycle 2019	Team - Manish Rai, Hemant Kumar, Irfan Ansari Md. Ashraf Ansari, Khushvanta Vashishtha, Hrithik Raj, Nipun Goyal, Ashwin Maurya, Rajjwal Pandey, Manish Kumar Singh, Abhishek Thakur, Dipanshu Chauhan under the mentorship of Prof. V.K. Saini and Mr. Am	Lovely Professional University, Phagwara, Punjab	01/10/2019	25th All India Rank
SAE-BAJA	TEAM IMPULSE" - Tarun Tyagi (Captain), Ujjwal Tripathi, Kunwar Kaustubh, Farddin, Kartik, Jatin Jain, Ujjval Saini, Prashant,	Chitkara University, Rajpura, Punjab	06/03/2020	1st Rank in Northern Region 14th Rank at National Level

	Shivam, Vibhu, Vikas, Adarsh, Aditya kumar, Arihant, Anurag, Yuvraj, Badruzzama, Pradhun, Anshuman, Peeyush, Prashant (ME st			
Online Programming Quiz Competition	Kishan Kumar Jaiswal (CSE-3rd year)	IIT Kanpur	06/02/2020	1st Position (from IMSEC)
Team Alvon	Azeemushan Ali, Arunav Dey (CSE-3rd year)	HASH CODE - a very popular International Coding Competition organized by Google	21/02/2020	All India Rank of 1889 and Global Rank 8393

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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
IMS Engineering College	TBIP (Technology Business Incubation Park)	Ministry of Small and Micro Enterprises, Govt. of India	In Own Home Pvt. Ltd.	Real Estate	13/01/2020

No file uploaded.

3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
No Data Entered/Not Applicable !!!		

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

Name of the Department	Number of PhD's Awarded
ASH	2
CSE	1
EN	1

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

Type	Department	Number of Publication	Average Impact Factor (if any)
International	CSE	18	1.75
International	EC	11	1.12
International	IT	2	0.50

International	MBA	3	4.72
International	EN	12	0.24
International	ME	10	0
International	BT	3	0
National	BT	1	0
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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
MBA	2
CSE	2
ME	11
EN	12
EC	2
BT	8
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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
Amalgam Of Biotechnology Computer Programming .	Shalini Mittal	International Research Journal of Computer Science (IRJCS), ISSN: 2393-9842, Issue 06, Volume 07 (June 2020), Page 167-170, Scientific Journal Impact Factor : 5.351 (2017), Under Evaluation (2020)	2020	0	IMS Engineering College, Ghaziabad	0
Intelligent and Adaptive Web Page Recommendation	Dhaka Vijaypal Singh RANI GEETA	World Wide Web (Springer)	2020	0	IMS Engineering College, Ghaziabad	0

ender System.	Pandey Upasana					
Inverted L Shaped Slotted MIMO Antenna with HWSIW	Baral R.N.	Telecommunications and Radio Engineering, Vol. 79, No. 2, pp. 143-148, April, 2020 (SCOPUS Indexed)	2020	1	IMS Engineering College, Ghaziabad	2
Arrhythmia detection based on time frequency features of heart rate variability and back propagation neural network.	Singh Ram Sewak, Barjinder Singh, Ramesh Kumar	Iran Journal of Computer Science, Springer, July 2019.	2019	1	IMS Engineering College, Ghaziabad	2
Isolation And Characterization of A Novel Agar-Degrading Bacterium, Microbacterium barkeri sp. SELA 4, FROM SOIL ENRICHED WITH LABORATORY AGAR.	Parashar Shomini, Kumar Narendra	Journal of Microbiology, Biotechnology Food Sciences, 9(1)	2019	0	Department of Biotechnology, IMS Engineering College, Ghaziabad	0
Low Cross-Polarization Improved-Gain Rectangular Patch Antenna.	Baral R.N.	MDPI International Journal of Electronics, Vol. 8, No. 10, pp. 1-13, October, 2019 (SCI Indexed)	2019	2	IMS Engineering College, Ghaziabad	3
Time-Frequency Investigat	Singh Ram Sewak, Chauhan	Vivechan International Journal	2019	0	IMS Engineering College,	1

ion of Heart Rate Variability and Respiratory Signal Using Adaptive Continuous Morlet Wavelet Transform.	R.P.S, Kumar Praveen, Sharma Lakhan Dev	of Research, Vol-10, Issue-2, 2019.			Ghaziabad	
Intangible Dimension of Service Quality and its Relationship with Customer Satisfaction: Ola Cabs in Delhi NCR	Awasthi Ashish	Business Studies (IJRBS) Vol 4 Issue 2, December 2019	2019	0	IMS Engineering College, Ghaziabad	0
Soft computing based techniques for comparative analysis of wind speed and power prediction.	Kumar Vijay, Pal Yash, Tripathi M.M.	Journal of Information and Optimization Sciences, Vol. 41, No. 1, pp. 1-11, 2020. (ESCI/ Web of science, Taylor Francis).	2019	0	IMS Engineering College, Ghaziabad	0
Bearing Health Assessment Using Time Domain Analysis of Vibration Signal.	Yadav Om Prakash, Pahuja G.L.	International Journal of Image, Graphics and Signal Processing (IJIGSP), Vol.12, No.3, pp.27-40, 2020. DOI: 10.5815/ijigsp.2020.03.04. (EBSCO-nonpaid)	2019	0	IMS Engineering College, Ghaziabad	0

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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
Influence of Friction Stir Welding Parameters on Mechanical Properties of dissimilar AA 7475 to AISI 304	Pankul Goel, Ankit Kumar Saxena	Materials Science and Engineering (IOP Publishing) doi:10.1088/1757-899X/802/1/012010	2020	3	0	IMS Engineering College, Ghaziabad
Influence of Friction Stir Welding Parameters on Mechanical Properties of dissimilar AA 7475 to AISI 304	Pankul Goel, Ankit Kumar Saxena	Materials Science and Engineering (IOP Publishing) doi:10.1088/1757-899X/802/1/012010	2020	3	0	IMS Engineering College, Ghaziabad
An Improved Wavelet-Based Signal-Denoising Architecture with Less Hardware Consumption	Pankaj Goel, Mahesh Chandra, Ankita Anand and Asutosh Kar	Applied Acoustics, Elsevier	2019	4	4	BITS, Mesra, Ranchi
Effect of HPA back-off and filter length on 256QAM	Balwant Singh Vinod Shokeen Rishi Ashthana	Telecommun. Radio Eng. ,vol. 78, issue 16, pp. 1445-1455, Nov 2019 (SCOPUS indexed)	2019	15	15	AMITY University
Effect of HPA back-off and filter	Balwant Singh Vinod Shokeen	Telecommun. Radio Eng. ,vol. 78, issue	2019	15	15	AMITY University

length on 256QAM	Rishi Ashthana	16, pp. 1445-1455, Nov 2019 (SCOPUS indexed)				
Inverted L Shaped Slotted MIMO Antenna with HWSIW	R.N.Baral	Telecommunications and Radio Engineering, Vol. 79, No. 2, pp. 143-148, April, 2020 (SCOPUS Indexed)	2020	1	1	IMS Engineering College, Ghaziabad
Low Cross-Polarization Improved-Gain Rectangular Patch Antenna.	R.N.Baral	MDPI International Journal of Electronics, Vol. 8, No. 10, pp. 1-13, October, 2019 (SCI Indexed)	2019	1	2	IMS Engineering College, Ghaziabad
Arrhythmia detection based on time frequency features of heart rate variability and back propagation neural network.	Singh Ram Sewak, Barjinder Singh, Ramesh Kumar	Iran Journal of Computer Science, Springer, July 2019.	2019	1	1	IMS Engineering College, Ghaziabad
Effect of Ni-20 mg treatment and machining parameters on surface quality of Al (1-4) Fe-IV-1Si alloys	Bibeka Nand Pathak, Pankul Goel	Materials Today: Proceedings (Elsevier) https://doi.org/10.1016/j.matpr.2019.12.062	2020	3	0	IMS Engineering College, Ghaziabad
Effect of Ni-20 mg treatment and	Bibeka Nand Pathak, Pankul	Materials Today: Proceedings (Elsevier)	2020	3	0	IMS Engineering College, Ghaziabad

machining parameters on surface4 quality of Al (1-4) Fe-IV-1Si alloys	Goel	https://doi.org/10.1016/j.matpr.2019.12.062			
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3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	178	235	20	18
Presented papers	15	2	0	0
Resource persons	1	2	0	0
No file uploaded.				

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
Village UBA Baseline Household Survey	Unnat Bharat Abhiyan	1	10
Seminar on "Fight Against Hunger" on 5th December, 2019	NGO - Robin Hood Army	6	42
Blood Donation Camp on 26th September, 2019	Rotary Club of Sahibabad, Ghaziabad	16	135
Underprivileged Kids Education	NGO - Wings of Hope	2	90
Observance of National Integration and Communal Harmony Week (19th - 25th November, 2019)	National Foundation for Communal Harmony (An Autonomous Organization under the Ministry of Home affairs, Govt. of India)	2	181
Seminar on "Environmental Management"	Unnat Bharat Abhiyan	3	0
Seminar on "Health, Nutrition, Sanitation and Environmental	Unnat Bharat Abhiyan	3	0

Pollution"

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

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
No Data Entered/Not Applicable !!!			
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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 activities	Number of students participated in such activities
Unnat Bharat Abhiyan "Convergence"	Unnat Bharat Abhiyan	Seminar on Health, Nutrition, Sanitation and Environmental Pollution	3	0
Unnat Bharat Abhiyan "Convergence - Basic Amenities"	Unnat Bharat Abhiyan	Seminar on Environmental Management	3	0
Unnat Bharat Abhiyan	Unnat Bharat Abhiyan	Village UBA Baseline Household Survey	1	10
Awareness program on "Fight Against Hunger" on 5th December, 2019	NGO - Robin Hood Army	Seminar on "Fight Against Hunger"	6	42
Blood Donation on 26th September, 2019	Rotary Club of Sahibabad, Ghaziabad	Blood Donation Camp	16	135
Programme of non-formal education and general literacy classes	NGO - Wings of Hope	Slum Kids Education	2	90
National Integration and Communal Harmony Week (19th - 25th November, 2019)	National Foundation for Communal Harmony (An Autonomous Organization under the Ministry of Home affairs,	Observance of National Integration and Communal Harmony Week	2	181

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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
Research	Dr. Meghna Singh	Science Engineering Research Board, Department of Science Technology, Govt. of India	1095
Consultancy	Dr. Neetu Goel & Dr. Narendra Kumar	Uttar Pradesh Pollution Control Board	365

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

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Training Program	Digital Marketing	ATS Learning Solution	14/01/2020	17/01/2020	25
Internship Program	Mobile App Development	Trinity Apps Pvt. Ltd.	26/07/2019	30/05/2020	3
Internship Program	Internship	Monteage Pvt. Ltd.	04/03/2020	31/07/2020	4
Internship Program	ABB Industrial Automation Centre	Rhythm Automation Control Pvt. Ltd. (A Channel Partner of ABB, India)	08/07/2019	02/08/2019	21
Internship Program	ABB Industrial Automation Centre	Rhythm Automation Control Pvt. Ltd. (A Channel Partner of ABB, India)	10/06/2019	05/07/2019	22
Project Work	VLSI and Embedded System Design	PinE Training Academy, C-56/28th, 3rd Floor, Sector-62, Noida, U.P. -201301	01/01/2019	30/06/2020	5

On-the-job training, project work	ABB Industrial Automation Centre	Rhythm Automation Control Pvt. Ltd. (A Channel Partner of ABB, India)	12/09/2019	20/02/2020	20
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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
Rhythm Automation Control Pvt. Ltd. (A Channel partner of ABB, India)	12/01/2019	Skilled and Job oriented training	64
Tevatron Technology	25/01/2019	Summer Training	30
Redhat Academy	01/05/2019	Summer Training	20
Track Invest	15/11/2019	Stock market simulation	123
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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
No Data Entered/Not Applicable !!!	

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Existing
Laboratories	Existing
Classrooms with LCD facilities	Newly Added
Classrooms with Wi-Fi OR LAN	Existing
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
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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
Vidya Library Management Software	Fully	2.0	2012

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	76782	24954150	0	0	76782	24954150
Reference Books	5346	1737450	0	0	5346	1737450
e-Books	0	0	1705	120000	1705	120000
Journals	91	222000	0	0	91	222000
e-Journals	3	675489	8	120000	11	795489
Digital Database	3	675489	8	120000	11	795489
CD & Video	1500	0	0	0	1500	0
Library Automation	1	62400	0	0	1	62400
Weeding (hard & soft)	1093	334111	12	4200	1105	338311
Others (specify)	20	0	0	0	20	0
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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
DR. PANKAJ AGARWAL	DESIGN ANALYSIS OF ALGORITHM	AKTU Digital Education	03/09/2019
MR. N.U. KHAN	DATA STRUCTURE	AKTU Digital Education	03/09/2019
DR. S.N. RAJAN	DATA BASE MANAGEMENT SYSTEM	AKTU Digital Education	03/09/2019
DR. AVDHESH GUPTA	DATA BASE MANAGEMENT SYSTEM	AKTU Digital Education	03/09/2019
DR. UPASANA PANDEY	DATA STRUCTURE	AKTU Digital Education	03/09/2019
MS. SWATI SINGH	DIGITAL LOGIC DESIGN	AKTU Digital Education	03/09/2019
MS. SHIVANI AGARWAL	DIGITAL LOGIC DESIGN	AKTU Digital Education	03/09/2019
MS. SAPNA YADAV	DESIGN ANALYSIS OF ALGORITHM	AKTU Digital Education	03/09/2019
MR. ANURAG MISHRA	DESIGN ANALYSIS OF ALGORITHM	AKTU Digital Education	03/09/2019
MR. N.U. KHAN	THEORY OF AUTOMATA AND FORMAL LANGUAGES	AKTU ERP	01/04/2020
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4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	1020	17	200	3	1	174	18	200	0
Added	60	1	0	0	0	0	0	0	0
Total	1080	18	200	3	1	174	18	200	0

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

200 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
MOOC Courses for Dr. A.P.J. Abdul Kalam Technical University, Lucknow	https://www.youtube.com/channel/UC-y-UTxSbPngyGgDzBKpI3A

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 incurred on maintenance of physical facilities
5	2.33	200	191.99

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)

Our college has well organized physical and academic support facilities. Mentioned below are procedures and policies for maintaining and utilizing physical, academic and support facilities: Laboratory: - Do's and Don'ts and safety rules are displayed laboratories. - Daily maintenance of cleanliness in each lab. - Calibration of equipments done internally/externally as applicable. - List of vendors for servicing of non-functioning instruments. - Fixation of electricity or light-related issues whenever required. - Separate racks for chemicals, glass wares and plastic wares. - Periodic revival and maintenance of microbial cultures. - Logbook for major equipments and Issues Register maintained in labs. - Record of Stock of non-consumables, consumables and breakage maintained. - Proper handling of hazardous waste through GLPs like neutralization, dilution, treatments for potential carcinogens (e.g. Et Br). - Sharps and liquid wastes are handled with adequate care. Library: - Our library has a rich collection of books covering all major fields of Science and Engineering. - The library is fully computerized by automating issue of books with bar code reader. - The library is fully air-conditioned. - The library has various facilities like Conferencing, Multimedia, Internet, Reprography and CD-ROM collection. - A book bank for deserving candidates is also maintained. - The college subscribes to most of the major technical journals including ASCE, ASME, IEEE, SCIENCE DIRECT, SPRINGER, EMERALD, TAYLOR FRANCIS, JSTOR McGraw Hill. - Multimedia computers with internet connectivity available for accessing CBT, CDs, e-books, e-journals etc. - Students can access library facility on

working days and holidays. Sports Complex: - The college has well maintained sports facilities in the campus like Gyms, indoor games, outdoor games facilities. - Separate Gyms for boys and girls well equipped with latest equipments. - Indoor game facilities include Table Tennis, Badminton, Carom Board etc. - Outdoor game facilities include Cricket, Football, Volleyball, Basketball etc. - Indoor and outdoor sports complex are well equipped with lights. - Well trained Sports Officer looks after sports facilities and activities of students - Gym trainer and students do exercises under guidance of the trainer like Do's and Don'ts, how to do and what to do etc. Computers: - The college has well equipped computer labs. - The computer and student ratio is 1:1. - 3 browsing centres (leach in boys girls hostels and central library). - Fully managed and complete campus with Wi-Fi network. - The college has internet gateway fully managed through Fortinate Gateway Security. - All faculty and staff cabins are equipped with laptops/computers. - All the computers are connected with high speed internet for faculty, staff. - Complete gigabyte network connected with managed network equipments. - All computer/labs maintained by well trained qualified technical team. Classrooms: - Classrooms are spacious, ventilated with sufficient sunlight. - Classrooms have well organized good quality furniture facility. - Classrooms are fitted with air-conditioners. - Most of classrooms are equipped with projectors. - Classrooms are Wi-Fi enabled. - Eco-friendly Solar Power used for lighting classrooms - Classrooms fitted with LED lights

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	Fifty percent tuition fee concession to the children of IMS Group employees and students securing ninety percent and above in 12th PCM and concession of Rs.25000 to Diploma holders	28	1023508
Financial Support from Other Sources			
a) National	U.P. Government Scholarship	711	40233625
b) International	0	0	0

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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
Language Lab	01/08/2019	543	Department Level Internal Activity (Basic Professional Communication

			Course to B.Tec - 1st year students)
Remedial Classes	16/09/2019	2573	Department Level Internal Activity
Soft Skill	10/02/2020	657	B.Tech - CSE and MBA by Priyanka Vohra and others by M/s Crescent Systems (brand name for training program is Global Voice)
Aptitude Training	05/08/2019	712	B.Tech final year - CSE, EC, CE by Zenith Consultants and others by Aptitude Ladder
Bridge Courses	01/08/2019	543	Department Level Internal Activity (15 days Bridge/Foundation courses in Mathematics, Basic Computer Science and Basic Electrical Engineering to B.Tech - 1st year students)
Yoga and Meditation	04/08/2019	260	Internal activity
Personal Counselling and Monitoring	05/08/2019	2573	Department Level - Mentor Internal Activity
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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 passed in the comp. exam	Number of students placed
2019	Placement Activities	770	648	56	577
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5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

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

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
TCS	179	68	Cognixia	11	2
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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2019	1	B.Tech	Computer Science & Engineering	IIT, Chicago	MS (Computer Science)
2019	1	B.Tech	Electronics Communication Engineering	University of Arizona	Masters Degree (MS) in Management Information Systems (MIS)
2019	1	B.Tech	Mechanical Engineering	IIT-BHU Varanasi	M.TECH (Ceramic Engineering)
2019	1	B.Tech	Civil Engineering	Fore School of Management, Delhi	PGDM
2019	1	B.Tech	Electrical & Electronics Engineering	NSIT Delhi	M.Tech
2019	1	B.Tech	Biotechnology	University of Michigan, USA	MS (Biomedical Engineering)
2019	1	B.Tech	Biotechnology	University of Strathclyde, Glasgow, Scotland	MS (Advanced Pharmacology)
2019	1	B.Tech	Biotechnology	IIT BHU, Varanasi	M.Tech (Biochemical Engineering)
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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	23
GMAT	1

CAT	1
Any Other	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
CSE Department organized Online Technical Poster Presentation on Covid-19 on 7th June, 2020	Institute Level	65
ME Department organized a Techno-Cultural event "Mechano 5.0" on 29th February, 2020. It included various competitions like Treasure Hunt, Poetry, Tatto Making, Poster Making, Robo War, Technical Quiz and many more.	Institute Level	150
IT Department organized Info-Merika associated by Info-corps Society and Tech-Ninjas 2.0 on 29th February, 2020.	Institute Level	90
"Smart Hacks-2020" in collaboration with IIT Kanpur on 31st January, 2020 8th February, 2020 by CSE Department	National Level	250
Inter College Sports held on 30th - 31st August, 2019	Institute Level	400
All India Sports Fest "Chakravyuh-2019" held on 19th - 20th, October, 2019	National Level	600
A Programming Contest named Code Raiders v6.2 on 16th August, 2019 - 1st Round (Online) and 19th August, 2019 (2nd Round) (Online) by The Code Raiders Club of CS Department	Institute Level	35
Special Yoga Classes held on 4th - 5th August, 2019	Institute Level	260
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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
2019	1st Prize in Carom in All India Sports Fest "Chak ravyuh-2019" organized at IMSEC, Ghaziabad on 19th - 20th October, 2019	National	1	0	1614321040	Ms. Arti Singh
2019	1st Prize in Cricket in All India Sports Fest "Chak ravyuh-2019" organized at IMSEC, Ghaziabad on 19th - 20th October, 2019	National	1	0	1714310002	Mr. Ujjwal and team
2019	1st Prize in 100 mtr Race in All India Sports Fest "Chak ravyuh-2019" organized at IMSEC, Ghaziabad on 19th 20th October, 2019	National	1	0	1714321115	Mr. Pranjal Malik
2019	1st Prize in Power Lifting in All India Sports Fest "Chak ravyuh-2019"	National	1	0	1514300059	Mr. Vinay Kumar

	organized at IMSEC, Ghaziabad on 19th - 20th October, 2019					
2019	Silver Medal by Football Team (Men's) on 4th - 5th November, 2019 at Christ Deemed University, Delhi	National	1	0	1614340116	Mr. Prakhar Ranjan and team
2020	2nd Position in Football (Men) in National Level Sports Fest "ATHE LEENA" organized at Subhash Chandra Bose Stadium, Delhi by Asian Business School, during 21st - 23rd January, 2020	National	1	0	1614340116	Mr. Prakhar Ranjan and team
2020	2nd position (Silver Medal) in Volleyball Annual Sports Meet at RKGIT, Ghaziabad	National	1	0	1614321056	Mr. Manan Gupta and team

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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)

Activity of Student Council representation of students on academic administrative bodies/committees of the institution: Academic Representation: The College has several student led councils (societies) like Byte Club, Code Raider Club, T-Code Club, Abhigyan, IMS Code Force (CSE Department) INFOCORP (IT Department) GEMS (Biotechnology Department) ENVINCIBLEs (EN Department) Mech-Edge Club and SAE INDIA Collegiate (ME Department) FACES Club (EC Department) HR Club, Marketing Club Finance Club (MBA Department). SRIJAN - a club for students of all branches. These student councils represent student group of that department through which the students take part and organize different types of activities in the college. BYTE society of the CSE Department, INFOCORP Society of IT Department, GEMS Society of Biotechnology Department are engaged in publication of monthly e-magazines of the departments namely BYTE, ITanium and Biovision respectively and also organizes various events of the departments. In these magazines students publish their various articles and are circulated amongst students community which subsequently help them to upgrade their knowledge and skills and make them aware of the latest developments in their fields. Code Raider Club organizes different Coding events for students which provide them opportunity to show their talents. T-Code Club organizes web events for the students. IMS Code Force Club organizes competitive events for the students. INFOCORP organizes various events for the students of IT Department. GEMS Society of Biotechnology department organizes different types of events for students like quizzes, paper presentation, lecture, plantation etc. ENVINCIBLEs of EN department, organizes different technical and cultural events of EN Department. Mech-Edge club of ME Department organizes different technical and cultural activities of the department whereas SAE INDIA Collegiate club is engage in preparation/development of BAJA Vehicles and taking part in the different events being organized at national/regional levels. Besides departmental activities, students also participate in organizing different big events of college like Cultural Fest, Technovation, Sports Fests etc. They participate in organizing committee, as volunteers etc. Students Class Representatives is an important student representation in academic activities of the college. They have their periodical meetings with Head of the Departments and Director. Academic feedback is taken through them and they also represent problems of their class, if any, and various decisions are taken based on their feedback for their improvement. Administrative Representation: Students also have their representation in some administrative activities like Students Mess Committee in hostels. There are separate students committees for Boys and Girls hostels. Students have good representation in the Mess Committees. They take part in deciding menu of their mess. Through this the students can discuss their hostel problems, if any, related to mess, hostel, food, cleanliness etc.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

No

5.4.2 – No. of enrolled Alumni:

2866

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

0

5.4.4 – Meetings/activities organized by Alumni Association :

Help in placement and Expert Lecture/Workshop etc.: Alumni Activities: • CSE Department organised an Alumni Talk by its Alumni, Mr. Abhishek Chaudhary,

Assistant Engineer, Power Grid Corporation of India on 21st August, 2019 for students. • CSE Department organised an Alumni Interaction Program on 28th September, 2019. • ME Department organised a Guest Lecture by its Alumni, Mr. Rohit Saraswat on 29th September, 2019 for students. • IT Department organised an event Go Green with the lead initiative of our Alumni, Mr. Vijit Gupta, Ms. Nisha Agarwal, Ms. Shivani Malik on 23rd November, 2019. • CSE Alumni Sport Meet: 26 Jan 2020 • BT Department organised an Alumni Webinar on 9th May, 2020 by its Alumni, Mr. Ashutosh Johri. • CSE Department organised an Alumni Expert Talk on 16th May, 2020. • CSE Department organised an Alumni Webinar on 17th May, 2020. • BT Department organised an Alumni Webinar on 17th May, 2020 by its Alumni, Mr. Ankit Sharma, Senior Research Scientist, Sun Pharmaceutical Industries Limited. • CSE Department organised an Alumni Speaks on 30th May, 2020. • ME Department organised an Alumni Webinar on 30th May, 2020 by its Alumni, Mr. Yogesh Garg, Senior Manager, LT MHPS Turbine Generators Pvt. Ltd. Surat, Gujarat. • ME Department organised an Alumni Webinar on 6th June, 2020 by its Alumni, Mr. Kartikey Dwivedi. • CE Department organised an Alumni Webinar on 15th June, 2020 by its Alumni, Mr. Moksh Bansal. • EN Department organised an Alumni Webinar on 19th June, 2020 by its Alumni, Dr. Jitendra Kumar, Assistant Professor, NIT Jamshedpur.

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)

Vision Our vision is to impart vibrant, innovative and global education to make IMS the world leader in terms of excellence of education, research and to serve the nation in the 21st century. Mission • To develop IMSEC as a centre of excellence in Technical and Management education. • To inculcate in its students the qualities of Leadership, Professionalism, Executive competence and corporate understanding. • To imbibe and enhance Human Values, Ethics and Morals in our students. • To transform students into Globally Competitive professionals. The College has a well-marked administrative and academic set-up conforming to the norms of the AICTE and University for smooth functioning of college.

1. Administrative Set-up: Management The IMS Engineering College is managed under IMS Society. The society has its Governing/Executive Council which takes care of the proper functioning of all its three campuses. The Council primarily takes care of strategic issues and provides advice on policy and contributes to the college-wise planning process. Director The Director is the Head of the Institute and looks after all the administrative and academic activities. He is responsible for academic planning, its implementation and streamlining of the academic processes. The Director ensures that regular day-to-day operations are conducted properly through various monitoring mechanisms. Registrar The Registrar works under guidance of the Director and looks after the proper execution of academic and administrative matter like enrolment of students, maintaining student records, keeping permanent record of marks and other university related works.

2. Academic Set-up: Deans/Heads of Department Dean (Academic) is the highest ranking academic official in the institution, next to the Director. The Dean (Academic) provides strategic direction, academic planning, leadership and administrative oversight to achieve the highest standards in engineering. HODs manage and develop the departments to ensure the achievement of the highest possible standards of excellence in all their activities. They are supported by faculty and staff members. Heads of Department exercise leadership demonstrate vision and empower others in order to deliver the agreed departmental strategy required for achieving the desired goals.

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	<p>A major part of admission i.e. 85 of approved intake comes through University Counselling i.e. Uttar Pradesh State Entrance Examination conducted by Dr. A.P.J. Abdul Kalam Technical University. 15 of admissions can be taken under Management/Direct admission quota. To improve the quality of students' intake, the college makes a wide advertisement campaign all over the state so that good quality students can be selected. The college tries to follow appropriate marks criteria for Direct Admission. They also have to go through a general test and viva process for admission and suitable stream/branch is allotted based on their choice and ability.</p>
Industry Interaction / Collaboration	<p>Industry interaction is an important part of academic activities and knowledge enhancement of students. Besides classroom learning, many experts from academic and industries are invited to deliver expert/guest lectures, seminars, workshops and to interact with our students/faculty. They share their expertise in the field with students/faculty, give them important tips for selection, guide them to choose their career etc. Students are sent for industrial visits from time-to-time to make them aware of industry processes, operation management and working environment which certainly provide them opportunities to learn a lot. Collaborations are done with industry for research and development training of students.</p>
Human Resource Management	<p>IMSEC has a well managed separate Human Resource Management Department. It maintains all the personal records of faculty and staff members. Appropriate leaves like Earned Leave/Vacation, Medical Leave, Casual Leave etc. are provided to the faculty and staff members. They are also provided Outdoor Leave for taking part in Quality Improvement Programmes, Short-Term Courses, Faculty Development Programmes, Seminars, Conferences etc.</p>

	<p>Appropriate reimbursement is given to the faculty and staff sponsored for such programmes. Appropriate opportunity is provided to faculty to enhance their qualification and Study Leave is provided for the same.</p>
<p>Library, ICT and Physical Infrastructure / Instrumentation</p>	<p>The college have a fully computerized automated issue of books with bar code reader. It's a fully air-conditioned library providing comfortable reading zone to its readers. It has various facilities of Conferencing, Multimedia, Internet, Reprography and CD-ROM collection. A book bank for deserving candidates is also available. The college subscribes most of the major technical journals including ASCE, ASME, IEEE, SCIENCE DIRECT, SPRINGER, EMERALD, TAYLOR FRANCIS, JSTOR McGraw Hill. Multimedia computers with internet connectivity are available for accessing CBT, CDs, e-books, e-journals. Library facility is available in working hours as well as on holidays as per requirement.</p>
<p>Research and Development</p>	<p>Faculty and students are encouraged for research work. They are encouraged to write and publish research papers and articles in the journals of national and international repute and present and publish papers in the Seminars, Conferences of repute. They are sent to attend Workshops, Seminars, Conferences to enhance their knowledge and update themselves with latest developments in their fields. A rich library having a good number of titles, journals, e-journals etc. is available in the college to refresh their knowledge and new developments. Our library also has a well equipped multi-media facility to access e-journals and online journals etc.</p>
<p>Examination and Evaluation</p>	<p>Internal examinations, class tests are conducted as per plan in a pre-defined way. University standard is followed in preparing the question papers of the internal examinations and class tests. The standard of the question papers is checked by HOD concerned and Dean (Academic). Conduct of the examinations is supervised by departmental Heads and Dean (Academic). Internal practical examinations are also conducted. Quality assignments are given to the students. A fair evaluation and marking is done to maintain the standard.</p>

Teaching and Learning	Quality planning is done and implemented in teaching-learning process. Subjects are allotted to faculty based on their expertise and subject choices which improves class delivery. A well defined academic calendar is prepared for each semester before the semester starts. Director, Dean (Academic), HODs pay proper attention to ensure the smooth conduct of academic activities. Meetings with departmental Heads are held to discuss and finalize action plan for coming semester. Monthly departmental meetings are held to monitor and evaluate the progress. Course files are prepared in pre-defined formats. Value addition programs are planned for coming semester.
Curriculum Development	IMSEC college is affiliated to Dr. A.P.J. Abdul Kalam Technical University, Lucknow, so curriculum is defined and prescribed by University. The College has to adhere to syllabus of the University. However, to enhance and update knowledge and employability of students, the college also makes extra efforts to provide various value added courses to students. We provide Soft Skills to enhance communication skill of students. To enhance their employability, Aptitude Training classes are conducted. Mock interviews are conducted for final year students. For this, college also hires outside agencies for training. Various competitive events, quizzes, presentations are also conducted from time-to-time.

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

E-governance area	Details
Planning and Development	General day-to-day correspondences - internal as well as external correspondences, call for meetings and minutes of the meetings are communicated electronically. Important data related to development is maintained electronically and retrieve as per need and necessity.
Administration	Most of the administrative works of the institute are being carried out online instead of paper work. The instituted maintains its own internal servers for data maintenance and communication. E-mail service is used for internal and

	external communication. All the computers are having internet facility.
Finance and Accounts	Our Finance and Accounts department is supported by latest accounting software. Electronic transactions are also done. Student fees is also accepted and remitted through electronic transactions.
Student Admission and Support	Student selection and admission process is carried electronically. Students' record is also maintained and internally distributed electronically through institute ERP System. Students' attendance and academic progress are maintained and made available to the students and their parents online through institute portal. Students' feedback is taken online.
Examination	We do maintain ERP server in the institute and also communicate to the affiliated University server on day-to-day basis like attendance of the students, sessional examination marks of the students etc. electronically.

6.3 – Faculty Empowerment Strategies

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

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
No Data Entered/Not Applicable !!!				
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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)
2020	Second Webinar from International Webinar Series conducted on 18-June-2020 by BT Department	----	26/06/2020	26/06/2020	10	0

2019	One-week FDP on "Python Programming" by CSE Department in collaboration with Learnkart Technology Pvt. Ltd. Bangalore	---	15/07/2019	19/07/2019	21	0
2019	One-week FDP on Data Analytics with special focus on Python by CSE Department in collaboration with IIT Roorkee	----	22/07/2019	26/07/2019	26	0
2019	International Conference on topic "Recent Advances in Non Conventional Energy Resources Using Solar Based Technologies" (RANSET 2019), organized by ME Department, IMS Engineering College, Ghaziabad.	-----	26/07/2019	27/07/2019	117	0
2019	Two-week Faculty Development Program on "Next Generation Materials	-----	16/12/2019	28/12/2019	15	0

	Manufacturing" organized by ME Department					
2020	National conference on the topic entitled " CRISPR-Cas as an emerging tool for Genome Editing" by BT Department	-----	22/02/2020	22/02/2020	18	0
2020	-----	Workshop on Importance of Values and Ethics in Human Life. Organized by: Infocorps Society of IT Department	29/02/2020	29/02/2020	0	17
2020	Ten-days Faculty Development on "Block Chain Technology" by CSE Department	----	08/06/2020	17/06/2020	46	0
2020	Virtual National Conference on "Recent Advancements in IT Computing" by IT Department	----	20/06/2020	20/06/2020	13	0
2020	First Webinar from International Webinar Series conducted on 18-June	----	18/06/2020	18/06/2020	10	0

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Department

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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
Faculty Development Program on Technical Education Quality Improvement Program Phase III organised by ABES Engineering College Ghaziabad under TEQIP-III AKTU	3	08/07/2019	12/07/2019	5
Faculty Development Programme on "Current Research Trends in Artificial Neural Network" organised by AKG Engineering College, Ghaziabad	2	08/07/2019	12/07/2019	5
One-week FDP on Data Analytics with special focus on Python by CSE Department	26	22/07/2019	26/07/2019	5
UKIERI AICTE Technical Education Leadership Development Programme held at AICTE, New Delhi	2	30/07/2019	02/08/2019	4
International Conference on topic "Recent Advances in Non Conventional	117	26/07/2019	27/07/2019	2

Energy Resources Using Solar Based Technologies" (RANSET 2019), organized by ME Department, IMS Engineering College, Ghaziabad.				
Two-week Faculty Development Program on "Next Generation Materials Manufacturing" ME Department	15	16/12/2019	28/12/2019	14
NPTEL-AICTE sponsored FDP on "Advancement in I.C. Engine" organized by IIT Chennai	2	03/12/2019	14/12/2019	12
FDP on Data Science Career Enrichment by MSME, ATAL at National Institute for Career Services, Noida	2	20/01/2020	24/01/2020	5
FDP on "Machine Learning and Data Analytics using Python" conducted by Electronics ICT Academy, IIT Roorkee	2	05/05/2020	13/05/2020	9
Two-days Workshop on "NBA Education Outcome Based Education" at UPID, AKTU Noida Campus	1	29/01/2020	30/01/2020	2
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
20	20	0	0

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
1. The college provides a Medical Insurance facility of 3 lacs per year to Professors/Associate Professors and their family and 2 lacs per year to Assistant Professors and their family without any charge from them. 2. The college provides lunch facility to all faculty at a very nominal charge. 3. The college provides 50 concession in tuition fees to their children studying in IMSEC.	1. The college provides a Medical Insurance facility of 2 lacs per year to Staff and their family (excluding employees covered under ESI scheme) without any charge from them. 2. The college provides lunch facility to all staff at a very nominal charge. 3. The college provides 50 concession in tuition fees for their children studying in IMSEC.	1. The college provides a Medical Insurance facility of 2 lacs per year for students on very nominal charge. 2. The college provides financial support to students going abroad for International Summer Research Internship. 3. Doctor's facility in the campus. 4. Ambulance facility in the campus. 5. Facilitates financial support to students through College Help Portal.

6.4 – Financial Management and Resource Mobilization

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

The institute maintains its financial accounts i.e. earning, day-to-day expenses etc. properly. To maintain its financial accounts in an organized way, the institute has appointed internal auditor. The internal auditor audits the day-to-day expenses etc. regularly on monthly or quarterly basis. The institute also has external audit system. It prepares its yearly balance-sheet which is audited by external auditor. The final balance-sheet is also uploaded on college website.

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
No Data Entered/Not Applicable !!!		
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6.4.3 – Total corpus fund generated

No Data Entered/Not Applicable !!!

6.5 – Internal Quality Assurance System

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

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

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

No Data Entered/Not Applicable !!!

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

1. Workshop: Support/non-teaching staff members are also given exposure to development programmes from time-to-time like a workshop on Importance of Values and Ethics in Human Life was organized on 29th February, 2020 for them.
2. COVID'19 Awareness: All the support/non-teaching staff members were also made aware of the impact of COVID'19 and were informed about the pre-cautions to be taken to safeguard themselves during ongoing COVID'19 pandemic situation.
3. Beyond Syllabus Exposure: They are given exposure to the experiments/knowledge beyond syllabus to enhance their knowledge and improvement.

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

1. Innovation: At IMSEC, we always try to create innovative spirit amongst our students. To encourage our students for making innovative working models, IMSEC has been organizing a two-days innovative exhibition namely "Technovation" for students in which around 100 selected working models made by students are exhibited to two days. This exhibition is inaugurated and prizes are distributed to the winners by eminent personalities from academia and industries. The working models are judged by external judges to select the winners. Science Stream students from reputed schools of Ghaziabad, Noida, Hapur surroundings also come to see this exhibition who, on the other hand, also get encouragement to something innovative in their life.

2. Student Publications: Student publication is a matter of great concern at IMS Engineering College. At IMSEC, students are always encouraged for publications in international and national journals of repute and helped by their faculty/mentors for writing good standard papers. They are provided a positive research and publication academic environment. They are provided with good academic resources, good stock of high standard books for enhancing their knowledge and creating a research and innovative mind amongst our students. IMSEC library is one of the best libraries in the region having good resource and academic facilities like reference books, journals, e-journals, multi-media facility etc. In 2018-19, the students published 61 papers in International Journals and 24 papers in National Conferences and in 2017-18, they published 72 papers in International Journals, 01 in National Journal, 03 in International Conferences and 04 in National Conferences.

3. International Internship: IMSEC tries to give best exposure to its students. For this, the college has collaborated with University of Louisville, Kentucky, USA to provide opportunity of 10 weeks International Summer Internship to its students. Under this programme in the year 2017, SIX of our B.Tech-3rd year students went for 10 weeks International Summer Internship at Conn Center for Renewable Energy Research, University of Louisville, USA and SIX of our B.Tech-3rd year students went for International Summer Internship in the year 2018.

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
2020	Faculty and students undergone	01/07/2019	01/07/2019	30/06/2020	613

	NPTEL/online courses.				
2020	Encouraging students for live innovative projects	01/08/2019	01/08/2019	30/06/2020	500
2020	Online Teaching-Learning Process	20/03/2020	20/03/2020	30/04/2020	2573
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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
Independence Day	15/08/2019	15/08/2019	65	176
Orientation Programme	01/08/2019	21/08/2019	148	395
Republic Day	26/01/2020	26/01/2020	74	194
Academic Activities (Head of Departments)	01/08/2019	30/06/2020	4	5
Academic Activities (Faculty)	01/08/2019	23/06/2020	73	117
Placement Activities (Students)	02/09/2019	30/06/2020	192	385

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

Percentage of power requirement of the University met by the renewable energy sources
The College has Solar Power capacity of 184 KV.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	0
Provision for lift	No	0
Ramp/Rails	Yes	0
Braille Software/facilities	No	0
Rest Rooms	Yes	0
Scribes for examination	Yes	0

Special skill development for differently abled students	Yes	0
Any other similar facility	Yes	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	1	1	05/08/2019	210	Programme of non-formal education and general literacy classes	Education and general literacy for under-privileged children of surrounding locality	92
2019	1	1	26/09/2020	1	Blood Donation Camp	Donated blood for the people who may be in urgent need.	151
2019	1	1	01/07/2019	60	Unnat Bharat Abhiyan	UBA Village Baseline Household Survey	11
2019	1	1	04/02/2020	1	Seminar on Environmental Management	To spread awareness regarding Environment Management amongst people of Village-Nahal, Ghaziabad	3

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

Title	Date of publication	Follow up(max 100 words)
No Data Entered/Not Applicable !!!		

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Human Value Promotional Program	01/08/2019	21/08/2019	500
Programme of non-formal education and general literacy classes	16/08/2019	12/03/2020	90
Independence Day Celebration (Theme - Patriotism and Communal harmony)	15/08/2019	15/08/2019	251
Teachers Day Celebration (Theme - Role of Teacher in promoting Human values and Ethics in students)	05/09/2019	05/09/2019	150
Blood Donation Camp	26/09/2019	26/09/2019	151
ISKON "Ethical quiz for promotion of human values and ethics"	28/09/2019	28/09/2019	45
Observance of Communal Harmony and National Integration Week	15/11/2019	25/11/2019	190
Republic Day Celebration (Theme - Patriotism and Communal harmony)	26/01/2020	26/01/2020	268
Self Investigation with process of value education. Organized by - EC Department	03/02/2020	03/02/2020	42
Right Decisions based on Right understanding, case study-suicide case of B.Tech. student after mental stress. Organized by: Infocorps Society of IT Department	07/02/2020	07/02/2020	38
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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

The college is well aware and has taken initiatives to make the campus eco-friendly. Following initiatives have been taken by the college: 1. The college has installed solar power energy plant. 2. Full campus lights have been changed

to LED lights to save power. 3. The college has planted sufficient numbers of plants to maintain good greenery in the campus. 4. The college has Rain Water Harvesting system in the campus. 5. The college has Sewer Treatment Plant in the campus. 6. The college make full re-use of treated water.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Two Best Practices at IMS Engineering College: 1. Student Publications: Student publication is a matter of great concern at IMS Engineering College. At IMSEC, students are always encouraged for publications in international and national journals of repute and helped by their faculty/mentors for writing good standard papers. They are provided a positive research and publication academic environment. They are provided with good academic resources, good stock of high standard books for enhancing their knowledge and creating a research and innovative mind amongst our students. IMSEC library is one of the best libraries in the region having good resource and academic facilities like reference books, journals, e-journals, multi-media facility etc. In 2018-19, the students published 61 papers in International Journals and 24 papers in National Conferences and in 2017-18, they published 72 papers in International Journals, 01 in National Journal, 03 in International Conferences and 04 in National Conferences. 2. Academic Result: At IMSEC, students are provided with all possible academic supports from their faculty and mentors like remedial classes, doubt clearing, personal counselling to enhance the performance of our students. These efforts have resulted in good performance of our students. IMSEC students bagged 02 Gold Medals, 03 Silver Medals and 08 University toppers in last five years in University Toppers lists. The college achieved, 9th Rank based on the performance in B.Tech-1st year result and 14th Rank based on performance in B.Tech-final year result in Dr. A.P.J. Abdul Kalam Technical University, Lucknow (affiliated University) VIBGYOR - Cumulative Performance Ranking of Institutes for the Session 2017-18 year released in 2019 and 29th 12th Rank for MBA First year and Final year respectively amongst all the institutions of Uttar Pradesh affiliated to the University. It also achieved, 8th Rank based on the performance in B.Tech-1st year result and 14th Rank in B.Tech-final year result in Dr. A.P.J. Abdul Kalam Technical University, Lucknow (affiliated University) VIBGYOR - Cumulative Performance Ranking of Institutes for the Session 2016-17 amongst all the institutions of Uttar Pradesh affiliated to the University.

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

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

IMS Engineering College is one of the premier technical institutes in India. It was established in 2002 with an objective of creating a pool of trained and world class technocrats to contribute towards the economic and social development of the country. The aim of the institute is to provide high quality technical knowledge and skills that addresses the changing needs of industries. The college has a sprawling campus and is meticulously planned in a number of functional building blocks separated by lush green lawns. IMSEC has an excellent and state-of-the-art infrastructure with the following salient features: • Well stocked and fully computerized library consisting of large number of books, e-journals, e-books and informative magazines, newspapers and it is one of the best libraries established by private colleges in NCR region.

• There is a Digital Language Lab for enhancing students' communication skills in the right perspective. • IMSEC campus, situated at NH-24, main highway road, is conveniently connected to all destinations in Delhi-NCR region. • To keep students physically and mentally fit, campus facilitates them with indoor sports like table tennis, chess, carom and many more are available for students' recreation and outdoor sports in lush green well maintained spacious play ground for playing cricket, football, basketball, volleyball, badminton etc. • The entire campus is CCTV secured. • Separate boys and girls hostel facility. • ATM booth. Two of our B.Tech students were - Ms. Chhavi Agrawal, B.Tech (Biotechnology) and Mr. Satyam Pratap Singh, B.Tech (Electrical Electronics Engineering) - were amongst Top Ten Toppers of the University bagging 2nd Position Silver Medal in Biotechnology Branch and 9th Position in Electrical Branch respectively in University Toppers of B.Tech-Final Year for the session 2018-19. The college sends and supports to its students for two months International Research Internship to University of Louisville, USA. The institute has a good track record in placement of its students. The students of IMSEC are proving themselves at National level in the field of technical innovations and knowledge by winning several National level competitions and awards. IMSEC achieved 9th Rank based on the performance in B.Tech-1st year result and 14th Rank based on performance in B.Tech-final year result in Dr. A.P.J. Abdul Kalam Technical University, Lucknow (affiliated University) VIBGYOR - Cumulative Performance Ranking of Institutes for the Session 2017-18 year released in 2019 and 29th 12th Rank for MBA First year and Final year respectively amongst all the institutions of Uttar Pradesh affiliated to the University.

Provide the weblink of the institution

8.Future Plans of Actions for Next Academic Year

1. Strengthen research 2. Encourage students for innovation project work leading to publication in reputed journal 3.Aim for getting consulting assignments 4. Engage Alumni in value addition activities of students