SELF STUDY REPORT

FOR

3rd CYCLE OF ACCREDITATION

IMS ENGINEERING COLLEGE

NH-24, ADHYATMIK NAGAR
201015
www.imsec.ac.in

Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

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1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

IMS Society, Ghaziabad was established in 1990 by some creative thinkers and cerebral to impart value-based education in a thought-provoking and novel milieu, favorable for the overall development of its students. Ever since its inception, the group has promoted entrepreneurship, new ideas, and technological innovations among its students to make them the future leaders of the professional world. The core values of the IMS Group include the belief in the individual as the primary vehicle for the initiative. The IMS Group aims at attracting diversity and providing it with an environment where it can flourish. The group promotes a culture of openness and change, where merit is the only criteria coexisting with teamwork. In order to promote engineering education, the society **established IMS Engineering College in 2002.**

Located strategically in the National Capital Region (NCR) in the heart of an active corporate community, **IMS Engineering College (IMSEC)** Ghaziabad is one of the **top-notch Engineering colleges in North India**, providing technical education and excellent employability prospects to its students. IMSEC Ghaziabad delivers the real-world experience one needs to succeed in today's competitive global marketplace. **B.Tech Program (Biotechnology)** is **accredited** by the **National Board of Accreditation (NBA) India**, which is a signatory of the Washington Accord. IMSEC has been **ranked 4th in North Zone** by the **Times of India** in **2020,11th in North India** "**Among Private Engineering Colleges**" by **India Today in 2019**, **13th** among the top **"Engineering Colleges of Eminence in India"** and **3rd** in **Uttar Pradesh** by **CSR-GHRDC Engineering College Survey 2019**.

The highly qualified and committed faculty, the state-of-the-art laboratories, Computer Centre and Learning Resource Centre, in campus hostel facilities, a fully CCTV secured and safe campus and the wholesome pedagogic ambiance provide the student the most exciting and gainful opportunities for the acquisition of knowledge and technical expertise to groom and orient the young minds.

The IMSEC's motto of imparting quality education is reflected by its academic results and placement. IMS Engineering College wants its students to become perfect adventurers, confident **technical experts, and determined path-finders in the 21st-century corporate global scenarios**.

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.**

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

- Backed by IMS Society which nurtures, nourishes, and grooms **future engineers and managers** with **professional excellence and humanized outlook**.
- Continuous **motivation and encouragement** from the management **for the achievement of the vision and mission** of the Institution.
- **NBA Accredited** (For Three Years) **Biotechnology Programme**
- IMS Engineering College is **NAAC Accredited** with **Grade 'A'** for **five years** for maintaining world-class education & infrastructure
- **Consistently ranked** amongst the **top engineering colleges in India** by reputed ranking agencies:

1. **Ranked 4th in North Zone** –by **The Times of India-2020**
2. **Ranked 11th in North India** among the top " **Private Engineering Colleges"-** by **India Today-2019**
3. **Ranked 13th** among the top **"Engineering Colleges of Eminence in India"-** by **Competition Success Review-2019**
4. **Ranked 3rd in Uttar Pradesh** by **Competition Success Review-2019**

- Highly **effective Teaching-Learning system** equipped with **air-conditioned classrooms**, **ICT facilities**, **modern laboratories,** and full-fledged **computerized Library** including the **Digital Library**
- Highly effective **mentorship system**
- **Beyond syllabus topics/experiments** and **Foundation Course** is the part of Teaching-Learning Process
- Regular classes for **soft skills development** and **overall development** of the students through regular **Co-curricular** and **Extracurricular** activities.
- **Internationally recognized industry-relevant training programs to boost employability** through **Centre of Excellence / Centres like**

- ABB Industrial Automation Centre
- Texas Instruments Embedded System Centre
- Centre of Robotics & Automation
- Centre of Excellence for VLSI & Embedded System

- **Excellent placement records** year after year.
- Students are good at **organizational capabilities**
- There exists a system of **Feedback by students**
- **Parents are** regularly **informed** about the **performance of their wards** twice a semester and their feedback is taken **for corrective actions**.
- **Highly effective student support system -**Outdoor & Indoor Sports Complex, Gymnasium, Computer Lab, Music Club, Medical Facility, Library, Girls Common Room, etc
- **Alumni** of the college are occupying **senior positions** in PSUs, R&D organizations, and eminent national/multinational companies
- An active **Entrepreneurship Development Cell** is headed by a senior Professor to mold the students to become entrepreneurs.

Institutional Weakness

- The College is affiliated with Dr. APJ Abdul Kalam Technical University, Lucknow and hence has **limitations in upgrading the curriculum as per the requirement of the industry** promptly.
- **Resource mobilization** from Government and Non-Government organizations **for research is limited.**
- Focus for Research & Development, Consultancy, Trainings needs to be enhanced at the institutional level through **MoUs and collaborations with the other organizations**.

Institutional Opportunity

- IMSEC is situated at Ghaziabad in National Capital Region and is surrounded by the Industrial Hub of Noida, Delhi, Faridabad, and Gurgaon. The region has flourishing multinationals in the fields of IT, Manufacturing, Electronics, Automobile, and other industries, which provides **ample placement opportunities**.

- Being adjacent to Delhi there is tremendous opportunity to interact, explore, liaison, and **attract Sponsored Projects** of DRDO, CSIR, DST, DMRC, MSME, and other organizations.

- There is huge potential for **Academic Collaboration including Research** with institutions of international repute like IIT Delhi, JNU Delhi, Delhi University, Delhi Technological University, Jamia Millia Islamia University, etc.

- To **boost employability Industry Oriented Training** may be imparted by setting up of **Centre of Excellence**, as the **necessary expertise in almost all the latest technologies is available** in this region.

- Due to cosmopolitan culture, fast-growing region, and availability of reputed educational groups, **better quality students are available**.

- Because of its proximity to International Airport, **academic tie-up and collaboration with foreign universities** can be explored.

Institutional Challenge

- **Exploiting the available opportunities** by meticulous planning and execution in the minimum timeline is the biggest challenge.

- Coping with rapid changes in technology and the industrial requirements, **to prepare Industry Ready Graduate**, is yet another challenge for an Institution affiliated with a University.

- **Placement** in **Core Companies**.

- To **develop an eco-system** to **create Entrepreneurs.**

- Declining **availability of quality faculty**, **doctorates** as well as exposing the teaching faculty to the industrial scenario and get them trained in an industry **is another challenge**.

- Changes in the **aspiration, unpredictable, and declining quality** of students.

- **Declining numbers of admission** over the past few years are the biggest threats to face.

- Changing **Social & economic scenario, natural calamities** leading to unpredictable future.

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

Being affiliated college of Dr. A.P.J. Abdul Kalam University (AKTU), we followed the curriculum as designed by the university has no control over the curriculum design. Some of the faculty members of our college are on the board of studies (BOS) of AKTU. The curriculum overall is comprehensive and covers most of the recent contents, still, some gaps are there related to the actual trends of modern industry. We tried to bridge these gaps through the various value-added program offered to the students after identifying through the feedback or suggestions received from various stakeholders.

The departments regularly organize value-added training, workshops, guest lectures from academic and industry experts to enrich the knowledge of students beyond the course curriculum. The majority of the students actively participating in these value-added training and other related events & activities. This helps in achieving good academic results and student placements. In addition to technical aspects, the curriculum also offers courses that help in lifelong learning such as professional ethics, gender sensitization, human values, environment, and sustainability.

The course content of the curriculum is effectively delivered by well-qualified and experienced faculty members. Faculty members use the ICT tools and latest pedagogy that increases the learning experience of the students. There is a feedback system is in place for the curriculum delivery to ensure the quality of education as per the latest trends. College puts best effort to ensure that each student after graduating from our college contributes significantly to society and country.

Teaching-learning and Evaluation

IMS Engineering College is considering working professionally to improve the effectiveness in the Teaching, Learning, and Evaluation Processes. The well-qualified and dedicated faculty members work together with other support staff to inculcate students' centric learning culture developing professionalism, traditional values, etc. The student-centric modern pedagogies include experiential, individual, participative, and collaborative learning that cater to the diverse needs of the students.

The usage of ICT tools like PowerPoint presentations, video animations, online simulations, and other E-Content, Online quizzes, and other assessment tools help in the proper learning environment for the students. The college follows the concept of Outcome-Based Education, the PEOs, and PSOs are well defined for all the programs, whereas POs adapted from the NBA. COs of the courses are adapted from the university curriculum, if not mentioned in the curriculum defined by the concerned program. The examination process adapted as per the recommendation of affiliating university. A well-defined process is used to identify advance and slow learners and necessary steps are taken for their specific needs. The attainments of the COs and POs of each program are calculated using a well-defined process.

At the college level, the internal assessment is carried out to check the progress of students, and the assessment system is made robust and transparent with clear guidelines. Mentor-Mentee system is in place to support students by counseling and guidance to their academic progress. A student feedback system is used to evaluate the Teaching-Learning Process and thereby necessary corrective measures are taken.

Research, Innovations and Extension

The College promotes research, innovation, and extension activities to students and faculty members and encourages faculty and students to undertake in-house and collaborative research projects. The faculty members and students are also promoted to publish papers in refereed journals and conferences. College also motivates our faculty members to organize and attend workshops, seminars, conferences, etc. to enhance and update their technical knowledge. The college also encourages establishing linkages with industry and academia in the form of MOUs. Few faculty members also received research and consultancy grants from Govt./non-Govt. organizations in last year's. The college organizes a college-level technical fest "Technovation" every year to inculcate innovation culture among the students. Around a hundred technical projects from all branches were displayed at the event. College also promotes students to take participate in inter-college technical fest organized by other institutions.

IMS Engineering College organizes and participates in various extension activities to promote the College-Neighborhood-Community network. Major emphasis is given on student engagement, service orientation, and the holistic development of students contributing to good citizenship.

Students actively participated in slum kid's education programs which run throughout the year in collaboration with NGO – Ummedon Ko Pankh Foundation (Wings of Hope). The weblink of NGO is http://wingsngo.co.in**.**

Students teach the kids and are great mentors to them teaching them life skills, preparing them for life ahead by inculcating the habits of teamwork, cooperation, and healthy competition. Students organize various events such as sports events, and co-curricular activities throughout the year for the kids. They learn the concept of aiding help to society in a variety of ways. The objective of this club is to make youngsters sensitive to their surroundings and practical understanding of concepts of human values. These are the ongoing activities carried by our students every year.

Our students wholeheartedly participate in blood donation events organized in the college every year. The mass participation shows their inner values of harmony and mercy.

Unnat Bharat Abhiyan aims to enable higher educational institutions to work with the people of rural India in identifying development challenges and evolving appropriate solutions for accelerating sustainable growth.

Infrastructure and Learning Resources

The College has a state-of-the-art infrastructure including classrooms, seminar halls, Auditorium, laboratories, Computing facilities, and hostel accommodation for boys and girls. The Classrooms, seminar halls, labs are air-conditioned and equipped LCD projector with Wifi. The computing facilities and other lab equipment are regularly upgraded as when as required to meet industry-based learning. The college also has automated LMS software in the central library to manage the library resources. The College promotes the use of digital platforms for learning resources such as NPTEL, E-journals, etc. The college has a total of 1304 computers for

student usage and maintained a good student-computer ratio as prescribed norms of AICTE. The internet bandwidth of the college is 200 MBPS that provides internet service to all students as well as employees. The college provides a printing facility to the entire department through an HP printer. The large campus of 10.45 Acres, has various outdoor as well as indoor sports facilities, outdoor facilities like football court, basketball, tennis, volleyball, Lawn tennis court, etc., and indoor games like Carom, Chess, table tennis badminton, etc. Considering the Physical fitness of students college has set up gymnasiums in hostels, equipped with modern facilities.

Student Support and Progression

The college provides support to the students in various ways that help in the progression of students. The college ensures the employability enhancement as well as the overall holistic development of students. The college has a well-established support system to assist the students for the various Government/ Non-Government scholarships through the registrar's office. The college has a dedicated Centre Development Centre (CDC) for the training and placement of students. The CDC team organized the training to students for their overall personality development that helps in employability and placements. The CDC team regularly putting their efforts to increase placement not only in terms of the number of offers, but also increase the average package and the highest package offered. Those students, who are interested to pursue higher education, are provided suitable guidance. The college also promotes students' participation in co-curricular, extra-curricular activities by organizing such events at college and department levels. The college has several student clubs under the guidance of faculty members. The cultural and sports fests at the department and college level are organized by the students under these clubs. The students also have suitable representation in the department and college-level committees.

Governance, Leadership and Management

Our Management is highly committed and dedicated to the service of catering to the contemporary requirements of higher education. The Management provides the required infrastructure for the proper functioning of the college. There is a Quality Policy for the college. The responsibilities of each member are communicated to the faculty through regular staff meetings. The Top Management, Director, and faculty of the college are committed to plan, implement, document, and continually improve effectiveness through a Quality Management System. The Top Management is committed to ensuring conformity and compliance to international standards. Quality Policies are framed and driven by the needs of the corporate world, society, and stakeholders. The Internal Quality Assurance Cell (IQAC) and other college-level committees play a significant role in the progressive growth towards its mission. The College has a defined structure at various levels of academics and administration with defined Roles and Responsibilities. The college practices transparent and participative governance and believes that everyone has a chance to contribute towards the strengthening of the college. Transparency is ensured by placing organizational structure, rules, regulations, and procedures pertaining to recruitment, service, promotions, and grievance in service rules at college ERP. A comprehensively designed appraisal system is in place for faculty members. Staff Welfare schemes such as EPF, ESIC, Mediclaim are available for staff members. The college has established an Internal Quality Assurance Cell which plays a major role in inculcating quality culture.

Institutional Values and Best Practices

IMS Engineering College strongly believes in imparting value-based and outcome-based education. We impart important values in students such as environmental consciousness, sustainable waste management practices, and professional ethics. The faculty and other Staff members play their role to remain a clean, healthy, and safe place for all. The rooftop of the college is installed with Solar Plants as an alternative energy source as it believes that a proper eco-system needs to be created by practice. Other than this, the institute also wheels power to the grid. The Energy Audit, green and environmental audits are done and all the relevant policies and suggestions are strictly implemented. In addition, the waste management and proper sanitization of the campus are taken care of by the administration. The code of conduct for all is well documented and is disseminated through proper channels periodically. The anti-ragging committee and grievance redressal committee ensures adherence to the code of conduct in the institute. The best practices of college (Mentorship and teaching-learning process) that have yielded excellent Institute's distinctiveness performance lies in overall knowledge enhancement & professional development of students, with which the institute strives to generate competent professionals and global citizens, who are informed about the needs of society and make the world a better place to live in.

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	IMS ENGINEERING COLLEGE
Address	NH-24, Adhyatmik Nagar
City	Ghaziabad
State	Uttar pradesh
Pin	201015
Website	www.imsec.ac.in

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Director	Vikram Bali	0120-4940000	9821396584	0120-4940094	director@imsec.ac.in
IQAC / CIQA coordinator	Siddhi Nath Rajan	0120-4940017	8586969255	0120-0	naac@imsec.ac.in

Status of the Institution	
Institution Status	Private and Self Financing

Type of Institution	
By Gender	Co-education
By Shift	Regular

Recognized Minority institution	
If it is a recognized minroity institution	No

Establishment Details	
Date of establishment of the college	05-06-2002

University to which the college is affiliated/ or which governs the college (if it is a constituent college)		
State	**University name**	**Document**
Uttar pradesh	Dr Apj Abdul Kalam Technical University Uttar Pradesh Lucknow	View Document

Details of UGC recognition		
Under Section	**Date**	**View Document**
2f of UGC		
12B of UGC		

Details of recognition/approval by stationary/regulatory bodies like AICTE,NCTE,MCI,DCI,PCI,RCI etc(other than UGC)				
Statutory Regulatory Authority	**Recognition/Approval details Institution/Department programme**	**Day,Month and year(dd-mm-yyyy)**	**Validity in months**	**Remarks**
AICTE	View Document	15-06-2020	12	

Details of autonomy	
Does the affiliating university Act provide for conferment of autonomy (as recognized by the UGC), on its affiliated colleges?	No

Recognitions	
Is the College recognized by UGC as a College with Potential for Excellence(CPE)?	No
Is the College recognized for its performance by any other governmental agency?	No

Location and Area of Campus				
Campus Type	Address	Location*	Campus Area in Acres	Built up Area in sq.mts.
Main campus area	NH-24, Adhyatmik Nagar	Rural	10.45	42306

2.2 ACADEMIC INFORMATION

Details of Programmes Offered by the College (Give Data for Current Academic year)						
Programme Level	Name of Programme/Course	Duration in Months	Entry Qualification	Medium of Instruction	Sanctioned Strength	No.of Students Admitted
UG	BTech,Civil Engineering	48	Intermediate	English	30	0
UG	BTech,Computer Science And Engineering	48	Intermediate	English	240	238
UG	BTech,Computer Science And Engineering	48	Intermediate	English	90	89
UG	BTech,Biotechnology	48	Intermediate	English	120	37
UG	BTech,Mechanical Engineering	48	Intermediate	English	60	5
UG	BTech,Information Technology	48	Intermediate	English	120	81
UG	BTech,Electronics And Communication Engineering	48	Intermediate	English	90	6
UG	BTech,Electrical And Electronics	48	Intermediate	English	60	4
PG	Mtech,Comp	24	Graduation	English	9	0

	uter Science And Engineering						
PG	Mtech,Biotechnology	24	Gradution	English	9	3	
PG	MBA,Mba	24	Gradution	English	120	29	
Doctoral (Ph.D)	PhD or DPhil,Biotechnology	0	Post Graduation	English	3	0	

Position Details of Faculty & Staff in the College

	Teaching Faculty											
	Professor				**Associate Professor**				**Assistant Professor**			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				0				0				0
Recruited	0	0	0	0	0	0	0	0	0	0	0	0
Yet to Recruit				0				0				0
Sanctioned by the Management/Society or Other Authorized Bodies				21				38				154
Recruited	8	3	0	11	13	5	0	18	88	66	0	154
Yet to Recruit				10				20				0

Non-Teaching Staff				
	Male	**Female**	**Others**	**Total**
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				60
Recruited	50	10	0	60
Yet to Recruit				0

Technical Staff				
	Male	**Female**	**Others**	**Total**
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				22
Recruited	21	1	0	22
Yet to Recruit				0

Qualification Details of the Teaching Staff

Permanent Teachers									
Highest Qualification	**Professor**			**Associate Professor**			**Assistant Professor**		
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	8	3	0	8	3	0	14	14	0	50
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	5	2	0	74	52	0	133
UG	0	0	0	0	0	0	0	0	0	0

Temporary Teachers									
Highest Qualification	**Professor**			**Associate Professor**			**Assistant Professor**		
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0
UG	0	0	0	0	0	0	0	0	0	0

Part Time Teachers										
Highest Qualification	**Professor**			**Associate Professor**			**Assistant Professor**			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt/ LLD/DM/M CH	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0
UG	0	0	0	0	0	0	0	0	0	0

Details of Visting/Guest Faculties				
Number of Visiting/Guest Faculty engaged with the college?	**Male**	**Female**	**Others**	**Total**
	0	0	0	0

Provide the Following Details of Students Enrolled in the College During the Current Academic Year

Programme		**From the State Where College is Located**	**From Other States of India**	**NRI Students**	**Foreign Students**	**Total**
UG	Male	347	42	0	0	389
	Female	94	7	0	0	101
	Others	0	0	0	0	0
PG	Male	12	2	0	0	14
	Female	16	6	0	0	22
	Others	0	0	0	0	0
Doctoral (Ph.D)	Male	0	0	0	0	0
	Female	0	0	0	0	0
	Others	0	0	0	0	0

Provide the Following Details of Students admitted to the College During the last four Academic Years

Programme		Year 1	Year 2	Year 3	Year 4
SC	Male	10	13	23	24
	Female	7	8	2	8
	Others	0	0	0	0
ST	Male	1	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
OBC	Male	103	123	127	161
	Female	33	40	37	39
	Others	0	0	0	0
General	Male	281	311	328	363
	Female	128	125	89	137
	Others	0	0	0	0
Others	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
Total		563	620	606	732

Extended Profile

1 Program

1.1

Number of courses offered by the Institution across all programs during the last five years

2019-20	2018-19	2017-18	2016-17	2015-16
386	362	362	362	361

File Description	Document
Institutional data prescribed format	View Document

1.2

Number of programs offered year-wise for last five years

2019-20	2018-19	2017-18	2016-17	2015-16
12	13	13	13	12

2 Students

2.1

Number of students year-wise during last five years

2019-20	2018-19	2017-18	2016-17	2015-16
2576	2857	3092	3164	3296

File Description	Document
Institutional data in prescribed format	View Document

2.2

Number of seats earmarked for reserved category as per GOI/State Govt rule year-wise during last five years

2019-20	2018-19	2017-18	2016-17	2015-16
498	516	516	576	576

File Description	Document
Institutional data in prescribed format	View Document

2.3

Number of outgoing / final year students year-wise during last five years

2019-20	2018-19	2017-18	2016-17	2015-16
769	873	884	700	828

File Description	Document
Institutional data in prescribed format	View Document

3 Teachers

3.1

Number of full time teachers year-wise during the last five years

2019-20	2018-19	2017-18	2016-17	2015-16
155	169	181	187	183

File Description	Document
Institutional data in prescribed format	View Document

3.2

Number of sanctioned posts year-wise during last five years

2019-20	2018-19	2017-18	2016-17	2015-16
240	191	198	218	216

File Description	Document
Institutional data in prescribed format	View Document

4 Institution

4.1

Total number of classrooms and seminar halls

Response: 68

4.2

Total Expenditure excluding salary year-wise during last five years (INR in Lakhs)

2019-20	2018-19	2017-18	2016-17	2015-16
1083.01	1401.11	1890.04	1843.08	1283.58

4.3

Number of Computers

Response: 610

4. Quality Indicator Framework(QIF)

Criterion 1 - Curricular Aspects

1.1 Curricular Planning and Implementation

1.1.1 The Institution ensures effective curriculum delivery through a well planned and documented process

Response:

Preparation of Academic Calendar: At the beginning of each academic year, the academic calendar is prepared at the college level incorporating curricular, co-curricular, and extracurricular events in alignment with the University academic calendar.

Library books Upgradation: The library is informed of required textbooks, reference books, and e-journals for the forthcoming semester/academic year.

Course Allocation: Courses are allocated to the faculty members based on their expertise & subject preferences by the Head of the department (HOD) and approved by the Director.

Time Table Preparation: Class-wise timetables also include time slots for MOOCs, Project, Industrial Training presentations, Seminars, counseling sessions & library. Time table for lab courses is prepared separately. Individual faculty timetables are prepared to reflect/her complete workload.

Design and Dissemination of Course Plan: Each faculty member prepares a detailed course plan including the textbook (s), reference book(s), web resource(s), and ICT tool(s) to be used for each topic. It also includes the topics to be covered beyond the curriculum which is then disseminated to the concerned students after approval of the Head of the Department.

Preparation of Course file: Each faculty member prepares the course file which includes the timetable, lecture plan, course outcomes, mapping of course outcomes with program outcomes & program-specific outcomes, attainment levels and targets, identified curriculum gaps, corrective actions, unit wise notes, previous question papers, and previous performances. After the completion of the semester, it is updated with analysis of students' feedback, attainment of COs, POs & PSOs, and justifications for non-attainment of COs, POs, and PSOs (if any).

Content Delivery: Uses new and innovative teaching techniques. In addition to the traditional lecture, the method is adopted to deliver the content. Learner-centric techniques such as peer learning, collaborative learning, group discussion, video lectures, quizzes, etc., are employed to encourage students' active participation.

Tutorial/Assignments: Faculty prepare the tutorial sheets and their solutions for the mathematical subjects which include previous university questions & other important questions given in competitive examinations. Assignments are duly uploaded on the college portal & are checked on the college portal after submission by students.

Reviews: Periodical review on the syllabus's coverage and regularity of the students is taken by the

HOD/Dean Academic followed by Director. Suggestions are invited for the improvement of the teaching-learning process through regular meetings with Class Representatives (CRs).

Assessments: As per the regulations of the affiliated university, the assessment is in two ways:

1. **Internal Assessment (50 Marks):** There are three internal assessment tests (CT1, CT2, PUT), the first test (CT1) after six/seven weeks of the commencement of the semester, second test (CT2) after a week or two from the CT1 (on every Monday & Saturday) and the third test PUT (Pre-University Test) after the last working day of the semester. The breakup for 50 marks is -Best of CT1/CT2 plus PUT i.e., test marks are of 30 Marks, Assignments & Attendance each of 10 Marks
2. **External Assessment (100 Marks):** The external assessment is based on the semester-end examinations conducted by the university.

File Description	Document
Link for Additional information	[View Document](#)

1.1.2 The institution adheres to the academic calendar including for the conduct of CIE

Response:

The concerned officials prepared the calendar at the beginning of each semester in line with the University's calendar consisting of various curricular, extra, and co-curricular activities. The calendar is uploaded on the college website, displayed on notice boards, and is communicated to students through emails. It is updated and revised concerning any changes suggested by the university.

All the classes and examinations are planned as per the calendar, thus ensuring complete adherence.

Compliance of Continuous Internal Evaluation with Academic Calendar-

1. **Classes and Lab time-table –** Time table Coordinator of each department prepares the timetable as per the guidelines of the affiliating university for the number of credit hours for each subject and the academic calendar before the start of the semester. Time-table is uploaded on the college portal (ERP) and displayed on notice boards of every department.
2. **Course files and Lecture Plan-** After the allocation of subjects to faculty, the course file of each subject is prepared consisting of a detailed teaching plan. It also contains the assignments to be uploaded on every scheduled date of the academic calendar. This course file is duly approved by the Head of the department.
3. **Internal Examinations-** The dates of CT1, CT2, and Pre-University Exam are mentioned in the academic calendar. The detailed Examination schedule is announced in advance, by Dean (Academics) & respective HODs. To maintain further compliance, exam sheets are checked within three days after the commencement of each examination. In the case of labs and projects, internal viva and practical exams are conducted by respective departments before/after the pre-university examinations.
4. **Question Paper Setting-** The question paper of internal exams is prepared by concerned faculties and is approved by the head of the department. The Dean Academic selects question papers for

common subjects out of a pool of papers prepared by all concerned faculties.

5. **Exam sheets evaluation-** The answer sheets are cross-checked in each department to ensure a transparent and unbiased evaluation.

6. **Assignments and Quiz** - In addition to the tests, assignments and quizzes are also part of Continuous Internal Evaluation. Assignments are provided to students on the scheduled dates mentioned in the academic calendar and solutions are submitted by students within three days. Every teacher conducts regular class tests consisting of MCQs on the related topic for practice and revision with the help of Google forms.

7. **University Exams**- The tentative dates for university exams are indicated in the academic calendar. The final university exam schedule is also displayed on students' notice boards.

8. **Student feedback** – At the end of the academic session students submit their feedback for each subject through online feedback forms maintaining complete anonymity

9. **Academic Monitoring**- Each Head of the Department maintains a monthly monitoring report on course coverage, student attendance, and assignment provided for every subject. Remedial classes are conducted for weak students in mathematical/conceptual subjects.

10. **Amendments**- In case of unseen conditions, the academic calendar is modified and revised as per the instructions of the Director of the Institute only.

File Description	Document
Link for Additional information	[View Document](#)

1.1.3 Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the last five years

1. **Academic council/BoS of Affiliating university**
2. **Setting of question papers for UG/PG programs**
3. **Design and Development of Curriculum for Add on/ certificate/ Diploma Courses**
4. **Assessment /evaluation process of the affiliating University**

Response: B. Any 3 of the above

File Description	Document
Institutional data in prescribed format	[View Document](#)
Link for Additional information	[View Document](#)

1.2 Academic Flexibility

1.2.1 Percentage of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented

Response: 100

1.2.1.1 Number of Programmes in which CBCS / Elective course system implemented.

Response: 12

File Description	Document
Institutional data in prescribed format	View Document
Link for Additional information	View Document

1.2.2 Number of Add on /Certificate programs offered during the last five years

Response: 46

1.2.2.1 **How many Add on /Certificate programs are offered within the last 5 years.**

2019-20	2018-19	2017-18	2016-17	2015-16
14	10	9	8	5

File Description	Document
List of Add on /Certificate programs	View Document
Link for Additional information	View Document

1.2.3 Average percentage of students enrolled in Certificate/ Add-on programs as against the total number of students during the last five years

Response: 11.81

1.2.3.1 **Number of students enrolled in subject related Certificate or Add-on programs year wise during last five years**

2019-20	2018-19	2017-18	2016-17	2015-16
542	241	207	213	533

File Description	Document
Details of the students enrolled in Subjects related to certificate/Add-on programs	View Document
Any additional information	View Document

1.3 Curriculum Enrichment

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics ,Gender, Human Values ,Environment and Sustainability into the Curriculum

Response:

Our Institution integrates Cross-cutting issues of the society like Moral Values, Human Values, Professional Ethics, Ethical Values Gender Equality, Environmental Awareness, which are an inseparable part of our curriculum.

Moral Values, Human Values & Professional Ethics

A twenty-one-day Induction program related to values and ethics is an integral part of the curriculum of the first year. The compulsory course "Universal Human Values & Professional Ethics" for 2nd year & open elective course "Understanding the Human Being Comprehensively-Human Aspirations and Its Fulfillment" for the final year are an important part of the Curriculum. The common course "Industrial Sociology" and Industrial Psychology are a basic part of the curriculum of the third year. Students will be able to understand the importance of ethics and values in their personal, social & professional life after studying these courses.

These subjects provide a free environment for inculcating values and developing ethical competence among the students. It is in response to a long-felt and urgent need to integrate value education with decision-making skills in their personal, social and professional life.

College celebrates days of National and International importance as Republic day, Women's Day, Independence Day, Teacher`s day, Human Right Day, International Yoga Day, etc. These celebrations nurture the moral, ethical, and social values of the students.

Gender Sensitization

The college has a Women Grievance Cell and Grievance Redressal Cell. These cells provide counseling to students, promote gender equity among students and also deal with related issues of safety and security of female students, staff, and faculty. The college campus is secured with CCTV and high-level security. There is separate Boys & Girls hostel (In-campus) for providing a safe environment for all students.

Environment & Ecology

The course "Environment & Ecology" related to the ecosystem; its balance & sustainability is an integral part of the second-year curriculum. University prescribed this course for creating awareness and developing the importance of environment among students. Awareness about Environment is necessary for the protection of the environment and survival of human life. The basic aim of this subject is to make the students aware of the importance of the ecosystem to human life.

The College has an integrated rainwater harvesting System along with STP. The wastewater is reused for

gardening on the college campus. The STP water is also used for floor cleaning and washing purposes. There is an extensive ongoing tree plantation program. College celebrates the day of National importance as Earth day, Environment day, and Ozone day. Keeping in view the environmental aspect, the college has already set up a "Center for Alternate & Renewable Energy (CARE)".

The college organizes workshops/ seminars on Environment & Ecology to make students aware of the efficient use of natural resources.

File Description	Document
Any additional information	[View Document](#)

1.3.2 Average percentage of courses that include experiential learning through project work/field work/internship during last five years

Response: 3.32

1.3.2.1 **Number of courses that include experiential learning through project work/field work/internship year-wise during last five years**

2019-20	2018-19	2017-18	2016-17	2015-16
16	11	11	12	11

File Description	Document
MoU's with relevant organizations for these courses, if any Average percentage of courses that include experiential learning through project work/field work/internship	[View Document](#)
Any additional information	[View Document](#)

1.3.3 Percentage of students undertaking project work/field work/ internships (Data for the latest completed academic year

Response: 54.23

1.3.3.1 **Number of students undertaking project work/field work / internships**

Response: 1397

File Description	Document
List of programmes and number of students undertaking project work/field work/ /internships	<u>View Document</u>
Any additional information	<u>View Document</u>

1.4 Feedback System

1.4.1 *Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders 1) Students 2)Teachers 3)Employers 4)Alumni*

Response: B. Any 3 of the above

File Description	Document	
URL for stakeholder feedback report	<u>View Document</u>	

1.4.2 Feedback process of the Institution may be classified as follows: Options:

1. **Feedback collected, analysed and action taken and feedback available on website**
2. **Feedback collected, analysed and action has been taken**
3. **Feedback collected and analysed**
4. **Feedback collected**
5. **Feedback not collected**

Response: B. Feedback collected, analysed and action has been taken

File Description	Document	
URL for feedback report	<u>View Document</u>	

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1 Average Enrolment percentage (Average of last five years)

Response: 63.62

2.1.1.1 **Number of students admitted year-wise during last five years**

2019-20	2018-19	2017-18	2016-17	2015-16
563	620	606	732	913

2.1.1.2 **Number of sanctioned seats year wise during last five years**

2019-20	2018-19	2017-18	2016-17	2015-16
996	1032	1032	1152	1152

File Description	Document
Institutional data in prescribed format	[View Document]
Any additional information	[View Document]

2.1.2 Average percentage of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy) during the last five years (exclusive of supernumerary seats)

Response: 39.79

2.1.2.1 Number of actual students admitted from the reserved categories year-wise during the last five years

2019-20	2018-19	2017-18	2016-17	2015-16
154	186	190	233	315

File Description	Document
Average percentage of seats filled against seats reserved	[View Document]
Any additional information	[View Document]

2.2 Catering to Student Diversity

2.2.1 The institution assesses the learning levels of the students and organises special Programmes for advanced learners and slow learners

Response:

The college has a well-established counseling system/mentorship system in place. Students are assigned to, identified faculty who act as their mentors/counselors. They conduct regular meetings with their student mentees to monitor their academic progress. A student scoring less than 40% marks in 3 or more subjects in internals and having less than 75% attendance is considered as an academically slow learner. Counselors keep a close eye on these students and keep their parents informed about their performance.

Table: Identification criteria of slow learners and action taken

Identification Criteria	Actions taken
Students scoring less than 40% of marks in Internal Assessment.	1. Faculty counselors follow the progress of the students regularly advising them about attending classes, making up for missed classes, and getting additional help. 2. Intimating parents to counsel their wards. 3. Conduction of remedial classes.
Students who fail in semester exams	Conduction of extra classes to those who failed in previous semester subjects.

The figure below demonstrates that the class teacher continuously keeps track of the academic performance of the students and identifies those who have poor academic performance or are slow learners. Mentors get to engage with such students and assist them by helping in the completion of assignments and arranging extra and remedial classes for them. In the case of Advance learners, faculty encourages and motivates them to perform better in academics as well as provides them different platforms for their professional development.

File Description	Document
Upload any additional information	[View Document](#)
Past link for additional Information	[View Document](#)

2.2.2 Student- Full time teacher ratio (Data for the latest completed academic year)

Response: 16.62

File Description	Document
Any additional information	View Document

2.3 Teaching- Learning Process

2.3.1 Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences

Response:

IMS Engineering College provides an effective platform for students to develop the latest skills, knowledge, attitude, values to shape their behavior correctly. All departments conduct innovative programs which stimulate the creative ability of students and provide them a platform to nurture their problem-solving skills and ensure participative learning. The institute organizes an annual technical fest, TECHNOVATION in which students showcase their learning in the form of innovative projects. Also, students are motivated to participate in inter-college as well as national-level competitions.

The institute focuses on the student-centric methods of enhancing the lifelong learning skills of students. Faculty members make efforts in making the learning activity more interactive by adopting the below-mentioned student-centric methods.

1. Experiential Learning: Each department conducts add-on programs to support students in their experiential learning. The institution imparts the following experiential learning practices to enhance the creativity and cognitive levels of the students –

- Laboratory Sessions are conducted with content beyond syllabus experiments.
- Summer Internship -Students get hands-on training while working in the company.
- Add-on Courses on latest technologies with NPTEL, ICT-IITK, SAP, Coursera, etc.
- Project development on latest technologies by students where they showcase their working model in the technical fest.
- Industrial Visits to engage them in experiential learning while visiting the organization.
- Certification Courses (Value Added Courses) by the market experts such as Microsoft/ Google/ NSE etc. to develop their expertise
- Participation in simulated events such as simulated stock exchanges or hackathons where they acquire experience of working on some real-life model.

2. Participatory Learning: In this type of learning, students participate in various activities such as seminars, group discussions, wallpapers, projects, and skill-based add-on courses. Students are encouraged to participate in activities where they can use their specialized technical or management skills, such as

- Annual Tech Fest – It is organized every year for engineering students where selected projects are displayed at the larger platform.
- Management Fest- This is organized every year by the management students in which students from different colleges participate and learn from each other.
- Annual cultural program – This is organized every year for the students of the college to give a vent to their creativity.

- Regular Quizzes- Quizzes are organized for student participation at intra or inter-college levels.
- Seminar Presentation – Students develop technical skills while presenting papers in seminars.
- Presentation and publishing of papers in conferences and journals - The objective is to give them exposure to learn and imbibe new skills.
- MOOC Programs (NPTEL, ICT-IITK, SAP, COURSERA, etc.)

3. Problem-solving methods: Departments encourage students to acquire and develop problem-solving skills. For this, the college organizes expert lectures on various topics, motivate students to join MOOC courses, participate in various inter-college and intra-college technical fests and other competitions such as:

- In-house summer training with project development
- Regular Assignments based on problems
- Mini Project development
- Regular Quizzes
- Case studies Discussion
- Class presentations
- Debates
- Participation in Inter-college events

File Description	Document
Upload any additional information	[View Document](#)
Link for additional information	[View Document](#)

2.3.2 Teachers use ICT enabled tools for effective teaching-learning process.

Response:

Today, it is essential for the students to learn and master the latest technologies to be corporate ready. As a consequence, teachers are combining technology with the traditional mode of instruction to engage students in long-term learning. College uses **Information and Communication Technology (ICT) in education** to support, enhance, and optimize the delivery of education.

The following tools are used by the Institute-

ICT Tools:

1. Projectors- 54 projectors are available in different classrooms/labs
2. Desktop and Laptops- Arranged at Computer Lab and Faculty cabins all over the campus.
3. Printers- They are installed at Labs, HOD Cabins, and all prominent places.
4. Photocopier machines - Multifunction printers are available at all prominent places in the institute. There are four photostat machines available on campus.
5. Scanners- Multifunction printers are available at all prominent places.
6. Seminar Rooms- Three seminar halls are equipped with all digital facilities.
7. SmartBoard- One smart board is installed on the campus.

8. Auditorium- It is digitally equipped with a mike, projector, cameras, and computer system.
9. Online Classes through Zoom, Google Meet, Microsoft Team, Google Classroom)
10. HackerRank (Online Coding Platform)- inter-college competition
11. MOOC Platform (NPTEL, Coursera, SAP, Udemy, Edx, etc)
12. Digital Library resources (DEL NET, MY LOFT, etc)

Use of ICT By Faculty-

1. **PowerPoint presentations**- Faculties are encouraged to use power-point presentations in their teaching by using LCDs and projectors. They are also equipped with a digital library, online search engines, and websites to prepare effective presentations.
2. **Industry Connect**- Seminar and Conference room are digitally equipped where guest lectures, expert talks, and various competitions are regularly organized for students.
3. **Online quiz**- Faculties prepare an online quiz for students after the completion of each unit with the help of GOOGLE FORMS.
4. **Video Conferencing-** Students have been counseled with the help of Zoom / Google meet applications.
5. **Video lecture**- Recording of video lectures is made available to students for long-term learning and future referencing.
6. **Online competitions**- Various technical events and management events such as Poster making, Ad-mad show, Project presentations, Business quiz, Debates, paper presentations, etc. are being organized with the help of various Information Communication Tools.
7. **Workshops**- Teachers use various ICT tools for conducting workshops on the latest methods such as SPSS, Programming languages, simulations, etc.

File Description	Document
Upload any additional information	View Document
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	View Document

2.3.3 Ratio of students to mentor for academic and other related issues (Data for the latest completed academic year)

Response: 25.5

2.3.3.1 Number of mentors

Response: 101

File Description	Document
Upload year wise, number of students enrolled and full time teachers on roll.	View Document
mentor/mentee ratio	View Document
Circulars pertaining to assigning mentors to mentees	View Document

2.4 Teacher Profile and Quality

2.4.1 Average percentage of full time teachers against sanctioned posts during the last five years

Response: 83

File Description	Document
Year wise full time teachers and sanctioned posts for 5years(Data Template)	View Document
List of the faculty members authenticated by the Head of HEI	View Document
Any additional information	View Document

2.4.2 Average percentage of full time teachers with Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt. during the last five years (consider only highest degree for count)

Response: 20.97

2.4.2.1 **Number of full time teachers with *Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt.* year wise during the last five years**

2019-20	2018-19	2017-18	2016-17	2015-16
43	40	38	31	29

File Description	Document
List of number of full time teachers with Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt. and number of full time teachers for 5 years (Data Template)	View Document
Any additional information	View Document

2.4.3 Average teaching experience of full time teachers in the same institution (Data for the latest

completed academic year in number of years)

Response: 6.37

2.4.3.1 **Total experience of full-time teachers**

Response: 987

File Description	Document
List of Teachers including their PAN, designation, dept and experience details(Data Template)	<u>View Document</u>
Any additional information	<u>View Document</u>

2.5 Evaluation Process and Reforms

2.5.1 Mechanism of internal assessment is transparent and robust in terms of frequency and mode

Response:

College is affiliated with Dr. A.P.J. Abdul Kalam Technical University, and hence, follows its rules and guidelines regarding the assessment and evaluation process of performance of students. The same is communicated to the students. The internal assessment is carried out systematically for theory courses, laboratory courses, seminars, summer internships, and projects.

The academic calendar is prepared at the beginning of each semester and is made available on the college website and noticeboards of the departments. Thus, students know about the dates of class tests (CT), submission of assignments well in advance and hence, can plan accordingly. The dates and schedule of internal assessment of laboratory courses, seminars, summer internships, and projects are displayed through the notices to the students well in advance.

For theory sessional assessment the question papers are prepared at the department level concerning old question paper/question bank/book followed by faculty members.

- Question paper is prepared by individual faculty/ faculty members teaching the same subject.
- Quality of question papers are checked and the final question paper is approved by the concerned authority.

- Assignments are allocated on weekly basis by faculty teaching the subject and are uploaded on the college portal.
- Answer sheets are evaluated and checked answer sheets are shown to the students.
- Sessional result analysis is discussed at the HoD level.
- A comparative evaluation of student's performance is carried out.
- Three internal tests were conducted.

For assessment of seminars, summer internship, and project, the faculty coordinator prepares a schedule of

presentation of students in slots in consultation with the HoD and is communicated to students. Students present their work or report to the coordinator via PPT mode and are evaluated based on various parameters set by the respective coordinator.

For assessment of the laboratory course, an internal practical viva was conducted by a respective faculty member at the end of the course.

File Description	Document
Any additional information	View Document
Link for additional information	View Document

2.5.2 Mechanism to deal with internal/external examination related grievances is transparent, time-bound and efficient

Response:

At the college level, an examination committee is constituted, comprising of a senior Faculty member as Center superintendent, other teaching faculty and non teaching staff as members for smooth conduction of end semester examination. The end semester examination is conducted by university, and the students appear at center allotted by the university.

The college follows strictly the guidelines and rules issued by the affiliating university while conducting internals and end semester examinations.

For conducting the internal assessment test, a department level coordinator/committee is constituted for smooth conduction of internal assessment.

- Three internal assessment tests are conducted each semester at department level.
- Time table for test is prepared well in advance and communicated to the students earlier.
- A proper seating plan is followed for internal assessment tests and it is displayed on the notice board.
- After evaluation of internal assessment answer scripts, the scripts are shown to the students to check any discrepancy or doubt in checking.
- If they come across any doubts, clarification is given by faculty to enables them to fare better in future.
- By adopting the criteria as per the direction of affiliating university, complete transparency is

maintained in internal assessment tests.

- After preparing the assessments report by faculty it is shown to HoD and a copy is submitted by the concerned faculty to the department.
- The assessment marks of all the three sessional tests uploaded on college ERP.
- The final internal assessment marks calculated on the basis of attendance, marks of class test and assignment marks, and are uploaded on university ERP at the end of semester.
- Any grievances related to university question paper like out of syllabus, repeated questions, improper split of marks, marks missed, wrong question number during semester exams are addressed to the center superintendent and the same reported to the university immediately through center controller (University representative).
- University decision or information after resolving the grievances/correction in question paper is intimated immediately to the students during the examination through the examination committee members.
- After examination, the answer scripts evaluated by digital mode at different evaluation centers designated by university and final result is declared.
- If student has any grievances related to evaluation of university answer scripts, student can apply for challenge evaluation/scrutiny.
- University declared the result of challenge evaluation/scrutiny after completing the process on university website.

File Description	Document
Any additional information	[View Document](#)
Link for additional information	[View Document](#)

2.6 Student Performance and Learning Outcomes

2.6.1 Programme and course outcomes for all Programmes offered by the institution are stated and displayed on website and communicated to teachers and students.

Response:

College follows the outcome-based education; hence the Program Educational Objectives (PEOs) Program specific outcomes (PSO) are defined by each department. For defining the PEOs and PSOs we follow the consultative process involving the stakeholders and are in line with the vision and mission of the college and department as well as the graduate attributes. The process is explained in the chart below:

We follow the Program Outcomes (POs) (twelve) defined by the National Board of Accreditation (NBA), New Delhi, and are to be fulfilled by all the programs in higher education. The Course Outcomes (COs) for each subject are available in the university syllabus or defined by a concerned faculty member in consultation with other faculty teaching the same subject and HoD.

The POs, PEOs, and PSOs, and COs are available on the college website and are also communicated to students, teachers, and other staff by displaying at the following location:

- Departmental Laboratories
- College corridors,
- Dean, HoDs, and Faculty rooms
- Course files.

The COs is also disseminated to students through faculty announcements to the students during the beginning of each semester and from time to time during the entire semester.

File Description	Document
Upload COs for all Programmes (exemplars from Glossary)	[View Document](#)
Past link for Additional information	[View Document](#)

2.6.2 Attainment of programme outcomes and course outcomes are evaluated by the institution.

Response:

COs attainment:

Attainment of course outcomes for each course was calculated based on the following assessment process:

Step 1: The course outcomes of the respective course are provided by the University or prepared by the Faculty.

Step 2: Considering the percentage of marks, asked in the university exam and internal exam, the average weightage percent of CO was calculated as an average of external/internal exams for calculation of direct attainment.

Step 3: Weightage of external/internal examination marks was distributed based on the university curriculum. The class average in respective examinations was used for the calculation of CO attainment.

Step 4: Attainment of each CO through external and internal examination was calculated by multiplying the percentage of questions asked in the respective exam, examination marks weightage and class average in the same examination.

CO = (Weightage of External Exam (EEw)*Subject Average in External Exam*% Marks as per University Scheme)

+(Weightage of Internal Exam (IEw)*Subject Average in Internal Exam*% Marks as per University Scheme)

Step 5: The percentage of CO attainment was calculated by dividing the sum of individual CO attainment by the Average Weight Distribution of respective CO, i.e.

% of CO attainment = [Sum (Performance Index)/Average Weightage Distribution]

Step 6: The criteria to determine the final attainment level for each COs were considered as follow:

We are considering 70% of CO attainment as a Target attainment value.

- **If % of CO attainment is <60 then the attainment level will be 1.**
- **If the % of CO attainment is >=60 and <70 then the attainment level will be 2.**
- **If % of CO attainment is >=70 then the attainment level will be 3.**

PO/PSO attainment:

Step 1: The course outcomes for all courses were mapped with defined POs and PSOs with correlation levels -1,2, and 3.

The correlation levels were defined as:

- No correlation–Correlation level"-"
- Slightly (Low)-Correlation level 1
- Moderate (Medium)-Correlation level 2
- Substantial (High)-Correlation level 3.

Step 2: Attainment of each COs for all courses was calculated as described above.

Step 3: Attainment values of respective COs were inserted against correlated PO/PSO. Average values for each PO/PSO were considered as final attainment for the course.

Step 4: Similarly, attainment values of COs with each correlated POs and PSOs have been calculated for all courses.

Step 5: Total indirect assessment was based on various surveys for POs and PSOs attainments like Graduate Exit Survey, Alumni Survey, and parent's feedback and taking their average.

Step 6: Final Attainment of POs and PSOs were derived from two components:

- **Direct attainment:** Obtained by taking averages of all CO-PO and CO-PSO attainment matrices defined for all courses (Semester III, IV, V, VI, VII, and VIII).
- **Indirect attainment:** Obtained from attainment values POs and PSOs of surveys including Graduate exit, Alumni, and Parents feedback.

Final attainments were calculated by considering 70% of direct assessment & 30% of the indirect assessment.

The CP/PO/PSO attainmnet levels can vary for different department

File Description	Document
Paste link for Additional information	[View Document]()

2.6.3 Average pass percentage of Students during last five years

Response: 98.68

2.6.3.1 **Number of final year students who passed the university examination year-wise during the last five years**

2019-20	2018-19	2017-18	2016-17	2015-16
753	854	876	695	822

2.6.3.2 **Number of final year students who appeared for the university examination year-wise during the last five years**

2019-20	2018-19	2017-18	2016-17	2015-16
769	873	884	700	828

File Description	Document
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	[View Document]()
Upload any additional information	[View Document]()
Paste link for the annual report	[View Document]()

2.7 Student Satisfaction Survey

2.7.1 Online student satisfaction survey regarding teaching learning process

Response: 2.94

File Description	Document
Upload database of all currently enrolled students (Data Template)	[View Document]()

Criterion 3 - Research, Innovations and Extension

3.1 Resource Mobilization for Research

3.1.1 Grants received from Government and non-governmental agencies for research projects, endowments, Chairs in the institution during the last five years (INR in Lakhs)

Response: 72.47

3.1.1.1 **Total Grants from Government and non-governmental agencies for research projects , endowments, Chairs in the institution during the last five years (INR in Lakhs)**

2019-20	2018-19	2017-18	2016-17	2015-16
11.72	27.02	11.44	12.57	9.72

File Description	Document
List of endowments / projects with details of grants	[View Document](#)
Any additional information	[View Document](#)

3.1.2 Percentage of teachers recognized as research guides (latest completed academic year)

Response: 4.52

3.1.2.1 **Number of teachers recognized as research guides**

Response: 7

File Description	Document
Institutional data in prescribed format	[View Document](#)
Any additional information	[View Document](#)

3.1.3 Percentage of departments having Research projects funded by government and non government agencies during the last five years

Response: 34.15

3.1.3.1 **Number of departments having Research projects funded by government and non-government agencies during the last five years**

2019-20	2018-19	2017-18	2016-17	2015-16
2	2	3	3	4

3.1.3.2 **Number of departments offering academic programes**

2019-20	2018-19	2017-18	2016-17	2015-16
9	8	8	8	8

File Description	Document
List of research projects and funding details	[View Document](#)
Any additional information	[View Document](#)

3.2 Innovation Ecosystem

3.2.1 Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge

Response:

The institute has created an ecosystem for Research and Innovation by recruiting & developing desirable human resources, taking initiative for the creation & dissemination of knowledge, and establishing the state-of-the-art infrastructure. The details are as under:

1. **Promoting Innovation**: The College has created an **Innovation & Entrepreneurship Development Cell (IEDC)** and **Institutional Innovation Council** (IIC) for promoting innovation & entrepreneurship activities. The formation of IIC is as per the guidelines of MHRD & AICTE. Students are encouraged to present their innovative working project models & products through the annual project contest "**Technovation**". The contest witnessed the participation of more than 90 projects across all the departments. Few of the outstanding project ideas are identified for commercial product development or submission to agencies for research funding.
2. **Technology Business Incubation Park**: College has also established TBIP (Technology Business Incubation Park) with the support of the DC-MSME Govt. of India. The institution has initiated various activities like pre-incubation support, startup initiatives & training programs. IEDC organized several EAC (Entrepreneurship Awareness Camp) programs.
3. **Center of Excellence**: The faculty& students are encouraged to take up research & developmental activities by utilizing the existing resources. Our center of Excellences on **ABB Industrial Automation, Automation & Robotics Lab, Texas Instruments lab** have helped our students to develop necessary skills & develop innovative projects in various domains.
4. **Human Resources**: The institute recruits dynamic & highly qualified faculty to mentor and channelizes the young minds. Institute has taken an initiative to encourage the faculty members to

pursue their Ph.D. work by granting a stipend on monthly basis during the course work. Faculty are also encouraged to participate in various skill enhancement programs under govt. schemes.

5. **Research infrastructure**: The College has a **Research Cell** to motivate the faculty members to write research projects and submit them to various supporting agencies like DRDO, DST, AICTE, DBT, SERB, UPCST, etc. Research Cell also helps to create a research culture among faculty members and students. One of our faculty Dr. Megna Singh is working on DST funded project "Malaria vaccine research" in collaboration with the School of Biotechnology, JNU, New Delhi.

6. **Collaborations**: College has signed MOUs with few industries to promote real-time project development.

File Description	Document	
Paste link for additional information	[View Document]()	

3.2.2 Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship during the last five years

Response: 5

3.2.2.1 **Total number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year-wise during last five years**

2019-20	2018-19	2017-18	2016-17	2015-16
2	0	0	2	1

File Description	Document
List of workshops/seminars during last 5 years	[View Document]()
Any additional information	[View Document]()

3.3 Research Publications and Awards

3.3.1 Number of Ph.Ds registered per eligible teacher during the last five years

Response: 0.75

3.3.1.1 **How many Ph.Ds registered per eligible teacher within last five years**

Response: 3

3.3.1.2 **Number of teachers recognized as guides during the last five years**

Response: 4

File Description	Document
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc	
Any additional information	

3.3.2 Number of research papers per teachers in the Journals notified on UGC website during the last five years

Response: 0.14

3.3.2.1 **Number of research papers in the Journals notified on UGC website during the last five years.**

2019-20	2018-19	2017-18	2016-17	2015-16
8	5	4	2	6

File Description	Document
List of research papers by title, author, department, name and year of publication	
Any additional information	

3.3.3 Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years

Response: 0.09

3.3.3.1 **Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year-wise during last five years**

2019-20	2018-19	2017-18	2016-17	2015-16
3	4	5	2	2

File Description	Document
List books and chapters edited volumes/ books published	
Any additional information	

3.4 Extension Activities

3.4.1 Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the last five years.

Response:

IMS Engineering College organizes and participates in various extension activities to promote the College-Neighborhood-Community network. Major emphasis is given on student engagement, service orientation, and the holistic development of students contributing to good citizenship.

Students actively participated in slum kid's education programs which run throughout the year in collaboration with NGO – Ummedon Ko Pankh Foundation (Wings of Hope). The weblink of NGO is http://wingsngo.co.in.

Students not only teach the kids but are great mentors to them teaching them life skills, preparing them for life ahead by inculcating the habits of teamwork, cooperation, and healthy competition. Students organize various events such as sports events, and co-curricular activities throughout the year for the kids. These students also take part in social help to slum people by distributing blankets and warm clothes and other essentials too. They learn the concept of aiding help to society in a variety of ways. The objective of this club is to make youngsters sensitive to their surroundings and practical understanding of concepts of human values. These are the ongoing activities carried by our students every year.

Our students wholeheartedly participate in blood donation events organized in the college every year. The mass participation shows their inner values of harmony and mercy.

Students also participate in various patriotic events with enthusiasm, be it a celebration of Independence Day or Republic Day. Students also raised/collected funds for the National Foundation for communal harmony, Govt. of India.

College & department clubs organize regular activities on social & environmental issues including seminars, tree plantation drives, invited talks by social figures, orientation programs, a celebration of Yoga day, etc. Such events witnessed the mass participation of our students.

Unnat Bharat Abhiyan aims to enable higher educational institutions to work with the people of rural India in identifying development challenges and evolving appropriate solutions for accelerating sustainable growth. With this objective five villages had been assigned to IMSEC, to develop them provide them better solutions to their problems.

3.4.2 Number of awards and recognitions received for extension activities from government/ government recognised bodies during the last five years

Response: 0

3.4.2.1 **Total number of awards and recognition received for extension activities from Government/ Government recognised bodies year-wise during the last five years.**

2019-20	2018-19	2017-18	2016-17	2015-16
0	0	0	0	0

File Description	Document
Number of awards for extension activities in last 5 year	View Document

3.4.3 Number of extension and outreach programs conducted by the institution through NSS/NCC, Government and Government recognised bodies during the last five years

Response: 15

3.4.3.1 **Number of extension and outreached Programmes conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., year-wise during the last five years**

2019-20	2018-19	2017-18	2016-17	2015-16
3	5	2	3	2

File Description	Document
Number of extension and outreach Programmes conducted with industry, community etc for the last five years	View Document
Any additional information	View Document

3.4.4 Average percentage of students participating in extension activities at 3.4.3. above during last five years

Response: 12.47

3.4.4.1 **Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations such as Swachh Bharat, AIDs awareness, Gender issue etc. year-wise during last five years**

2019-20	2018-19	2017-18	2016-17	2015-16
187	395	269	491	562

File Description	Document
Average percentage of students participating in extension activities with Govt or NGO etc	<u>View Document</u>
Any additional information	<u>View Document</u>

3.5 Collaboration

3.5.1 Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship per year

Response: 3

3.5.1.1 **Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship year-wise during the last five years**

2019-20	2018-19	2017-18	2016-17	2015-16
0	2	0	0	1

File Description	Document
Details of Collaborative activities with institutions/industries for research, Faculty exchange, Student exchange/ internship	<u>View Document</u>
Any additional information	<u>View Document</u>

3.5.2 Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the last five years

Response: 18

3.5.2.1 **Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. year-wise during the last five years**

2019-20	2018-19	2017-18	2016-17	2015-16
5	6	1	1	5

File Description	Document
e-Copies of the MoUs with institution/ industry/corporate houses	View Document
Any additional information	View Document

Criterion 4 - Infrastructure and Learning Resources

4.1 Physical Facilities

4.1.1 The Institution has adequate infrastructure and physical facilities for teaching- learning. viz., classrooms, laboratories, computing equipment etc.

Response:

The College encompasses a well-maintained lush green campus spread over 10.45 acres of land ensuring adequate availability and optimal utilization of physical infrastructure for teaching-learning activities.

Classrooms: college encompasses a sufficient number of well-furnished, well-ventilated, spacious classrooms equipped with LCD projectors for conducting theory classes.

Technology-Enabled learning facility: The College has ICT Classrooms where the provision of Multimedia learning, Wi-Fi connectivity, and internet access is given.

Seminar Hall: The College has multiple seminar halls. These halls are regularly used for conducting national/international seminars at the college. The students are promoted for active involvement in paper presentations, group discussions, etc.

Tutorial rooms: Separate tutorial rooms are there on the college campus for a tutorial lecture, doubt clarification, and special remedial classes for weak and needy students.

Laboratories: All laboratories are well equipped with state-of-the-art equipment and facilities. All the laboratories are established as per AICTE and AKTU norms. These labs are utilized for conducting practical classes as per the requirements of the curriculum. Labs are also utilized for technology learning & training as a part of teaching contents beyond the syllabus. Labs have sufficient licensed software and open source tools to cater to the requirements of curriculum & industry-enabled teaching.

Wi-Fi: The entire campus is Wi-Fi enabled with 24/7 internet facilities for the students and staff.

Available bandwidth: 200 Mbps (Faculty & Staff Bandwidth limit- 2.5Mbps/User, Students bandwidth limit - 2 Mbps/User). Internet facility is available in the whole campus including labs, classrooms, library, offices of all Departments and hostels.

Central Library: Our central library (imsec.ac.in/campus/library) is fully computerized by automating the issue of books with a bar code reader. The library has 5346 titles covering all major fields of Science and Engineering. The library covers an area of 6385 sq. ft. with a conference room and an ample study space. The central library is air-conditioned.

Excellent Resources are available for self-learning at the **Central library**

- Access to library and books from book bank - The library has a collection of 5346 book titles (76782 volumes) covering all major fields of science and engineering.
- Access to NPTEL Video/Web Course (511 Title Video & 418 Title Web)
- Membership of National Digital Library

- Local chapters of NPTEL, EdX, and Coursera (access to free certifications)
- Nalanda E-Consortium of AKTU – access to popular Digital libraries like IEEE Explore, Springer Nature, ASCE, ASME, Elsevier, Science Direct, Taylor Francis, JSTOR, etc.,
- National Digital Library www.ndl.iitkgp.ac.in
- Access to CBT, CDs, e-journals through multimedia computers with internet connectivity to encourage online learning- Library has 4219 international journals and 92 Indian journals.
- Additional e-resources (www.pdfdrive.net). Access to millions of books you need, for free. Unlimited downloads. You may browse by title or author, etc. Currently, 274376478 books are available for free and every minute, around 50 new books are added to the database. All downloads are free.

File Description	Document
Upload any additional information	[View Document](#)
Paste link for additional information	[View Document](#)

4.1.2 The Institution has adequate facilities for cultural activities, sports, games (indoor, outdoor), gymnasium, yoga centre etc.

Response:

The College is proactive in providing facilities for students to participate in cultural activities, sports, and games in various ways. The cultural committee supported by a team of faculty members and a full-time sports officer looks after all cultural, sports, and extracurricular activities of the college.

Gymnasium: College has a well-equipped gymnasium for boys & girls with all modern equipment

Outdoor Games: A spacious playground is available for outdoor games like Cricket, Football, Volleyball, Basketball, Badminton, etc with floodlights.

Indoor Games: Facilities for indoor games like Badminton, Table Tennis, Chess, Carrom, etc. are provided to students on the college campus. A large number of sports activities are organized in the college aiding the students to display their talent in sports activities.

Seminar Hall: The College is having a modern, well-equipped acoustic seminar hall for conferences and seminars. The seating capacity of the hall is about 300.

Cultural Activities: Every year college organizes an Annual cultural Function called VIBGYOR, where students participate in many cultural activities.

Annual Sports Competition: College organizes the National level annual sports competition **'Chakravyuh'** that witnesses participation from more than 80 colleges across the country.

File Description	Document
Upload any additional information	[View Document](#)
Paste link for additional information	[View Document](#)

4.1.3 Percentage of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc. *(Data for the latest completed academic year)*

Response: 51.47

4.1.3.1 Number of classrooms and seminar halls with ICT facilities

Response: 35

File Description	Document
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	[View Document](#)
Upload any additional information	[View Document](#)
Paste link for additional information	[View Document](#)

4.1.4 Average percentage of expenditure, excluding salary for infrastructure augmentation during last five years(INR in Lakhs)

Response: 20.63

4.1.4.1 **Expenditure for infrastructure augmentation, excluding salary year-wise during last five years (INR in lakhs)**

2019-20	2018-19	2017-18	2016-17	2015-16
4.99	230.14	764.92	573.27	188.60

File Description	Document
Upload Details of budget allocation, excluding salary during the last five years (Data Template)	[View Document](#)
Upload audited utilization statements	[View Document](#)

4.2 Library as a Learning Resource

4.2.1 Library is automated using Integrated Library Management System (ILMS)

Response:

(2019-20)

Name of the ILMS software	Nature of automation(fully/partially)	Version	Year of automation
Vidya Library Management Software	Fully Automated	2.0	2012

4.2.1-Library-Services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	76782	27103884	NIL	NIL	76782	27103884
Reference Books	5346	1904448	NIL	NIL	5346	1904448
e-Books	NIL	NIL	10258+	120000 (e-consortium-Fees)	10258+	120000 (e-consortium-Fees)
Journals	91	222000	NIL	NIL	91	222000
e-Journals	03	675489	5151+	120000 (e-consortium-Fees)	5151+	120000 (e-consortium-Fees)
Digital Database	03	675489	09	120000 (e-consortium-Fees)	09	120000 (e-consortium-Fees)
CD-Video	1500	Free with books			1500	Free with books
Library automation	01	62400	0?????	0??	01	62400
Weeding (Hard/Soft)	1099	360044	12	3760	1111	363804
Others	Digital library section	With-20-Multimedia				

(2018-19)

VIDYA Lib Mgmt Software	Fully Automated	2.0	Updated in 2012

4.2.1-Library-Services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	76736	27084707	46	19177	76782	27103884

Reference Books	5337	1899405	09	5043	5346	1904448
e-Books	NIL	NIL			NIL	NIL
Journals	91	223875			91	222000
e-Journals	03	645114			03	675489
Digital Database	03	645114			03	675489
CD-Video	1500	Free with books			1500	Free with books
Library automation	01	62400	0???	0??	01	62400
Weeding (Hard/Soft)	875	287224	224	72820	1099	360044
Others	Digital library section	With 20 Multimedia				
OPAC facility available						

(2017-18)

VIDYA Lib Mgmt Software	Fully Automated		2.0		Updated in 2012	
4.2.1-Library-Services:						
	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	75437	26558329	1299	526378	76736	27084707
Reference Books	5297	1875933	40	23472	5337	1899405
e-Books	NIL	NIL			NIL	NIL
Journals	91	261900			91	223875
e-Journals	03	721517			03	645114
Digital Database	03	721517			03	645114
CD-Video	1500	Free with books			1500	Free with books
Library automation	01	62400	0?????	0??	01	62400
Weeding (Hard/Soft)	769	225864	106	61360	875	287224
Others	Digital library section	With 20 Multimedia				
OPAC facility available						

(2016-17)

VIDYA Lib Mgmt Software	Fully Automated		2.0		Updated in 2012	
4.2.1-Library-Services:						
	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value

Text Books	74379	26057672	1058	500657	75437	26558329
Reference Books	5205	1824460	92	51473	5297	1875933
e-Books	NIL	NIL			NIL	NIL
Journals	91	268650			91	261900
e-Journals	03	683973			03	721517
Digital Database	03	683973			03	721517
CD-Video	1500	Free with books			1500	Free with books
Library automation	01	62400	0?????	0??	01	62400
Weeding (Hard/Soft)	586	168664	183	57200	769	225864
Others	Digital library section	With 20 Multimedia				
OPAC facility available						

(2015-16)

4.2 Library as a Learning Resource

VIDYA Lib Mgmt Software			Fully Automated	2.0		Updated in 2012

4.2.1-Library-Services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	73179	25612650	1200	445022	74379	26057672
Reference Books	5183	1814050	22	10410	5205	1824460
e-Books	NIL	NIL			NIL	NIL
Journals	96	272250			91	268650
e-Journals	05	1007408			03	683973
Digital Database	05	1007408			03	683973
CD-Video	1500	Free with books			1500	Free with books
Library automation	01	62400	0?????	0??	01	62400
Weeding (Hard/Soft)	445	129069	141	39595	586	168664
Others	Digital library section	With 20 Multimedia				
OPAC facility available						

File Description	Document
Paste link for Additional Information	<u>View Document</u>

4.2.2 The institution has subscription for the following e-resources

    1. e-journals
    2. e-ShodhSindhu
    3. Shodhganga Membership
    4. e-books
    5. Databases
    6. Remote access to e-resources

Response: B. Any 3 of the above

File Description	Document
Upload any additional information	<u>View Document</u>
Details of subscriptions like e-journals, e-ShodhSindhu, Shodhganga Membership , Remote access to library resources, Web interface etc (Data Template)	<u>View Document</u>

4.2.3 Average annual expenditure for purchase of books/e-books and subscription to journals/e-journals during the last five years (INR in Lakhs)

Response: 5.99

4.2.3.1 **Annual expenditure of purchase of books/e-books and subscription to journals/e- journals year wise during last five years (INR in Lakhs)**

2019-20	2018-19	2017-18	2016-17	2015-16
1.86	7.30	12.17	4.21	4.39

File Description	Document
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the last five years (Data Template)	<u>View Document</u>
Audited statements of accounts	<u>View Document</u>

4.2.4 Percentage per day usage of library by teachers and students (foot falls and login data for online access) during the latest completed academic year

Response: 2.38

4.2.4.1 Number of teachers and students using library per day over last one year

Response: 65

File Description	Document
Details of library usage by teachers and students	[View Document](#)

4.3 IT Infrastructure

4.3.1 Institution frequently updates its IT facilities including Wi-Fi

Response:

IT facilities have been updated on regular basis. Also, new IT equipment has been purchased as per the requirements.

In session 2015-16, 100 new desktop systems (I3 processor, 4 GB RAM, 250 GB HDD) purchased to upgrade computer labs. Also 30 New Epson projectors were purchased to support ICT. These projectors were installed in different classrooms. To maintain computer laboratories, regular purchasing of mouse/RAM and other hardware components were also done.

In session 2016-17, 150 new desktop systems (I3 processor, 4 GB RAM, 250 GB HDD) purchased to upgrade computer labs. * new CCTV cameras with one CCTV DVR are also installed to keep an eye everywhere.

In session 2017-18, 24 HP laptop (AMD, 4 GB RAM, 500 GB HDD) purchased to distribute among faculty members. Also, 32 headphones were purchased for the Language lab. To upgrade the computer lab, 4 GB additional RAM was installed in 60 PC, now the PC has 8 GB RAM.

In session 2018-19, 152 HP desktop with 4 GB RAM, one Laser printer, and fine Epson projectors were purchased to upgrade our existing lab and to prepare new computer labs.

In session 2019-20, 60 Lenovo desktop (with i5, 8GB RAM, 1 TB HDD) was purchased to upgrade the computer lab. This lab is used for Data Science Lab/Project Work. In addition to this 240 new desktop computers (i5, 10th Generation, 8GB) were purchased to upgrade existing computer laboratories.

Overall in every year, our computer laboratories were upgraded or new laboratories set up for new requirements.

Since 2015, we are using 200 Mbps Internet speed in our campus.

File Description	Document
Upload any additional information	[View Document](#)

4.3.2 Student - Computer ratio (Data for the latest completed academic year)

Response: 4.22

File Description	Document
Student – computer ratio	[View Document](#)

4.3.3 Bandwidth of internet connection in the Institution

Response: A. ?50 MBPS

File Description	Document
Upload any additional Information	[View Document](#)
Details of available bandwidth of internet connection in the Institution	[View Document](#)

4.4 Maintenance of Campus Infrastructure

4.4.1 Average percentage of expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the last five years(INR in Lakhs)

Response: 12.74

4.4.1.1 **Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component year-wise during the last five years (INR in lakhs)**

2019-20	2018-19	2017-18	2016-17	2015-16
216.53	207.36	191.60	146.05	139.31

File Description	Document
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	[View Document](#)
Audited statements of accounts	[View Document](#)

4.4.2 There are established systems and procedures for maintaining and utilizing physical, academic

and support facilities - laboratory, library, sports complex, computers, classrooms etc.

Response:

The college has appropriate systems and procedures for maintaining and utilizing physical, academic, and support facilities.

Maintenance of Network Infrastructure & IT Support:

Maintenance of network infrastructure & other IT-related equipment is taken care of by the **System Admin officer** and his team**.**

Routine computer maintenance, software installations, networking issues are handled by the System support staff. Maintenance of computing facilities, other IT support, LCD projectors, and CCTV cameras maintenance, etc are also carried out by a team of technical staff under system admin.

General record keeping & audits of all the equipment in the laboratory is done at the department level. Stock registers and logbooks are maintained. Entries relating to the repairs and maintenance of this equipment are entered in this register. Students & faculty can register their complaint/request related to lab equipment in the laboratory which is attended on a priority basis.

The equipment with the major repair is repaired by an outside agency. After receiving a quotation for maintenance and repair charges, necessary approval from college authorities and management is taken. Thereafter the equipment is sent for repairing by issuing a gate pass and the status of repair work is tracked. The respective head of the departments also monitors the effective utilization of the laboratories.

College website & ERP maintenance is outsourced to external agencies.

Every department maintains a stock register for the available equipment. Proper inspection is done and verification of stock takes place at the end of every year

Maintenance of Buildings and Infrastructure:

Maintenance of buildings and related areas is undertaken by the Admin department. The maintenance staff consists of Electricians, Carpenters, Plumbers, and other service personnel. Admin office and his team are involved in the monitoring & maintenance of infrastructure facilities. This team looks after the regular maintenance of civil works such as furniture repairs, masonry and plaster works, painting, carpentry, plumbing, and housekeeping. Pest control of library books and records is done every year by the maintenance department.

Adequate in-house staff is employed to meticulously maintain hygiene, cleanliness, and infrastructure on the campus to provide a congenial learning environment. Classrooms, Staffrooms, Seminar halls, and Laboratories, etc are cleaned and maintained regularly by Non - teaching staff assigned for each floor. Washrooms and restrooms are well maintained. Dustbins are placed on every floor.

Physical resources like Classrooms, labs, seminar halls, auditoriums, hostels, etc come under daily maintenance. The Admin department takes rounds of all the classrooms and auditorium every day. In case of requirement for maintenance such as lights, fans, benches, etc., will be attended by maintenance staff.

The campus maintenance is monitored through surveillance Cameras

The maintenance of equipment used for watering the plants, sewage, bore-well & gardening is done regularly. The campus is equipped with a 24/7 safe and adequate drinking water supply. Fire extinguishers are installed in various blocks and the campus is under CCTV surveillance.

File Description	Document
Paste link for additional information	[View Document]()

Criterion 5 - Student Support and Progression

5.1 Student Support

5.1.1 Average percentage of students benefited by scholarships and freeships provided by the Government during last five years

Response: 27.57

5.1.1.1 **Number of students benefited by scholarships and free ships provided by the institution, Government and non-government bodies, industries, individuals, philanthropists during the last five years (other than students receiving scholarships under the government schemes for reserved categories)**

2019-20	2018-19	2017-18	2016-17	2015-16
711	791	953	805	866

File Description	Document
upload self attested letter with the list of students sanctioned scholarship	[View Document](#)
Upload any additional information Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years (Data Template)	[View Document](#)

5.1.2 Average percentage of students benefitted by scholarships, freeships etc. provided by the institution / non- government agencies during the last five years

Response: 0.31

5.1.2.1 **Number of students benefited by scholarships and free ships provided by the institution, Government and non-government bodies, industries, individuals, philanthropists during the last five years (other than students receiving scholarships under the government schemes for reserved categories)**

2019-20	2018-19	2017-18	2016-17	2015-16
29	11	1	0	0

File Description	Document
Upload any additional information	[View Document](#)
Number of students benefited by scholarships and freeships institution / non- government agencies in last 5 years (Date Template)	[View Document](#)

5.1.3 Capacity building and skills enhancement initiatives taken by the institution include the following

     1.Soft skills
     2.Language and communication skills
     3.Life skills (Yoga, physical fitness, health and hygiene)
     4.ICT/computing skills

Response: C. 2 of the above

File Description	Document
Details of capability building and skills enhancement initiatives (Data Template)	[View Document](#)
Any additional information	[View Document](#)
Link to Institutional website	[View Document](#)

5.1.4 Average percentage of students benefitted by guidance for competitive examinations and career counselling offered by the Institution during the last five years

Response: 9.66

5.1.4.1 **Number of students benefitted by guidance for competitive examinations and career counselling offered by the institution year wise during last five years**

2019-20	2018-19	2017-18	2016-17	2015-16
240	408	351	272	157

File Description	Document
Number of students benefited by guidance for competitive examinations and career counselling during the last five years	[View Document](#)
Any additional information	[View Document](#)

5.1.5 The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases

> 1. **Implementation of guidelines of statutory/regulatory bodies**
> 2. **Organisation wide awareness and undertakings on policies with zero tolerance**
> 3. **Mechanisms for submission of online/offline students' grievances**
> 4. **Timely redressal of the grievances through appropriate committees**

Response: C. 2 of the above

File Description	Document
Upload any additional information	[View Document](#)
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	[View Document](#)
Details of student grievances including sexual harassment and ragging cases	[View Document](#)

5.2 Student Progression

5.2.1 Average percentage of placement of outgoing students during the last five years

Response: 67.52

5.2.1.1 **Number of outgoing students placed year - wise during the last five years.**

2019-20	2018-19	2017-18	2016-17	2015-16
609	716	614	396	417

File Description	Document
Upload any additional information	[View Document](#)
Self attested list of students placed	[View Document](#)
Details of student placement during the last five years (Data Template)	[View Document](#)

5.2.2 Average percentage of students progressing to higher education during the last five years

Response: 10.14

5.2.2.1 Number of outgoing student progression to higher education during last five years

Response: 78

File Description	Document
Upload supporting data for student/alumni	
Details of student progression to higher education (Data Template)	
Any additional information	

5.2.3 Average percentage of students qualifying in state/national/ international level examinations during the last five years (eg: IIT-JAM/CLAT/ NET/SLET/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations, etc.)

Response: 100

5.2.3.1 **Number of students qualifying in state/ national/ international level examinations (eg: IIT/JAM/ NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations, *etc.*)) year-wise during last five years**

2019-20	2018-19	2017-18	2016-17	2015-16
24	35	20	27	40

5.2.3.2 **Number of students appearing in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT,GRE/ TOFEL/ Civil Services/ State government examinations) year-wise during last five years**

2019-20	2018-19	2017-18	2016-17	2015-16
24	35	20	27	40

File Description	Document
Upload supporting data for the same	
Number of students qualifying in state/ national/ international level examinations during the last five years (Data Template)	
Any additional information	

5.3 Student Participation and Activities

5.3.1 Number of awards/medals won by students for outstanding performance in sports/cultural activities at inter-university/state/national / international level (award for a team event should be counted as one) during the last five years.

Response: 4

5.3.1.1 **Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national / international level (award for a team event should be counted as one) year-wise during the last five years.**

2019-20	2018-19	2017-18	2016-17	2015-16
1	3	0	0	0

File Description	Document
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/ national/international level during the last five year	[View Document](#)
e-copies of award letters and certificates	[View Document](#)

5.3.2 Institution facilitates students' representation and engagement in various administrative, co-curricular and extracurricular activities following duly established processes and norms (student council, students representation on various bodies)

Response:

Following student committees/clubs are operational in the college to showcase the student's representation and engagement in various administrative, co-curricular and extracurricular activities:

Class Representatives: all classes have two students designated as class representatives. They are responsible for representing any issues related to academics/non-academics to concerned HoDs/Class teachers. Director interacts with class representatives' at-least once during the semester.

Student Clubs (department level): departments organize the engineering activities through student clubs. Each club is run by students. Clubs have well-defined structures & assigned roles. Following clubs are presently operational:

- GEMS, a society of BT students
- CODERAIDERS Club, a society of CSE department

(**Website Link:** https://sites.google.com/view/coderaiders)

- BYTE Club, a society of CSE department

(**Website Link:** http://digital.imsec.ac.in/Byte/index.html)

- FACES, a society of EC students
- ENVINCIBLEs, a society of EN students
- INFOCORP, a society of IT students
- Mech-Edge, a society of ME students
- KAIZEN- The Management Club of MBA students

Cultural and Sports Committees: Students have strong representations in all cultural and sports committees. They help in the organization and management of events. Major events include the annual sports competition 'Chkrayuh' and the Annual cultural event 'Vibgyor'.

Hostel Administration: Students provide strong support in the administration and management of hostel affairs. Each hostel has students in its Mess Committee. They are involved in all major decision-making aspects related to students.

Placement Committees: student members are important components in placement activities. Student members are being involved in coordinating the activities during placement drives at the campus.

Technical Events: student members are part of organizing committees for all the engineering activities at the department/institute level. Some of these activities include conferences, coding & project contests, technovation, quiz competitions, student club activities etc.

File Description	Document
Upload any additional information	[View Document](#)
Paste link for additional information	[View Document](#)

5.3.3 Average number of sports and cultural events/competitions in which students of the Institution participated during last five years (organised by the institution/other institutions)

Response: 4.4

5.3.3.1 **Number of sports and cultural events/competitions in which students of the Institution participated year-wise during last five years**

2019-20	2018-19	2017-18	2016-17	2015-16
5	4	4	3	6

File Description	Document
Report of the event	[View Document](#)
Number of sports and cultural events/competitions in which students of the Institution participated during last five years (organised by the institution/other institutions (Data Template)	[View Document](#)

5.4 Alumni Engagement

5.4.1 There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services

Response:

The college has an Alumni association. Institute takes Alumni Feedback to improve the functioning and services of the organization. Convocation cum Alumni meet is organized in the institute to network and collaborate with the Alumni. Our alumni association works as partners to bridge the gap between the industry and academics. Alumni also support placement and continue to bring a good name to the organization. The college also has an online group known as AlmaConnect, where alumni of the institute stay connected with the institute. The website for the same is https://imsec.almaconnect.com/

File Description	Document
Upload any additional information	[View Document](#)
Paste link for additional information	[View Document](#)

5.4.2 Alumni contribution during the last five years (INR in lakhs)

Response: E. <1 Lakhs

File Description	Document
Upload any additional information	[View Document](#)
Link for any additional information	[View Document](#)

Criterion 6 - Governance, Leadership and Management

6.1 Institutional Vision and Leadership

6.1.1 The governance of the institution is reflective of and in tune with the vision and mission of the institution

Response:

Our Vision:

Our vision is to impart vibrant, innovative and global education and to make IMS the world leader in terms of excellence of education, research and to serve the nation in the 21st century.

Our 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.

IMS Engineering College, established in the year 2002, has a broad Vision and Mission that focuses on innovative approach for quality teaching and research in engineering and management so as to bridge the gap between the industry, society and academia. The institute follows a democratic and participatory approach of governance for achieving its goals. All stakeholders participate actively in the administration of institute. The college has a well-structured administrative and academic setup to consistently improve the quality and standard of education transmitted and to achieve excellence.

Administrative Setup:

- *Management*

IMS Engineering College is managed under IMS Society. The society has its Governing and Executive council which takes care of the proper functioning of the institute. The council primarily takes care of strategic issues and provides advice on policy matters and contributes to the college-wide planning process.

The details about IMS Society can found at the link :http://imsec.ac.in/about/imsec-society

The list of the members of executive council are enlisted here in this link: http://imsec.ac.in/about/executive-council and governing council of the college is given in the following link :http://imsec.ac.in/about/governing-council

- *The Chairman*

The Chairman is the head of IMS group of colleges and looks after the proper functioning of all the colleges under IMS group. Refer the link :http://imsec.ac.in/about/chairman

- *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 stream lining of the academic processes. The Director ensures that regular day to day operations are properly conducted through various monitoring mechanisms. Refer the link: http://imsec.ac.in/about/director

- *Registrar*

The Registrar works under the guidance of the Director and looks after the proper execution of academic and administrative matters like the enrolment of students, maintaining student records, keeping permanent record of marks and other university related work.

Academic Setup:

- **Academic-Dean**

Academic Dean is the highest-ranking academic official in the institution, next to the Director. The Dean provides strategic direction and academic leadership through planning to achieve the highest standards of education in management and engineering courses.

File Description	Document
Upload any additional information	[View Document](#)
Paste link for additional information	[View Document](#)

6.1.2 The effective leadership is visible in various institutional practices such as decentralization and participative management

Response:

The institute believes in segregating work among all members and delegating powers to them so that they can perform their duties in a well-formed manner. The best part of IMS Engineering College is the importance that it gives feedback or viewpoint to every faculty member.

The institution practices decentralization and participatory management in keeping with its belief in collective leadership and democratic values. The Director, HODs, and Dean Academic are responsible for the academic and administrative leadership of the institute. Director conducts meetings of various committees to discuss and review academic and administrative issues. Accordingly, various academic, as well as administrative committees, are formed for the decentralization and proper functioning of the institute.

The college has a well-marked & well-established administrative and academic setup.

IMSEC Management

IMS Engineering College is managed by IMS Society, which has its **Executive Council/Governing Body** members to take care of various educational institutions. However, the academic administration of the College is the responsibility of the Director who is directly accountable to the parent body. The governing council of IMS society controls and plans the finance and approves the schemes of development.

Director

The Director is the head of the institute who looks after all the administrative and academic activities. He is responsible for academic planning, its implementation, monitoring, and streamlining of the academic processes. The Director ensures that regular day-to-day operations are properly conducted through various monitoring mechanisms.

Registrar

The Registrar works under the guidance of the Director and looks after the proper management of academic and administrative matters like the enrolment of students, maintaining student records, keeping a permanent record of marks, and perform other university-related work.

Deans/ Heads of the department

Academic Dean is the highest-ranking academic official in the institution, next to the Director. The Dean provides strategic direction, academic planning, leadership, and administrative oversight to achieve the highest standards in engineering.

HoDs manage and develop the department to ensure the achievement of the highest possible standards of excellence in all its activities. They are supported by faculty and staff members. Heads of Departments exercise leadership demonstrate vision and empower others to deliver the agreed departmental strategy required for achieving the desired goals.

File Description	Document
Upload any additional information	[View Document](#)
Paste link for additional information	[View Document](#)

6.2 Strategy Development and Deployment

6.2.1 The institutional Strategic / Perspective plan is effectively deployed

Response:

Response:

The institution makes strategic and perspective plans to fulfill the society and industry requirements by producing engineers and managers who are technically component through quality education. The

institution's well-established infrastructure helps students to progress social and technical excellence. Strategic plans have been developed by the institute to implement IQAC to ensure the enhancement in the interaction of industry and institute, quality teaching and learning, incubation and innovation center, research promotion in students and staff.

Successfully Implemented

1.R&D

Institutionalization of Research and Development and publishing ample research papers via peer-reviewed journals. A few of the undertaken initiatives are:

- Sophisticated software and equipment establishment making the institution technically sound.
- Software and equipment were suitable for research facilitated in laboratories.
- Faculty recruitment with abilities to work in the field of research

2.IQAC

IQAC was established in accordance with the strategic plan complying with the institution's vision. Constant efforts have been made by IQAC to shift from the teacher-centric traditional approach to a student-centric approach. A few of the initiatives taken are:

- Organization of programs focused on faculty enrichment.
- Expert session organization on various methods of pedagogic and teaching-learning.
- Self-learning scope.
- Guest lectures on the advanced topic by prominent academicians invited from reputed institutions.
- SWAYAM / MOOC / NPTEL introduction.
- Reviewing the process of teaching-learning periodically.
- Adaption of ICT-enabled, student-centric, and innovative teaching-learning methods.
- Academic administrative Audit conducted regularly.

3.Placements and Training

Offering various training modules to render suitable perspectives in career and higher education. Industry experts to provide continuous mentoring to appraise the demand of industry-relevant skill sets. Training in technical domains shall be provided by the core department.

- Organization of special training and awareness for entrepreneurs.
- The placement department provided TASK through technical domain training.
- Organizing in-house summer training.
- Providing student internship through Internshala and department of placement.

File Description	Document
strategic Plan and deployment documents on the website	[View Document](#)
Paste link for additional information	[View Document](#)

6.2.2 The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment, service rules and procedures, etc.

Response:

Through the practical experience of management, corporate management has been designed scientifically and transparently to obtain the best results from it. Hierarchical clusters were created from top management down level to clearly delineate duties, responsibilities, accountability, and powers at each stage.

IMS Engineering College, established in the year 2002, has a broad Vision and Mission that focuses on an innovative approach for quality teaching and research in engineering and management to bridge the gap between the industry, society, and academia. The institute follows a democratic and participatory approach to governance for achieving its goals. All stakeholders participate actively in the administration of the institute. The college has a well-structured administrative and academic setup to consistently improve the quality and standard of education transmitted and to achieve excellence.

The overall corporate governance structure is classified as "Academies"

"Administration". With greater consideration of all stakeholders over students an effective management system is organized.

The foundation has formed various committees at the institute and department level for the effective functioning of the organization. The objectives and functions of the committees are organized according to the instructions of the head of the institution.

Institute Level Committees:

S.No	Name of Committee
1	Academic Council
2	AISHE Committee
3	Alumni Committee
4	Anti Ragging Committee
5	ARIIA Committee
6	Consultancy Committee - U.P. Pollution Control Board
7	Cultural Committee
8	Examination Committee
9	Grievance Redressal Committee
10	Happiness Committee
11	Institution Industry Cell
12	Institution Innovation Cell

13	Internal Complaint Committee
14	Internal Quality Assurance Cell
15	Minority Category Committee
16	MSME Projects Committee
17	NIRF Committee
18	NSS / Extension Activities Committee
19	Print Media Committee
20	Proctorial Board
21	Research & Development Cell
22	SC/ST, General and OBC Category
23	Social Media Committee
24	Student Counsellor Committee
25	Website Updation Committee
26	Vevechan - International Journal of Research Committee
27	ERP Correction Committee

File Description	Document
Paste link for additional information	[View Document](#)
Link to Organogram of the Institution webpage	[View Document](#)

6.2.3 Implementation of e-governance in areas of operation

1. **Administration**
2. **Finance and Accounts**
3. **Student Admission and Support**
4. **Examination**

Response: C. 2 of the above

File Description	Document
Screen shots of user interfaces	[View Document](#)
Details of implementation of e-governance in areas of operation, Administration etc	[View Document](#)

6.3 Faculty Empowerment Strategies

6.3.1 The institution has effective welfare measures for teaching and non-teaching staff

Response:

The institute has established the following welfare measures for teaching and non-teaching staff:

1. Mediclaim facility for faculty and staff members

- IMSEC provides Group Mediclaim Policy for faculty and staff members and their spouses, children (maximum 2) in case of married and in case of unmarried the parents of employee are covered by Insurance Company.
- Details of coverage and procedures for the Mediclaim facility are appended below:

Coverage Limit per annum for different categories are:

  ○ Director- 3 Lakhs
  ○ Professors and Associate Professors – 3 lakhs
  ○ Assistant Professor and staff – 2 Lakhs

- Procedure for Hospitals on Network

To get treatment under Mediclaim Policy by the faculty and staff below is the procedure for lodging the claim:

  ○ For any sickness and treatment in the hospital/ nursing homes for a minimum period of 24 hours is a prerequisite. In the case of the nursing home, it should be ensured that the nursing home is properly registered with the local authorities or should have at least 14 beds and should be equipped with surgical facilities and medical practitioners.
  ○ Copy of Mediclaim card to be produced to the hospital on the network.
  ○ Any bill over and above the covered amount as advised above will have to be borne by the patient/employee. The college, however, doesn't take liability in case of any rejection or deduction of a claim by the insurance company.
  ○ A list of network hospitals is available on the prescribed insurance company's website.
  ○ Procedure for Non-Network hospitals

The claim form available on the DHS website is to fill and submit along with the following documents in originals, to the insurance company at its registered office for reimbursement within 15 days of discharge:

  ○ Summary of expenses incurred
  ○ All prescriptions of Doctor
  ○ All investigation reports along with the prescription
  ○ Bills of hospitals and medical stores
  ○ Discharge summary
  ○ Identity card
  ○ Photocopy of PAN card
  ○ A canceled cheque
  ○ Photocopy of insurance card

Any other details required regarding hospitalization are given at the DHS website.

2 . Gratuity Benefits

Gratuity is the statutory benefit under the Payment of Gratuity Act, 1972, paid to the employees who have rendered continuous service for at least 5 years. It is the lump sum amount paid to the employee based on the duration of his total service by the employer at the time of retirement ie leaving the job. 15 days salary for each complete year of service is payable as gratuity. Gratuity is payable as per the provision of the Act.

3. ESIC/ Provident Fund

The Employee's State Insurance Scheme (ESI) under ESI Act, 1948 protects the employees against exigencies of sickness, maternity, disablement, and death. This benefit applies to the employees whose gross salary is less than Rs. 21000 per month. The employees registered under this scheme are entitled to medical treatment for themselves and their dependents, unemployment cash benefit in certain contingencies, and maternity benefits in the case of women employees.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

6.3.2 Average percentage of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the last five years

Response: 0

6.3.2.1 **Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies year wise during the last five years**

2019-20	2018-19	2017-18	2016-17	2015-16
0	0	0	0	0

File Description	Document
Details of teachers provided with financial support to attend conference, workshops etc during the last five years	View Document

6.3.3 Average number of professional development /administrative training programs organized by the institution for teaching and non teaching staff during the last five years

Response: 10.6

6.3.3.1 **Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff year-wise during the last five years**

2019-20	2018-19	2017-18	2016-17	2015-16
9	4	6	23	11

File Description	Document
Upload any additional information	[View Document](#)
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff	[View Document](#)

6.3.4 Average percentage of teachers undergoing online/ face-to-face Faculty Development Programmes (FDP)during the last five years (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course).

Response: 0

6.3.4.1 **Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course year-wise during the last five years**

2019-20	2018-19	2017-18	2016-17	2015-16
0	0	0	0	0

File Description	Document
Upload any additional information	[View Document](#)
IQAC report summary	[View Document](#)
Details of teachers attending professional development programmes during the last five years	[View Document](#)

6.3.5 Institutions Performance Appraisal System for teaching and non-teaching staff

Response:

Quality teaching is the crucial element for analyzing and improving students' achievement and outcomes. A detailed appraisal evaluation form is designed by the institute with all possible supporting parameters. The Performance Appraisal Report (PAR) is filled by every faculty and staff member at end of every semester for their performance evaluation. The Director and Head of Departments of respective departments award mark and analyze the performance of faculty and staff members based on given elements.

Elements of faculty appraisal (Self- assessment)

- **Responsibilities and requirements to accomplish their jobs with effectiveness.**

- **Head of Department get blank self-appraisal form from the HR department**

- **Faculty members fill and submit their self-appraisal form within 15 days to the Head of Department**

- **Parameters considered for filling appraisal form:**

- **Academic performance**

- **Student feedback**

- **Particulars of a research paper presented/published and book published**

- **Involvement in research**

- **Other achievements in last year**

Elements of faculty appraisal (HOD assessment)

- **Review of self-assessment forms filled by faculty members**

- **Discussion of HOD and faculty on performance aspects were required**

- **Award marks to faculty members based on their performance on the basis of the following parameters:**

- **Academic performance**

- **Student feedback**

- **Research Paper presented/published and book published**

- **Involvement in research**

- **Joining academic-related online courses, for example MOOC courses**

- **Involvement in department/college activities**

- **Self-development actions**

- **HOD mention comments about faculty performance for each faculty and submits them to the HR department.**

Elements of faculty appraisal (Director's assessment)

- **An appraisal meeting is scheduled by the director's office**

- **Along with respective HOD's, Director reviews the appraisal form of the faculty member in one to one interaction**

- **Director provides counseling to faculty members wherever required**

- **Appraisal forms are filled in personal files of faculty members after Director's Review.**

Elements of staff appraisal (Self- assessment)

- **Appraisal form is given to every staff member by the HR department**

- **Following details are requires to fill in the form and submitted to the Head of Department:**

- **Contribution to the department**

- **Steps were taken to improve functioning in the department**

- **Quality of service provided**

- **Record of mistakes committed and learning outcomes**

Elements of staff appraisal (HOD assessment)

- **Head of Department award marks in self-assessment form and assesses their performance on the basis of the following parameters:**

- **Work quality**

- **Output**

- **Attitude towards service**

- **Coat consciousness**

- **General attribute, conduct, and management**

- **Depending on the above points, the Head of Department evaluates staff-members appraisal and submits it to the HR department.**

File Description	Document
Upload any additional information	[View Document](#)
Paste link for additional information	[View Document](#)

6.4 Financial Management and Resource Mobilization

6.4.1 Institution conducts internal and external financial audits regularly

Response:

Auditing is an important part of the functioning of the Institute. In IMS Engineering College the audit is done annually by the finance department of the College and by three different wings of the audit system viz. INTERNAL AUDIT and FINANCIAL AUDIT. All expenses such as of revenue nature are audited by the internal audit. Besides, any such expenditures involving payment from the grants received from the state govt. and the UGC/AICTE is audited by viz. the Internal audit and the Financial audit. Audit of accounts of College is also conducted by the External Audit teams of IMS group from time to time. The audit team does the 'TEST CHECKING' of various types of accounts relating to the funds especially received from the State government and University Grants Commission (UGC) as well as AICTE. The audit team also audits stock registers and conducts audits of the Library, audits of labs of the department of the College, and audits of all Plan Expenditures of the college.

The Internal Audit of the College makes a thorough audit of the expenditures of the college. The Audit Department/ Audit Team works under the direct control and supervision of the Financial Advisor of the IMS Group of Institution.

File Description	Document
Upload any additional information	[View Document](#)
Paste link for additional information	[View Document](#)

6.4.2 Funds / Grants received from non-government bodies, individuals, philanthropers during the last five years (not covered in Criterion III)

Response: 0

6.4.2.1 Total Grants received from non-government bodies, individuals, Philanthropers year wise during the last five years (INR in Lakhs)

2019-20	2018-19	2017-18	2016-17	2015-16
0	0	0	0	0

File Description	Document
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the last five years	[View Document](#)

6.4.3 Institutional strategies for mobilisation of funds and the optimal utilisation of resources

Response:

IMS Engineering College is a self-financed institution, where the funds are generated through the fees paid by the students. The deficit is managed by taking advance from the parent trust. Additional funding is obtained from faculty members through Research proposals. These funds are utilized for research and laboratory development.

The institute has a well-defined mechanism to monitor the effective and efficient utilization of available financial resources for the development of academic processes and infrastructure development.

- The institutional budget is prepared by the Accounts department every year taking into consideration of recurring and non-recurring expenditures.
- Accordingly, all the administrative and academic heads are requested to submit the budget required for the subsequent financial year. Along with this, all coordinators of different cells viz., R& D Cell, Exam Cell, T&P Cell, NSS Cell, etc. are instructed to submit their budget to the Account office.
- All the major financial decisions are taken by the Director and Accounts department with Management of college.
- As and when urgent requirements arise it is given after sanctioned revived from the accounts office.

All the major financial transactions are analyzed and verified under the following sections:

- Research & Development
- Training & Placement
- Software & Internet charges
- Library Books / Journals
- Repair & maintenance
- Printing & stationary
- Equipment & Consumables
- Furniture & Fixtures

1. Institute adheres to the Utilization of budget approved for academic expenses and administrative expenses by management.
2. After final approval of the budget, the purchasing process is initiated by the purchase committee which includes all heads of departments and account officers, accordingly, the quotations are called and after the negotiations, the purchase order is placed.
3. The payments are released after delivery of the respective goods it is done as per the terms and conditions mentioned in the Purchase order.
4. All transaction has transparency through bills and vouchers. The bill payments are passed after

testing & verification of items. Only authorized persons operate the transaction through the bank.

5. A respective faculty member ensures that whether suitable equipment/machinery with the correct specification is purchased.
6. The entire process of the procurement of the material is monitored by the Purchase Committee and Principal at the institute level than the finance department at the corporate office level.
7. A financial audit is conducted by a chartered accountant every financial year to verify compliance.

File Description	Document
Upload any additional information	[View Document](#)
Paste link for additional information	[View Document](#)

6.5 Internal Quality Assurance System

6.5.1 Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes

Response:

The IQAC Cell of the college works towards improving and maintaining the quality of education, identifying and suggesting new ways of using teaching aids, developing suitable infrastructure, and offering suggestions for the new self-finance courses. IQAC is an effective and efficient internal coordinating and monitoring mechanism. The IQAC plays a vital role in maintaining and enhancing the quality of the institution and suggests quality enhancement measures to be adopted. The IQAC meets every quarterly to plan, direct, implement and evaluate the teaching, research, and publication activities in the College. The sub-committees dealing with various activities and departments implement the IQAC guidelines and report the feedback. The IQAC strives to spread quality culture through quality enhancement initiatives and best practices. Significant improvements in quality have been made by institutionalizing the following IQAC initiatives: Strategic planning of key areas and assigning responsibilities -

1. Academic results
2. Student technical training
3. Student soft skills development
4. Placement support
5. Faculty development programs
6. Research and development
7. Interaction with industry
8. NBA accreditation

Monitoring and mentoring of academic and administrative activities. Academic inspections are carried out

periodically to assess the quality of academics. The inspections involve:

1. Review of healthy academic practices
2. Mechanisms to identify and reform academic practices
3. Review of departmental facilities
4. Facilitate implementation of innovative methods in the departments
5. Self-development of faculty members

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

6.5.2 The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities (For first cycle - Incremental improvements made for the preceding five years with regard to quality For second and subsequent cycles - Incremental improvements made for the preceding five years with regard to quality and post accreditation quality initiatives   )

Response:

After establishing the IQAC in the college, started working towards quality education and inculcating quality culture among the students and staff. The IQAC has also contributed towards institutionalizing the quality assurance strategies and developed various processes as follows:

1. Promote industrial involvement in academic practices by organizing industrial training, industrial visits, workshops, and guest lecturers from industry experts, MOUs, etc.
2. Implementation of Outcome-based learning education in each program.
3. Introduces the aptitude classes and soft skill classes for students to enhance personality and employability.
4. Participation of college in NIRF, ARIIA, NBA, AISHE, and various other quality audits recognized by the state, national and international agencies.
5. Establishment of Institute Innovation Council (IIC) under MHRD.
6. Establishing Research and Development cell to promote Research and Development activities.
7. Conducting quality programs i.e., seminars, webinars, guest lectures, conferences, etc.
8. Establishment of various processes to take feedback/surveys from various stakeholders.
9. To implement and enhance the use of ICT tools to strengthen the teaching-learning process.
10. Establishment of the Mentor-mentee process and its effective implementation.
11. To submit the Annual Quality Assurance Report (AQAR) annually to the NAAC.
12. To institutionalize the best efforts to make the campus ragging-free and develop the discipline in the students along with the establishment of grievance redressal cell.

Other than these initiatives IQAC works on improving the teaching-learning process and supports adopting Outcome-Based Education (OBE) in all programs of college gradually. The Program outcomes are adapted

from NBA, program-specific outcomes, and course outcomes prepared by each program considering Bloom's taxonomy in collaboration with faculty, industry experts, and other stakeholders. A result-oriented, performance-based model is adopted at IMS Engineering College that emphasizes accountability based on student learning. Outcome-based education aims to create a student-centric learning environment at the course level including curriculum and training.

The POs, PSOs, and COs attainment is measured every session, for low attained courses, proper action is planned and efforts are made to improve the attainments if required beyond curriculum content and activities planned and implemented, this helps in improving the employability of students and also rewarded with the NBA accreditation.

The IQAC improve the teaching-learning process through standard academic practices, these academic practices include:

1. Preparation and adherence of Academic Calendar
2. Preparation of Nominal roll, Attendance Sheets, and formation of sections/groups
3. Choice of Electives (Open/Departmental/Science based)
4. Course allocation Load chart and Timetable preparation
5. Mentor-Mentee distribution
6. Course Delivery (Online / Offline class)
7. Preparation of Course file
8. Conduction of Seminar, Projects, Industrial Training
9. Monitoring of class delivery
10. Attendance Monitoring of students
11. Preparing Detained List
12. Syllabus coverage
13. Setting up the question paper
14. Conduction of internal examinations
15. Evaluation of answer scripts
16. Slow and advanced learners
17. Industrial Visits & Guest Lectures.

File Description	Document
Upload any additional information	[View Document](#)
Paste link for additional information	[View Document](#)

6.5.3 Quality assurance initiatives of the institution include:

1. **Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analysed and used for improvements**
2. **Collaborative quality intitiatives with other institution(s)**
3. **Participation in NIRF**
4. **any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)**

Response: C. 2 of the above

File Description	Document
Upload e-copies of the accreditations and certifications	<u>View Document</u>
Upload details of Quality assurance initiatives of the institution	<u>View Document</u>

Criterion 7 - Institutional Values and Best Practices

7.1 Institutional Values and Social Responsibilities

7.1.1 Measures initiated by the Institution for the promotion of gender equity during the last five years.

Response:

GENDER EQUITY CELL

Women's Grievances Redressal Cell was founded in 2009 to promote gender equality, women empowerment. Women's Grievances Redressal Cell is safeguarding and promoting the well-being of all women employees and female students of the organization. It takes care of all complaints on sexual harassment at the workplace and action taken for redressal of complaints. It also takes care of any act of misconduct by a person in authority and belonging to one sex which denies equal opportunity in pursuit of career development or making the environment at the workplace hostile or intimidating to a person belonging to the fairer sex.

Women's Grievance Redressal Cell was reconstituted in 2017 and now consists of the following members:

Presiding Officer - Ms. Rashmi Chandra, Associate Professor, BT Department

Faculty Members: Dr. Meghna Singh, Assistant Professor, BT Department and Ms. Jyoti Guglani, Assistant Professor, EC Department

Staff Members: Ms. Deepali Tyagi, Asstt. Manager (HR) and Ms. Rinku, Assistant Librarian

Student Members: 3

ACTIVITIES CONDUCTED BY THE CELL-

1. Grievances Handling of Female students and Staff (information from Cell)
2. Seminars
3. Poster presentation

A campaign regarding "Ending Violence against Women and Children" conducted by "Department of Women and Child Development - Govt. of U.P." from 17.10.2020 to 25.10.2020. The theme of poster making was as follows: Violence against women-Menace Gender equality and Child labor

1. Celebration of International Women Day
2. Rangoli making
3. Any other activity

A webinar on the topic entitled "Ending violence against women and children" was organized on 23/10/2020. B.Tech students of IMS Engineering College, Ghaziabad have attended this webinar. The talk was delivered by Dr. Suman Gupta, Associate Professor, Applied Science Department, IMSEC.

Safety and security

Anti-ragging committee

Fire extinguisher

Safety box

CCTV camera

Chief Proctor

Cybersecurity

Counseling

a. Student Counselling- Mentor mentee relationship

Faculties take the role of counselors where 30 students are counseled by each counselor per semester. Girls are counseled if they feeling safe, motivated, and treated equally by the people concerned

b. Faculty Counselling

The Director and Head of the departments counsel the faculty members during the appraisal meeting which are held annually.

Common Room

The common room is exclusively available for girl students. It is equipped with adequate tables and sofas. It has attached washrooms for females.

Daycare Facilities

We don't have such facilities right now

Any other relevant information

1. Gymnasium and Playground – It is situated in a girls hostel
2. The doctor room is in the girl's hostel where non-hostellers can also visit the doctor
3. General store and Stationery shop

It is to provide daily needs goods and stationery required by students. It is located near Girl's hostel

1. Girl's Hostel Facilities

Girls are provided adequate safety and security in the hostel through attendance biometric, security guards, wardens at round.

1. Suggestion and Compliant box

Female students can give suggestions or file complaints against unfair practices. These are situated in every academic block to encourage students to raise their voices against discrimination.

File Description	Document
Link for specific facilities provided for women in terms of: a. Safety and security b. Counselling c. Common Rooms d. Day care center for young children e. Any other relevant information	[View Document](#)

7.1.2 The Institution has facilities for alternate sources of energy and energy conservation measures

1. Solar energy
2. Biogas plant
3. Wheeling to the Grid
4. Sensor-based energy conservation
5. Use of LED bulbs/ power efficient equipment

Response: C. 2 of the above

File Description	Document
Any other relevant information	[View Document](#)

7.1.3 Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 500 words)

- Solid waste management
- Liquid waste management
- Biomedical waste management
- E-waste management
- Waste recycling system
- Hazardous chemicals and radioactive waste management

Response:

Waste disposal includes the activities and actions required to manage waste from its inception to its final disposal. This includes the collection, transport, treatment, and disposal of waste, together with monitoring and regulation of the waste management process. Waste produced is solid, liquid, or gas, each type has different methods of disposal and management.

Solid waste management-

The Canteen waste, paper, and plastic are the types of solid waste produced on the campus. This waste is managed in the following ways-

· Reuse of one side printed Paper for internal communication.

· Two types of Waste bins are provided at the campus for biodegradable and non-biodegradable waste.

· Horticulture waste is disposed of by the Ghaziabad Authority.

1. No of dustbin: - 290

2. Waste disposal quantity 3500 KG approx. per Month

Liquid waste management-

Institute has a Sewage Treatment Plant to recycle the wastewater. This plant treats the wastewater and makes it fit for use in washrooms, cleaning purposes, and watering plants and trees. The recycled water is used to water plants in the institute garden through a proper mechanism. The treated water is filled in tanks for use in cleaning floors and washrooms. This minimizes the consumption of water on the campus.

Biomedical waste management- There is no bio-medical waste produced.

E-waste management- Currently there is no procedure followed.

Waste recycling management- Only the wastewater is recycled. No other waste is currently recycled.

Hazardous and radioactive waste management- There is no hazardous waste produced in the Institute.

File Description	Document
Link for Geotagged photographs of the facilities	View Document

7.1.4 Water conservation facilities available in the Institution:

1. **Rain water harvesting**
2. **Borewell /Open well recharge**
3. **Construction of tanks and bunds**
4. **Waste water recycling**
5. **Maintenance of water bodies and distribution system in the campus**

Response: C. 2 of the above

File Description	Document
Link for any other relevant information	View Document

7.1.5 Green campus initiatives include:

1. **Restricted entry of automobiles**
2. **Use of Bicycles/ Battery powered vehicles**
3. **Pedestrian Friendly pathways**
4. **Ban on use of Plastic**
5. **landscaping with trees and plants**

Response: B. 3 of the above

File Description	Document
Link for any other relevant information	[View Document]()

7.1.6 Quality audits on environment and energy are regularly undertaken by the Institution and any awards received for such green campus initiatives:

1. **Green audit**
2. **Energy audit**
3. **Environment audit**
4. **Clean and green campus recognitions / awards**
5. **Beyond the campus environmental promotion activities**

Response: D.1 of the above

File Description	Document
Certification by the auditing agency	[View Document]()
Link for any other relevant information	[View Document]()

7.1.7 The Institution has disabled-friendly, barrier free environment

1. **Built environment with ramps/lifts for easy access to classrooms.**
2. **Divyangjan friendly washrooms**
3. **Signage including tactile path, lights, display boards and signposts**
4. **Assistive technology and facilities for Divyangjan accessible website, screen-reading software, mechanized equipment**
5. **Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading**

Response: D.1 of the above

File Description	Document
Link for any other relevant information	[View Document]()

7.1.8 Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance

and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities (within 500 words).

Response:

The institute is proactively taking efforts in providing an inclusive environment. The initiatives are to promote better education, economic upliftment of the needy, and setting communal harmony.

a. Unnat Bharat Abhiyaan (Under Ministry of HRD)-Adopted 4 villages in Ghaziabad region to conduct activities for their socio-economic development. Institute has conducted lectures in these villages for increasing their environmental and ethical awareness. Institute has also tested the quality of drinking water available in these villages.

b. IMS Engineering College organizes extension activities in schools as a part of Education Social Responsibility. The extension activities are targeted towards enabling a holistic environment for student development.

c. Blanket Distribution to needy people has been conducted in the area of Ghaziabad to raise socio-economic upliftment.

d. Classes for children of workers were conducted by Engineering students to educate them.

e. The institute has established UMEEDON KO PANKH Foundation as IMSEC Chapter. It has two chapters. The IMSEC College Chapter has an overall count of students 35 (approx..) which are from class 1-10. Outside college chapters known as Crossing chapters have an overall strength of 15 (approx..) having the majority of students from classes 3, 4, and 5. Umeedon Ke Pankh foundation (IMSEC Chapter) has organized LAKSHYA, a sports fest, in collaboration with the Sports Promotion Organization of India on 16th February 2020.

f. The Institute has also donated money to Kamalabai Educational and Charitable Trust, Mumbai as they provide education fees for orphan kids.

g. Centre of Skill & Personality Development Program (SPDP) organized a one-week Training Program for SC/ST students from 20th to 24th January 2020. The program was technically sponsored by AICTE, New Delhi. During this training program, the center conducted classes free of cost on Soft Skill and elementary PLC/SCADA for SC/ST students.

h. Science Wizard is annually organized by the Institute to identify brilliant students in maths and science and promote them by awarding them laptops and certificates. Institute also awards the contribution of Science and Maths School teachers in UP every year at the Grand Finale of Science Wizard.

i. Blood donation camp is annually organized at IMS Engineering College in association with Rotary Club of Sahibabad, Ghaziabad where students, faculty, and staff contributed voluntarily by donating blood for the noble cause of serving society and proudly adorn the badge of a blood donor.

File Description	Document
Link for supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	[View Document](#)

7.1.9 Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens (within 500 words).

Response:

IMS Engineering College has organized many activities to sensitize students and employees to the constitutional obligation: Values, Rights, Duties, and responsibilities of the citizens. Every year, on Republic Day and Independence Day, Director Sir appeals to all to remember the struggle for freedom and respect the National Flag and National Anthem. Our constitution provides for human dignity, equality, social justice, human rights and freedom, rule of law, equity and respect, and superiority of constitution in the national life. The whole country is governed based on the rights and duties preserved in the Constitution of India. Every year Republic day is Celebrated on 26th Jan by organizing activities highlighting the importance of the Indian Constitution. Independence Day is also celebrated every year to highlight the struggle for freedom and the importance of the Indian constitution.

The annual cultural fest is also promoting the awareness towards rights and duties of citizens where Skits, Dances, Poetry, singing, etc are based on such themes.

A course is introduced namely Constitution of India for B. Tech students. Every student has to pass this course. The objective of this course is to spread awareness and imbibe the constitutional values in the conduct of students. The course includes content on fundamental rights, duties, and responsibilities of every citizen.

The course would acquaint the students with the legacies of constitutional development in India and help them to understand the most diversified legal document of India and the philosophy behind it. It would make students aware of the theoretical and functional aspects of the Indian Parliamentary System.

File Description	Document
Link for any other relevant information	[View Document](#)
Link for details of activities that inculcate values necessary to render students in to responsible citizens	[View Document](#)

7.1.10 The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard.

     1. The Code of Conduct is displayed on the website
     2. There is a committee to monitor adherence to the Code of Conduct

3. **Institution organizes professional ethics programmes for students, teachers, administrators and other staff**
4. **Annual awareness programmes on Code of Conduct are organized**

Response: C. 2 of the above

File Description	Document
Any other relevant information	[View Document](#)

7.1.11 Institution celebrates / organizes national and international commemorative days, events and festivals (within 500 words).

Response:

Republic Day Celebration- This is celebrated at A Block where students and faculty are invited for flag hoisting. Students and teachers perform patriotic events to raise awareness of constitutional rights and historical achievements. This is followed by sweets distribution and lunch.

Independence Day celebration- This is celebrated at A Block where students and faculty are invited for flag hoisting. Students and teachers perform patriotic events to raise awareness of constitutional rights and historical achievements. This is followed by sweets distribution and lunch.

Teachers Day Celebration- Institute has a unique culture of appreciating the efforts of teachers by awarding them the best faculty awards. The director of the Institute felicitates the award every year to teachers. Teachers' day gifts are also distributed to all the faculties.

Women's Day celebration- Women's day is celebrated at the department level where the Head of Department arranges a small get-together for females in the college.

APJ Birthday celebration- The birthday of Dr. APJ Abdul Kalam is celebrated in the auditorium to discuss the achievements of the former in his loving memory. This is celebrated as a formal program. Generally, it is organized in the auditorium at C- block.

Diwali Get together- There is a Diwali Pooja performed on the campus on the occasion of Diwali. The faculty members, staff, and management of the college assembled at A block for pooja. Then the institute distributes Diwali gifts to all faculties and staff. Usually, it is accompanied by Lunch or snacks every year. The spark of the festival is visible by the colorful decorations arranged by faculties and staff members.

Holi Get together- Holi party is an attraction for faculty and staff where they enjoy some indoor and outdoor sports along with lunch and sweets. Staff and faculty greet each other by putting gulaal on each other.

International Yoga day- It is also celebrated in the institute where students and teachers practice Yogas to relieve stress and sadness. Usually, it is conducted in the presence of Yoga experts.

National Mathematics Day- On the Birth of the great Legendary mathematician- Srinivasa Iyengar Ramanujan. Approx 350 students and 45 faculty members have participated in the celebration at IMS

Engineering College Ghaziabad.

File Description	Document
Link for any other relevant information	[View Document](#)

7.2 Best Practices

7.2.1 Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual.

Response:

1. **Title of the Practice: MENTORING SYSTEM FOR STUDENTS**

 2. **Objectives of the Practice**:

To minimize dropouts, improve performance and reduce the stress of the students through personal counseling.

3. **The Context**

Students undergo various problems of stress- personal, academic, physical, mental. Students are new to professional college life. It creates a lot of stress, especially for hostel students who are away from family for the first time. Students from educationally weak backgrounds feel complex and hesitations in class and unable to perform well due to inhibitions. Statistics reveal an increasing number of suicides and dropouts. Considering the student-teacher ratio in classrooms, it is difficult at times to give personal attention to students in class. One solution, therefore, is a 'Mentor' who can form the bond with students in the true sense. Mentoring is required for students to achieve emotional stability and to promote clarity in thinking and decision-making for overall progress.

4**. The Practice**.

- Each teacher is assigned around 15-20 students for the complete duration of their study.
- They meet at least once a month to discuss, clarify and share various problems which may be personal or academic, etc.
- The mentors encourage the students to participate in co-curricular and extracurricular activities and sports.
- Their academic performance and other activities are all recorded.
- The mentors also keep in touch with the parents on their attendance, test performance, fee payment, examinations, etc every week
- The mentors also counsel the students in need of emotional problems.
- When the students have any problem in any department either with the staff or with work completion the mentors speak with the respective staff and sorts out the problem.
- Mentors take special care of weak students, who are advised on how to study, prepare a timetable for study and clarify the doubts and also given notes to study.

- The Chief Mentor of the department takes the progress of counseling of students by mentors.
- Students' problems are discussed with the departmental heads, other faculties, and necessary action taken to solve them.

5. **Evidence of Success**

Evidence of the success of the practice includes university ranks, better results in the examinations, improved attendance, fewer dropouts, increased participation in co-curricular and extra-curricular activities, better discipline on campus, and a respectful relationship between teachers and students. The students are more relaxed and have a healthy relationship with the staff.

6. **Problems Encountered and Resources Required**

This practice requires committed teaching staff who has the sire to help students beyond teaching hours. There are no limitations or constraints faced during implementing the program.

1. **Title of Best Practice** - **TEACHING – LEARNING PROCESS**

2. **Goal**

- To ensure the completion of the syllabus according to the academic calendar of College
- To encourage teachers to adapt to advance pedagogical methods including ICT adoption in the class room teaching
- To improve pass percentage, average marks in each semester and enhance the number of ranks bagged by the college at the university level examinations
- To increase the placement of college as the quality of students would be improved

3. **The context**

Different teachers use different methods to teach in class. They teach at different paces. It was observed that syllabus coverage remains a challenge when there is a need for uniformity. The teachers find it difficult to keep pace with the techno-savvy student learners. There was a need for uniformity and standard-setting so that everyone can meet the objective of best teaching practices. It has become essential for teachers to adapt to the latest pedagogic styles and include ICT in classroom teaching. The mismatch between the student learner and the teacher in the use and comfort of handling varieties of tools available for teaching-learning needs to bridge.

4**. The practice**

- The academic calendar is planned by the respective department under the instructions of the Director and Dean.
- The academic calendar is uploaded on the website for information to students, teachers, and others.
- Based on that, every faculty prepares the academic planner in the form of a course file which is audited by the department head.
- The heads of different departments monitor the pace of coverage of the syllabus
- Timely Feedback is obtained from students regarding the content delivery by different teachers.
- Assignments, tests, and evaluations are conducted at scheduled dates to improve performance in the semester-end examinations.

- Timeline of Assignments, syllabus coverage is monitored by Dean academics at regular intervals
- All the classrooms are ICT ready and all the departments adapted their classroom teaching with the help of ICT.

5. **Evidence of Success**

- All teachers have adopted modern pedagogic styles and ICT in their classes.
- Appropriately paced and timely completion of syllabus
- Increased attendance in the classes

- Improvement in results.
- Every year we have branch toppers and university toppers.

6. **Problems encountered and Resources required**.

This practice requires a monitoring system that can show the progress and gaps at each point in time. The institute ERP is serving the purpose but it needs upgrades as time changes.

File Description	Document
Link for any other relevant information	[View Document](#)

7.3 Institutional Distinctiveness

7.3.1 Portray the performance of the Institution in one area distinctive to its priority and thrust within 1000 words

Response:

Policy- **College to Corporate**

Overview- The ultimate objective of every student is to get a dream job. It becomes the duty of the institute to provide a platform to develop and polish their skills and expertise and make them ready to corporate. IMSEC is fully committed to making the students corporate products.

The Process-

IMSEC makes students ready for Corporate by undertaking the following methods-

1. **Attendance**– College motivates its students to maintain above 75% attendance by giving them extra marks in internal assessment. Students are required to maintain 75% positively. Their attendance is regularly displayed at the departmental notice board.
2. **Assignment**- Subject teachers give the practical assignment based on concepts to develop their subject-specific skills. They need to submit at least 7 assignments in each subject.
3. **Internship**- Students are required to complete internships on the latest technology, skills, or programs in the company. This is how they get a flavor of working with corporates.

4. **Participation in Technical or Management fest**- Students participate in technical fest/ management fest where they take a practical problem and develop a product or software to solve it. They participate in various national and state-level project exhibitions.
5. **Collaboration with Foreign University**- Some selected students are being sent to Foreign university i.e. University of Louisville
6. **Branch topper**- Institute motivates its bright students by awarding them cash prizes during the convocation.
7. **Student counseling**- Faculty mentors are assigned a number of students to counsel. The objective is to encourage weak students and guide them.
8. **Remedial classes for weak students**- Remedial classes are conducted for weak students. Weak students are identified in every subject based on marks obtained in internal exams.
9. **Participation in cultural and Sports fest**- These are organized annually and students are encouraged to take part in them by awarding them GP marks.
10. **Personality development classes**- Soft skill classes are part of the curriculum to enhance their personality as well as communication skills. They are also trained for numerical aptitude to increase their placements.
11. **Seminar/ Guest lecture / Alumni lectures** – They are being conducted every semester to develop a connection to the placements.
12. **Research and development**- In the last five years, the Institute has acquired thirteen projects bringing in funds of more than thirty-nine lakh rupees. Research is also conducted by students and they are taught how to present them at seminars. There have been more than 500 research publications in journals of national and international repute. The faculty has also published many books and book chapters.

Evidence of Success-

* The Institute is able to produce University Rank holders every year. The indicates the quality of the academics.
* The percentage of Students placed is rising. 609 students out of 769 students are being placed in 2019- 20.
* The number of companies visited is increasing. 119 companies have visited campus for 715 students in 2019-20. It nearly means 1 company for every 7students.
* The highest Package received by the students has reached a new high of Rs. 9 LPA.
* Higher Education- Students are selected for prestigious institutions like IIT's, NIT's and foreign Universities for higher education i.e. M.Tech and Ph.D
* Students have qualified for various state/national/ international level examinations during the last five years. It includes JAM/GATE/ CLAT/GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations, etc.
  Students have received awards for outstanding performance in sports and cultural activities at university, state, and national during the last five years.

File Description	Document
Link for any other relevant information	[View Document]

5. CONCLUSION

Additional Information :

Incorporated in 1990, as a non-profit organization, IMS society proudly stands today as the apex body of looking after three well-known educational institutions in the city of Ghaziabad. IMS society was founded by a group of dynamic and visionary edupreneur, with the noble idea of imparting world-class quality technical and management education to the students, and thus, contribute to the upliftment and development of society. Since its inception, the IMS Group has promoted education in the various areas of Management Sciences, Information Technology, BioSciences, Engineering, and Journalism and is continuously striving to achieve excellence in all its endeavors. IMSEC Ghaziabad is one of the top-notch Engineering colleges in North India, providing technical education and good employability prospects to its students.

IMS Engineering College is NAAC Accredited with an 'A' Grade for 5 years (2015 - 2020) in the 2nd cycle. Now IMS Engineering is going for 3rd cycle NAAC accreditation.

In 2016 two UG programs B.Tech. (CSE and B.Tech (ME) were accredited by NBA.

In 2018 B.Tech. (Biotechnology) was accredited by NBA.

Establishment of Institution Innovation Council (IIC) as per the norms of Innovation cell, Ministry of HRD, Govt of India in the Year 2018-19. and IMS Engineering got 4-star ranking by IIC.

Concluding Remarks :

IMS Engineering College has adequate infrastructure to create an inclusive learning atmosphere for students and teachers. The Institute provides quality education to their UG/PG students. Faculty members at IMS Engineering College have been recruited as per the quality policy ensuring that they have educational and technical backgrounds from institutions of national/international repute. The IMSEC's motto of imparting quality education is reflected by its academic results and placement. IMS Engineering College, an endeavor of IMS Society, wants its students to become perfect adventurers, confident technical experts, and determined path-finders in the 21st-century corporate global scenarios.

The objective of IMSEC of imparting quality education is reflected in its consistently good academic results and placement records. IMS Engineering College, a brainchild of IMS Society, is continuously endeavoring to make its students technically skilled, innovative, behaviourally disciplined, and morally ethical to excel in the global corporate scenario.

The assemblage of highly qualified and dedicated faculty members, experts in their respective fields, nurture the students to be versatile professional along with being a responsible citizen. The teaching-learning process is at its best and along with state of art laboratories, the students do fulfill the contemporary industrial requisites irrespective of the curricular gaps.

Special attention is given to enhancing the employability of the students, including soft skills, communication skills, and life skills through a dedicated CDC team. The Institute supports the overall development of students, endorses a learning environment that delivers employable students with strong analytical minds, thinking abilities, entrepreneurial and organizational skills required in a dynamic professional environment. The institute also helps to foster a strategic alliance with industry for applied research besides inculcating ethical, social, and moral values amongst students to transform them into distinctive professionals.

IMS Engineering College promises to itself to do every possible thing to quench its thirst to reach the apex of academic excellence

6.ANNEXURE

1.Metrics Level Deviations

Metric ID	Sub Questions and Answers before and after DVV Verification
1.2.2	**Number of Add on /Certificate programs offered during the last five years** 1.2.2.1. **How many Add on /Certificate programs are offered within the last 5 years.** Answer before DVV Verification: <table><tr><td>2019-20</td><td>2018-19</td><td>2017-18</td><td>2016-17</td><td>2015-16</td></tr><tr><td>19</td><td>12</td><td>12</td><td>11</td><td>7</td></tr></table> Answer After DVV Verification : <table><tr><td>2019-20</td><td>2018-19</td><td>2017-18</td><td>2016-17</td><td>2015-16</td></tr><tr><td>14</td><td>10</td><td>9</td><td>8</td><td>5</td></tr></table> Remark : Excluded aptitude & soft skill training, internship training
1.2.3	**Average percentage of students enrolled in Certificate/ Add-on programs as against the total number of students during the last five years** 1.2.3.1. **Number of students enrolled in subject related Certificate or Add-on programs year wise during last five years** Answer before DVV Verification: <table><tr><td>2019-20</td><td>2018-19</td><td>2017-18</td><td>2016-17</td><td>2015-16</td></tr><tr><td>2145</td><td>1897</td><td>1919</td><td>1445</td><td>1126</td></tr></table> Answer After DVV Verification : <table><tr><td>2019-20</td><td>2018-19</td><td>2017-18</td><td>2016-17</td><td>2015-16</td></tr><tr><td>542</td><td>241</td><td>207</td><td>213</td><td>533</td></tr></table> Remark : Edited based on metric 1.2.2.1
1.3.2	**Average percentage of courses that include experiential learning through project work/field work/internship during last five years** 1.3.2.1. **Number of courses that include experiential learning through project work/field work/internship year-wise during last five years** Answer before DVV Verification: <table><tr><td>2019-20</td><td>2018-19</td><td>2017-18</td><td>2016-17</td><td>2015-16</td></tr><tr><td>561</td><td>549</td><td>504</td><td>479</td><td>539</td></tr></table>

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
16	11	11	12	11

Remark : Edited based on project and miniproject.

1.3.3	**Percentage of students undertaking project work/field work/ internships (Data for the latest completed academic year**
	1.3.3.1. **Number of students undertaking project work/field work / internships**
	Answer before DVV Verification : 1397
	Answer after DVV Verification: 1397
1.4.1	*Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders*
	1) Students
	2)Teachers
	3)Employers
	4)Alumni
	Answer before DVV Verification : B. Any 3 of the above
	Answer After DVV Verification: B. Any 3 of the above
1.4.2	**Feedback process of the Institution may be classified as follows:**
	Options:
	1. **Feedback collected, analysed and action taken and feedback available on website**
	2. **Feedback collected, analysed and action has been taken**
	3. **Feedback collected and analysed**
	4. **Feedback collected**
	5. **Feedback not collected**
	Answer before DVV Verification : B. Feedback collected, analysed and action has been taken
	Answer After DVV Verification: B. Feedback collected, analysed and action has been taken
2.1.2	**Average percentage of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy) during the last five years (exclusive of supernumerary seats)**
	2.1.2.1. Number of actual students admitted from the reserved categories year-wise during the last five years
	Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16

140	160	178	222	338

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
154	186	190	233	315

2.4.2	**Average percentage of full time teachers with Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt. during the last five years (consider only highest degree for count)** 2.4.2.1. **Number of full time teachers with *Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt.* year wise during the last five years** Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
45	45	39	32	29

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
43	40	38	31	29

Remark : Edited based on the supporting clarification document certified by Principal

2.4.3	**Average teaching experience of full time teachers in the same institution (Data for the latest completed academic year in number of years)** 2.4.3.1. **Total experience of full-time teachers** Answer before DVV Verification : 1237 Answer after DVV Verification: 987 Remark : Considered only full-time teachers and completed years of experience.

3.1.1	**Grants received from Government and non-governmental agencies for research projects, endowments, Chairs in the institution during the last five years (INR in Lakhs)** 3.1.1.1. **Total Grants from Government and non-governmental agencies for research projects , endowments, Chairs in the institution during the last five years (INR in Lakhs)** Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
11.72	26.92	12.35	13.38	9.72

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16

| 11.72 | 27.02 | 11.44 | 12.57 | 9.72 |

Remark : Considered sanction letters of research grants.

3.1.3	**Percentage of departments having Research projects funded by government and non government agencies during the last five years**
	3.1.3.1. **Number of departments having Research projects funded by government and non-government agencies during the last five years**
	Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
2	2	4	3	2

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
2	2	3	3	4

3.1.3.2. **Number of departments offering academic programes**
Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
9	8	8	8	8

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
9	8	8	8	8

Remark : Edited based on the supporting clarification documents certified by Principal

3.3.1	**Number of Ph.Ds registered per eligible teacher during the last five years**
	3.3.1.1. **How many Ph.Ds registered per eligible teacher within last five years**
	Answer before DVV Verification : 6
	Answer after DVV Verification: 3
	3.3.1.2. **Number of teachers recognized as guides during the last five years**
	Answer before DVV Verification : 7
	Answer after DVV Verification: 4
	Remark : Considered research scholars of the affiliating University only. For 3.3.1.2, only research guides recognized during the assessment period considered.
3.3.2	**Number of research papers per teachers in the Journals notified on UGC website during the**

last five years

3.3.2.1. **Number of research papers in the Journals notified on UGC website during the last five years.**

Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
24	24	15	11	9

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
8	5	4	2	6

Remark : Considered research papers in journals listed in UGC CARE and Springer.

3.3.3	**Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years**

3.3.3.1. **Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year-wise during last five years**

Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
21	18	17	14	37

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
3	4	5	2	2

Remark : Considered books / edited volumes with ISBN numbers only.

3.4.3	**Number of extension and outreach programs conducted by the institution through NSS/NCC, Government and Government recognised bodies during the last five years**

3.4.3.1. **Number of extension and outreached Programmes conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., year-wise during the last five years**

Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
6	9	2	4	2

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16

3	5	2	3	2

Remark : Considered extension activities with collaboration.

3.4.4	**Average percentage of students participating in extension activities at 3.4.3. above during last five years**
	3.4.4.1. Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations such as Swachh Bharat, AIDs awareness, Gender issue etc. year-wise during last five years
	Answer before DVV Verification:
	<table><tr><td>2019-20</td><td>2018-19</td><td>2017-18</td><td>2016-17</td><td>2015-16</td></tr><tr><td>368</td><td>580</td><td>269</td><td>588</td><td>562</td></tr></table>
	Answer After DVV Verification :
	<table><tr><td>2019-20</td><td>2018-19</td><td>2017-18</td><td>2016-17</td><td>2015-16</td></tr><tr><td>187</td><td>395</td><td>269</td><td>491</td><td>562</td></tr></table>
	Remark : Edited based on metric 3.4.3.
3.5.1	**Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship per year**
	3.5.1.1. Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship year-wise during the last five years
	Answer before DVV Verification:
	<table><tr><td>2019-20</td><td>2018-19</td><td>2017-18</td><td>2016-17</td><td>2015-16</td></tr><tr><td>2</td><td>3</td><td>1</td><td>3</td><td>0</td></tr></table>
	Answer After DVV Verification :
	<table><tr><td>2019-20</td><td>2018-19</td><td>2017-18</td><td>2016-17</td><td>2015-16</td></tr><tr><td>0</td><td>2</td><td>0</td><td>0</td><td>1</td></tr></table>
	Remark : Considered collaboration documents of assessment period only.
4.1.3	**Percentage of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc.** *(Data for the latest completed academic year)*
	4.1.3.1. Number of classrooms and seminar halls with ICT facilities Answer before DVV Verification : 53 Answer after DVV Verification: 35

	Remark : Considered geotagged photographs of 35 classrooms/seminar halls with ICT facilities.
4.1.4	**Average percentage of expenditure, excluding salary for infrastructure augmentation during last five years(INR in Lakhs)** 4.1.4.1. **Expenditure for infrastructure augmentation, excluding salary year-wise during last five years (INR in lakhs)** Answer before DVV Verification: 	2019-20	2018-19	2017-18	2016-17	2015-16
---	---	---	---	---
199	575	371	545	118 | Answer After DVV Verification : | 2019-20	2018-19	2017-18	2016-17	2015-16
---	---	---	---	---
4.99	230.14	764.92	573.27	188.60	 Remark : Figures arrived from schedule A of Fixed Assets provided by HEI certified by Auditor and counter signed by Principal. This amount is not included in EP 4.2 by HEI. DVV reworked EP 4.2 by adding exp. on infrastructure augmentation.
4.2.2	**The institution has subscription for the following e-resources** 1. **e-journals** 2. **e-ShodhSindhu** 3. **Shodhganga Membership** 4. **e-books** 5. **Databases** 6. **Remote access to e-resources** Answer before DVV Verification : A. Any 4 or more of the above Answer After DVV Verification: B. Any 3 of the above
4.2.3	**Average annual expenditure for purchase of books/e-books and subscription to journals/e-journals during the last five years (INR in Lakhs)** 4.2.3.1. **Annual expenditure of purchase of books/e-books and subscription to journals/e-journals year wise during last five years (INR in Lakhs)** Answer before DVV Verification: 	2019-20	2018-19	2017-18	2016-17	2015-16
---	---	---	---	---
2.40	9.16	13.95	14.84	13.97 | Answer After DVV Verification : | 2019-20	2018-19	2017-18	2016-17	2015-16
---	---	---	---	---
1.86	7.30	12.17	4.21	4.39	

	Remark : Expenditure for books arrived from schedule A of Balance Sheets signed by auditor & Principal for all the 5 years. Bills for journals and e journals provided are considered. In Index of supporting document, it is mentioned as having 69 pages, where as only 49 pages are provided. Considered the bills provided and edited the answers.
5.1.3	**Capacity building and skills enhancement initiatives taken by the institution include the following** 1. **Soft skills** 2. **Language and communication skills** 3. **Life skills (Yoga, physical fitness, health and hygiene)** 4. **ICT/computing skills** Answer before DVV Verification : B. 3 of the above Answer After DVV Verification: C. 2 of the above Remark : Considered sl. nos 1 and 2.
5.1.5	**The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases** 1. **Implementation of guidelines of statutory/regulatory bodies** 2. **Organisation wide awareness and undertakings on policies with zero tolerance** 3. **Mechanisms for submission of online/offline students' grievances** 4. **Timely redressal of the grievances through appropriate committees** Answer before DVV Verification : A. All of the above Answer After DVV Verification: C. 2 of the above Remark : Edited based on 3 and 4.
5.2.2	**Average percentage of students progressing to higher education during the last five years** 5.2.2.1. **Number of outgoing student progression to higher education during last five years** Answer before DVV Verification : 80 Answer after DVV Verification: 78 Remark : Considered supporting documents of admission and excluded repetition of names.
5.3.1	**Number of awards/medals won by students for outstanding performance in sports/cultural activities at inter-university/state/national / international level (award for a team event should be counted as one) during the last five years.** 5.3.1.1. **Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national / international level (award for a team event should be counted as one) year-wise during the last five years.** Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16

19	18	30	07	22

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
1	3	0	0	0

Remark : Not considered certificates issued by HEI and other affiliated institutions, appreciation & participation certificates.

5.3.3	**Average number of sports and cultural events/competitions in which students of the Institution participated during last five years (organised by the institution/other institutions)**

5.3.3.1. **Number of sports and cultural events/competitions in which students of the Institution participated year-wise during last five years**

Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
5	46	14	14	22

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
5	4	4	3	6

Remark : Considered different events held in the HEI / other institutions.

6.2.3	**Implementation of e-governance in areas of operation**

1. **Administration**
2. **Finance and Accounts**
3. **Student Admission and Support**
4. **Examination**

Answer before DVV Verification : B. 3 of the above
Answer After DVV Verification: C. 2 of the above

6.3.3	**Average number of professional development /administrative training programs organized by the institution for teaching and non teaching staff during the last five years**

6.3.3.1. **Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff year-wise during the last five years**

Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
9	4	6	25	11

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
9	4	6	23	11

6.3.4	**Average percentage of teachers undergoing online/ face-to-face Faculty Development Programmes (FDP)during the last five years (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course).**

6.3.4.1. **Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course year-wise during the last five years**

Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
103	169	162	222	115

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
0	0	0	0	0

Remark : No supporting documents as per SOP provided. Web link provided is not functional.

6.5.3	**Quality assurance initiatives of the institution include:**

1. **Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analysed and used for improvements**
2. **Collaborative quality intitiatives with other institution(s)**
3. **Participation in NIRF**
4. **any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)**

Answer before DVV Verification : A. All of the above
Answer After DVV Verification: C. 2 of the above

Remark : Sl no 1 & 4 considered based on the documents provided.

7.1.2	**The Institution has facilities for alternate sources of energy and energy conservation measures**

1. **Solar energy**
2. **Biogas plant**
3. **Wheeling to the Grid**
4. **Sensor-based energy conservation**
5. **Use of LED bulbs/ power efficient equipment**

Answer before DVV Verification : A. 4 or All of the above

Answer After DVV Verification: C. 2 of the above

Remark : Considered sl no. 1 & 5 based on geo tagged photograph. Requested documents not provided.

7.1.4	**Water conservation facilities available in the Institution:** 1. **Rain water harvesting** 2. **Borewell /Open well recharge** 3. **Construction of tanks and bunds** 4. **Waste water recycling** 5. **Maintenance of water bodies and distribution system in the campus** Answer before DVV Verification : A. Any 4 or all of the above Answer After DVV Verification: C. 2 of the above Remark : Considered sl.no. 2 and 3 based on photographs. No other supporting documents
7.1.5	**Green campus initiatives include:** 1. **Restricted entry of automobiles** 2. **Use of Bicycles/ Battery powered vehicles** 3. **Pedestrian Friendly pathways** 4. **Ban on use of Plastic** 5. **landscaping with trees and plants** Answer before DVV Verification : B. 3 of the above Answer After DVV Verification: B. 3 of the above
7.1.6	**Quality audits on environment and energy are regularly undertaken by the Institution and any awards received for such green campus initiatives:** 1. **Green audit** 2. **Energy audit** 3. **Environment audit** 4. **Clean and green campus recognitions / awards** 5. **Beyond the campus environmental promotion activities** Answer before DVV Verification : A. Any 4 or all of the above Answer After DVV Verification: D.1 of the above Remark : Audit reports beyond the assessment period. sl.no. 5 considered based on the report and photographs
7.1.7	**The Institution has disabled-friendly, barrier free environment** 1. **Built environment with ramps/lifts for easy access to classrooms.** 2. **Divyangjan friendly washrooms** 3. **Signage including tactile path, lights, display boards and signposts** 4. **Assistive technology and facilities for Divyangjan accessible website, screen-reading software, mechanized equipment**

	5. **Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading** Answer before DVV Verification : C. 2 of the above Answer After DVV Verification: D.1 of the above
7.1.10	**The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard.** 1. **The Code of Conduct is displayed on the website** 2. **There is a committee to monitor adherence to the Code of Conduct** 3. **Institution organizes professional ethics programmes for students, teachers, administrators and other staff** 4. **Annual awareness programmes on Code of Conduct are organized** Answer before DVV Verification : A. All of the above Answer After DVV Verification: C. 2 of the above Remark : sl. no. 2 and 3 considered based on the reports and photographs,

2.Extended Profile Deviations

ID	Extended Questions
1.1	**Number of courses offered by the Institution across all programs during the last five years** Answer before DVV Verification: <table><tr><td>2019-20</td><td>2018-19</td><td>2017-18</td><td>2016-17</td><td>2015-16</td></tr><tr><td>518</td><td>593</td><td>645</td><td>657</td><td>670</td></tr></table> Answer After DVV Verification: <table><tr><td>2019-20</td><td>2018-19</td><td>2017-18</td><td>2016-17</td><td>2015-16</td></tr><tr><td>386</td><td>362</td><td>362</td><td>362</td><td>361</td></tr></table>
1.2	**Number of programs offered year-wise for last five years** Answer before DVV Verification: <table><tr><td>2019-20</td><td>2018-19</td><td>2017-18</td><td>2016-17</td><td>2015-16</td></tr><tr><td>12</td><td>13</td><td>13</td><td>13</td><td>12</td></tr></table> Answer After DVV Verification: <table><tr><td>2019-20</td><td>2018-19</td><td>2017-18</td><td>2016-17</td><td>2015-16</td></tr><tr><td>12</td><td>13</td><td>13</td><td>13</td><td>12</td></tr></table>
2.1	**Number of students year-wise during last five years** Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
2576	2857	3092	3164	3296

Answer After DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
2576	2857	3092	3164	3296

3.1	**Number of full time teachers year-wise during the last five years** Answer before DVV Verification: 	2019-20	2018-19	2017-18	2016-17	2015-16
190	198	207	222	216 | Answer After DVV Verification: | 2019-20	2018-19	2017-18	2016-17	2015-16
155	169	181	187	183	
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4.1	**Total number of classrooms and seminar halls** Answer before DVV Verification : 64 Answer after DVV Verification : 68

4.2	**Total Expenditure excluding salary year-wise during last five years (INR in Lakhs)** Answer before DVV Verification: 	2019-20	2018-19	2017-18	2016-17	2015-16
1356.83	1460.58	1416.93	1545.44	1369.34 | Answer After DVV Verification: | 2019-20	2018-19	2017-18	2016-17	2015-16
1083.01	1401.11	1890.04	1843.08	1283.58	
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4.3	**Number of Computers** Answer before DVV Verification : 1304 Answer after DVV Verification : 610

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