



YEARLY STATUS REPORT - 2022-2023

Part A	
Data of the Institution	
1.Name of the Institution	MAHARAJA SURAJMAL INSTITUTE OF TECHNOLOGY
• Name of the Head of the institution	PROF. ARCHANA BALYAN
• Designation	DIRECTOR
• Does the institution function from its own campus?	Yes
• Phone no./Alternate phone no.	01145037193
• Mobile No:	9560694778
• Registered e-mail	iqac@msit.in
• Alternate e-mail	director@msit.in
• Address	Maharaja Surajmal Institute of Technology, C-4, Janak Puri
• City/Town	New Delhi
• State/UT	Delhi
• Pin Code	110058
2.Institutional status	
• Affiliated / Constitution Colleges	Affiliated
• Type of Institution	Co-education
• Location	Urban

• Financial Status	Self-financing				
• Name of the Affiliating University	Guru Gobind Singh Indraprastha University				
• Name of the IQAC Coordinator	Prof. Puneet Azad				
• Phone No.	01145037193				
• Alternate phone No.	01145656183				
• Mobile	9560694778				
• IQAC e-mail address	iqac@msit.in				
• Alternate e-mail address	director@msit.in				
3.Website address (Web link of the AQAR (Previous Academic Year)	https://msit.in/media/2023/09/25/aqar-2021-22.pdf				
4.Whether Academic Calendar prepared during the year?	Yes				
• if yes, whether it is uploaded in the Institutional website Web link:	https://msit.in/media/notices/academic-calendar-september-2022-july-2023.pdf				
5.Accreditation Details					
Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 2	A	3.03	2022	21/09/2022	20/09/2027
Cycle 1	A	3.11	2016	05/11/2016	04/11/2021
6.Date of Establishment of IQAC			03/08/2011		
7.Provide the list of funds by Central / State Government UGC/CSIR/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.,					

Institutional/Department /Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Dr. Swati Chaudhary	Teachers associateship for research excellence (TARE)	DST-SERB	2022-23, 1 year	275000
Dr. Jyoti Jain	IEEE PES High performing student branch chapter award	IEEE	2022-23, 1 year	15190
Dr. Neeru Rathee	ISTE Student Chapter Award	ISTE	2022-23, 1 year	25000

8. Whether composition of IQAC as per latest NAAC guidelines	Yes		
<ul style="list-style-type: none"> Upload latest notification of formation of IQAC 	View File		
9.No. of IQAC meetings held during the year	04		
<ul style="list-style-type: none"> Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website? 	Yes		
<ul style="list-style-type: none"> If No, please upload the minutes of the meeting(s) and Action Taken Report 	No File Uploaded		
10. Whether IQAC received funding from any of the funding agency to support its activities during the year?	No		
<ul style="list-style-type: none"> If yes, mention the amount 			
11. Significant contributions made by IQAC during the current year (maximum five bullets)			

IQAC is very actively involved with the holistic growth of the students. A large number of activities such as FDPs, Seminars, Industrial Visits and Workshops are organized throughout the academic session in coordination with various departments and also collectively as a whole for the students of MSIT. A list of significant contributions are as follows: • NAAC accreditation with 'A' Grade

- NBA re-accreditation of ECE, EEE and NBA accreditation (2nd cycle) of CSE and IT departments completed successfully

- ISO Surveillance Audit

- Annual Academic Audit by GGSIPU

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

Plan of Action	Achievements/Outcomes
Enhancement of Industry Academia interaction under industry interaction cell	Training and Internships are provided to students; Five MOUs have been signed; Workshops and FDPs have been conducted for students and faculty
Collaboration with foreign University	Collaboration with Wentworth Institute of Technology (WIT), Boston completed. MOU has also been signed with WIT, Boston on 16 march 2023
Organising International Conference in association with Foreign University	2nd International Conference on Artificial Intelligence and Applications (ICAIA 2024)Conference in association with Wentworth Institute of Technology (WIT), Boston, USA is scheduled to be held on 19-20 March 2024
To increase number of standard books in the library for the benefits of Students and faculty	New books and Journal subscriptions have been added
Preparation of academic calendar and adherence	Academic Calendar for the session 2022-23 was prepared and uploaded on website. Activities have been conducted as per the calender
In-house software development	Development of Softwares for Research publication data "Faculty Publication and Achievement Management System" and Automated student attendance system - "MARKED" have been developed and deployed by team of faculty and students
13. Whether the AQAR was placed before statutory body?	Yes
<ul style="list-style-type: none"> Name of the statutory body 	

Name	Date of meeting(s)
Governing Body	28/12/2023

14. Whether institutional data submitted to AISHE

Year	Date of Submission
2023	06/01/2023

15. Multidisciplinary / interdisciplinary

Maharaja Surajmal Institute of Technology focuses on the overall personality development of students by inculcating 21st-century skills of learners following an Multidisciplinary approach as follows.

- As per the recent revision of the scheme and syllabus of GGSIP University, students have been allowed to choose interdisciplinary courses from Emerging and Open Area Elective groups including subjects such as Artificial Intelligence, Data Science, Data Analytics, Internet of Things, Blockchain, Cloud Computing, Python etc.
- There is also a provision for opting for minor specialization and honors degrees by opting for courses internally in the Institute or through MOOCs.
- The Institute aims at developing all capacities of human beings: intellectual, aesthetic, social, physical, emotional, and moral values in an integrated manner.
- The Institute organizes technical and cultural programs like Techfest, and Genesis to integrate the aspects of humanities and science.
- Lectures are organized by resource persons to inculcate basic scientific knowledge along with humanitarian values among students of technical departments.
- The Institution offers innovative curricula to students that include credit-based courses and projects in the areas of community engagement and service, environmental education, and value-based education for example Yoga Day celebration, Human Rights Day celebration, Women's Day celebration and Environment Day celebration, Blood donations camp in association with Rotary Club etc.
- Institute offers a liberal education, which can unlock all human capacities, intellectual social, physical, aesthetic, emotional, and moral values in an integrated manner.
- The Institute attempts to identify problems prevailing among

the people in our society and aims to solve these problems by organizing various meetings and awareness programs under UBA/NSS/Prakriti cell of the institution. In view of NEP 2020, our institution has organized various programs like Human Rights Day celebration, Industry-academia interactions, Yoga Day celebration, Alumni Meet, etc.

16.Academic bank of credits (ABC):

Academic Bank of Credits has been established on the lines of the National Academic Depository (NAD). All the students of the Institute have registered on Academic Bank of Credit as advised by GGSIP University.

17.Skill development:

The vision of the Institution is to promote value-based Quality education. MSIT makes efforts to inculcate positivity among the learners. The institute has started cells like IEEE Cell, Entrepreneurship Cell (E-Cell), Institute Innovation Cell (IIC) and Industry Institute Interaction Cell (IIIC), National Service Scheme (NSS) for skill development and to provide exposure to the outside environment. Communication Skills Lab is established to conduct activities such as Group discussions, Resume writing, Writing and spoken English improvement, Soft skills, etc.

All departments of the Institute organize various technical seminars, workshops, and industrial visits for exposure to the latest technological developments to the students. In addition, Technical and cultural festivals are also organized at the National Level in which students showcase their talents in various fields.

18.Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course)

Several courses having the concept of Indian Culture as well as Conservation and Preservation of Heritage have been introduced. No language challenges have been encountered because of the urban location of the Institute. The Institute is working towards the inclusion of indigenous knowledge in different courses/events in accordance with the guidelines of Statutory Bodies. Recently, subjects Indian Knowledge Systems, Indian Constitution, Technical Writing, Economics for Engineers, and Communication skills have been included in the Syllabus of B.Tech. Knowledge of these subjects will give exposure to the Indian Knowledge System to the students.

19.Focus on Outcome based education (OBE):Focus on Outcome based education (OBE):

1. Institutional initiatives to transform its curriculum towards

Outcome-based Education (OBE)

"Outcome-Based Education" (OBE) has been adopted in the Institute since 2014. OBE is considered as a giant leap forward to improve the quality of higher education, particularly technical education, and help Indian graduates compete with their global counterparts. Four initiatives taken by the institute to transform its curriculum towards Outcome-based Education (OBE) based on Bloom's Taxonomy are: Program Outcomes (PO), Program Specific Outcomes (PSO), Program Educational Outcomes (PEO), and Course Outcomes (CO)

2. Efforts made by the institution to capture Outcome-based education in teaching and learning practices.

All the course curricula running in the institute have been revised as per outcome outcome-based education framework and COs, POs, and PSOs have been revised.

3. Good practice/s of the institution pertaining to Outcome-based education (OBE) in view of NEP 2020.

i. Financial Support to Assist Students:

There are various Financial Assistance Schemes/ Policies

- Economically Weaker Section (EWS) Scheme

The G.G.S.I.P.U University has the scheme to grant financial assistance to the students of the university belonging to the Economically Weaker Sections of the society. The purpose of the scheme is to enhance the accessibility of students' belongings to the Economically weaker section of society the higher education.

http://www.ipu.ac.in/dsw_policy.php.

- Merit-cum-Means Linked Financial Assistance Scheme:

It is the policy of the Government of the National capital territory of Delhi that students get access to high-quality education provided by Delhi State Universities. The objective of the scheme is to extend financial assistance to the meritorious and needy students pursuing higher education in the NCT of Delhi. Under this scheme the Delhi Higher Education Trust through the Directorate of Higher Education (DHE), GNCTD will fully or partially reimburse the tuition fee paid by the students.

http://www.ipu.ac.in/dsw_policy.php (guidelines)

<https://edistrict.delhigovt.nic.in/>(apply)

- Post Matric Scholarship for SC/ST/OBC students:

Department for the Welfare of SC/ST/OBC has taken over the implementation of the Centrally Sponsored Scheme of Post Matric Scholarship to the students belonging to SC category for pursuing further studies at post-matriculation / post-secondary (college/University) levels within India.

www.scstwelfare.delhigovt.nic.in.

- Centrally Sponsored Schemes (National Scholarship Portal)

National Scholarships Portal is a one-stop solution through which various services starting from student application, application receipt, processing, sanction and disbursement of various scholarships to Students are enabled.

<https://scholarships.gov.in/>

- Pragati Scholarship Scheme for Girls Student

Pragati is an MHRD Scheme being implemented by AICTE aimed at providing assistance for the Advancement of Girls pursuing Technical Education. Education is one of the most important means of empowering women with the knowledge, skill, and self-confidence necessary to participate fully in the development process. This is an attempt to give young women the opportunity to further their education and prepare for a successful future by "Empowering Women through Technical Education".

<https://scholarships.gov.in>

- Saksham Scholarship Scheme for Specially abled student

Saksham is an MHRD Scheme being implemented by AICTE aimed at providing encouragement and support to specially-abled children to pursue Technical Education. This is an attempt to give every young student, who is otherwise specially-abled, the opportunity to study further and prepare for a successful future.

<https://scholarships.gov.in>

- Scholarship provided by SMES

Surajmal Memorial Education Society also provided scholarships of Rs 50,000 each to several ts of MSIT belonging to the Economic Weaker Section

ii. Encouragement to Use Indian Languages: The Institute is encouraging the students by teaching them a new subject Indian Knowledge System that will ensure the preservation & promotion of Indian languages. It will promote the NEP 2020 initiative of encouraging to use of Indian Languages.

iii. Technology in Education: The Institute has installed ICT-enabled smart TVs and Projectors in seminar halls and classrooms that empower the faculty to design and implement interactive teaching-learning. IC tools provide an effective way for acquiring and disseminating information from various sources which provides better knowledge and swifter communication. In this session, 2022-23, several faculty members utilized the facility of ICT for conducting classes.

iv. Digitalization of Teaching-Learning Process: No more traditional classrooms! A dedicated team for developing digital infrastructure including content, digital library, etc. is initiated to meet the needs of students & maximize the learning outcomes. Software for research and attendance has been developed by the In-house teams of the Institute for better connectivity and saving time.

20.Distance education/online education:

The Institute is affiliated with Guru Gobind Singh Indraprastha University, and the Institute does not offer any distance learning programs. However, the option of pursuing MOOC courses is in accordance with the University curriculum and guidelines. As per the new scheme of the University, Students can now opt for MOOC credit-based courses through SWAYAM Portal and receive a B.Tech Honours degree

Extended Profile

1.Programme

1.1 154

Number of courses offered by the institution across all programs during the year

File Description	Documents
Data Template	View File

2.Student

2.1 2836

Number of students during the year

File Description	Documents
Data Template	View File

2.2 176

Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year

File Description	Documents
Data Template	View File

2.3 705

Number of outgoing/ final year students during the year

File Description	Documents
Data Template	View File

3.Academic

3.1 138

Number of full time teachers during the year

File Description	Documents
Data Template	View File

3.2 126

Number of Sanctioned posts during the year

Extended Profile

1. Programme

1.1	154
Number of courses offered by the institution across all programs during the year	

File Description	Documents
Data Template	View File

2. Student

2.1	2836
Number of students during the year	

File Description	Documents
Data Template	View File

2.2	176
Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year	

File Description	Documents
Data Template	View File

2.3	705
Number of outgoing/ final year students during the year	

File Description	Documents
Data Template	View File

3. Academic

3.1	138
Number of full time teachers during the year	

File Description	Documents
Data Template	View File

3.2	126
Number of Sanctioned posts during the year	
File Description	Documents
Data Template	View File
4.Institution	
4.1	39
Total number of Classrooms and Seminar halls	
4.2	664.92145
Total expenditure excluding salary during the year (INR in lakhs)	
4.3	627
Total number of computers on campus for academic purposes	

Part B

CURRICULAR ASPECTS

1.1 - Curricular Planning and Implementation

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

The Maharaja Surajmal Institute of Technology, as an affiliated institution of Guru Gobind Singh Indraprastha University, steadfastly aligns itself with the university's academic framework. The College strictly adheres to the University's academic calendar, encompassing educational schedules and associated activities. In its pursuit of academic excellence, the institution meticulously manages various aspects, including the adjustment of timetables, equitable workload distribution, provision of adequate resources, and regular program evaluations.

Each department within the Institution meticulously curates a selection of skill enhancement and technical enrichment courses as optional subjects. Furthermore, the college organizes an array of co-curricular activities throughout the academic programs to supplement students' learning experiences. Valuable feedback from stakeholders is actively solicited and utilized to enhance the teaching and learning processes.

The Institute has invested considerable efforts to ensure the effective delivery of the curriculum. Information regarding the programs and curriculum is made readily available through online publications and printed prospectus. Timetables for each semester are meticulously prepared well in advance, posted on the college website, and prominently displayed on each floor, facilitating prompt commencement of classes.

The Institution engages highly skilled and motivated professionals in curriculum development, preparation, and inter-assessment. These individuals collaborate with the relevant university departments and parents, collectively ensuring the successful execution of the curriculum. Furthermore, active participation in faculty development programs, conferences, and seminars consistently bolsters academic enrichment.

File Description	Documents
Upload relevant supporting document	No File Uploaded
Link for Additional information	Nil

1.1.2 - The institution adheres to the academic calendar including for the conduct of Continuous Internal Evaluation (CIE)

Maharaja Surajmal Institute of Technology meticulously formulates its academic calendar in alignment with Guru Gobind Singh Indraprastha University's academic schedule. This calendar is made accessible through the college's website and encompasses a comprehensive timeline. It includes key dates such as the commencement and conclusion of each academic session, mid-semester breaks, class dispersal, preparatory leave, and tentative schedules for practical and theory examinations.

The college calendar also incorporates planned guest lectures, seminars, conferences, workshops, educational excursions, project work, and various other academic activities scheduled for the session. At the outset of the academic year, departments allocate subjects to faculty members. These departmental schedules are prepared well in advance, guided by a master timetable, and are displayed on the college's website, campus, and laboratories.

The Institution diligently follows the academic calendar to facilitate the timely completion of syllabi, revision, and internal evaluations. Student performance is continuously assessed

through structured assessments, including tests, assignments, presentations, and mock practical exams. Departments convene regular faculty meetings to ensure the efficient execution of ongoing assessments. To guarantee the punctual completion of syllabi, the teaching plans of each faculty member are collected in advance, and monthly progress reports on the covered syllabus are subsequently obtained.

File Description	Documents
Upload relevant supporting documents	No File Uploaded
Link for Additional information	Nil

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 year. Academic council/BoS of Affiliating University Setting of question papers for UG/PG programs Design and Development of Curriculum for Add on/ certificate/ Diploma Courses Assessment /evaluation process of the affiliating University **A. All of the above**

File Description	Documents
Details of participation of teachers in various bodies/activities provided as a response to the metric	View File
Any additional information	No File Uploaded

1.2 - Academic Flexibility

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

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

File Description	Documents
Any additional information	No File Uploaded
Minutes of relevant Academic Council/ BOS meetings	No File Uploaded
Institutional data in prescribed format (Data Template)	View File

1.2.2 - Number of Add on /Certificate programs offered during the year

1.2.2.1 - How many Add on /Certificate programs are added during the year. Data requirement for year: (As per Data Template)

3

File Description	Documents
Any additional information	No File Uploaded
Brochure or any other document relating to Add on /Certificate programs	No File Uploaded
List of Add on /Certificate programs (Data Template)	View File

1.2.3 - Number of students enrolled in Certificate/ Add-on programs as against the total number of students during the year

223

1.2.3.1 - Number of students enrolled in subject related Certificate or Add-on programs during the year

223

File Description	Documents
Any additional information	No File Uploaded
Details of the students enrolled in Subjects related to certificate/Add-on programs	View File

1.3 - Curriculum Enrichment

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

The Institution adapts various measure to address issues relevant to Professional Ethics, Gender, Human Values, Environment and

Sustainability into the Curriculum as per the following details

Gender Sensitization: Conducted awareness seminars promoting gender equality and mental health. 'Har Ghar Tiranga' event organized by NSS MSIT on Aug 10, 2022.

Human Values & Professional Ethics: Course taught in all engineering branches in the 1st semester to instill ethical values.

Environmental Consciousness: Committees like NSS and Prakriti organize activities (cleanliness drives, tree plantation, and seminars) to raise awareness.

Events Organized:

1. Movie Exhibition on Partition Horrors (Aug 13, 2022) by NSS MSIT, Prakriti MSIT, and UBA Cell.
2. Food Donation Drive (Sept 7, 2022) promoting healthy eating habits.
3. Orphanage & Old Age Home Visit (Dec 24, 2022) engaging with residents.
4. Adios'22 (Dec 28, 2022) farewell event with various activities.
5. Cloth Donation Drive (Dec 5, 2022 - Jan 10, 2023) aiding the needy and promoting sustainability.
6. Annual Sports Day (April 17-18, 2023) celebrating athleticism and teamwork.
7. ENVA'23 Cultural Fest Events: Roohaniyat 23, Adhyay, Senatus, fostering holistic student development.

Community Engagement:

NSS MSIT, Prakriti MSIT, UBA Cell, and other societies contribute to the institution's growth and community engagement through collaborative efforts.

File Description	Documents
Any additional information	No File Uploaded
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum	No File Uploaded

1.3.2 - Number of courses that include experiential learning through project work/field work/internship during the year

29

File Description	Documents
Any additional information	No File Uploaded
Programme / Curriculum/ Syllabus of the courses	No File Uploaded
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	No File Uploaded
MoU's with relevant organizations for these courses, if any	No File Uploaded
Number of courses that include experiential learning through project work/field work/internship (Data Template)	View File

1.3.3 - Number of students undertaking project work/field work/ internships

29

File Description	Documents
Any additional information	No File Uploaded
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	View File

1.4 - Feedback System

1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders
Students
Teachers
Employers
Alumni

A. All of the above

File Description	Documents
URL for stakeholder feedback report	No File Uploaded
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management (Upload)	No File Uploaded
Any additional information(Upload)	No File Uploaded

1.4.2 - Feedback process of the Institution may be classified as follows

A. Feedback collected, analyzed and action taken and feedback available on website

File Description	Documents
Upload any additional information	No File Uploaded
URL for feedback report	Nil

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment Number Number of students admitted during the year

2.1.1.1 - Number of sanctioned seats during the year

726

File Description	Documents
Any additional information	No File Uploaded
Institutional data in prescribed format	View File

2.1.2 - Number of seats filled against seats reserved for various categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy during the year (exclusive of supernumerary seats)

2.1.2.1 - Number of actual students admitted from the reserved categories during the year

86

File Description	Documents
Any additional information	No File Uploaded
Number of seats filled against seats reserved (Data Template)	View File

2.2 - Catering to Student Diversity

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

Quantifying the levels of student competency measures are taken accordingly to address the needs.

Steps taken for advanced learners:

- Provided material related to subjects with references to NPTEL lectures / courses, journals and advanced study material. Encouraged to make presentations, write research papers and participate in Conferences, Seminars and Workshops
- To pursue various internship programs and higher studies, letter of recommendation is provided by HOD and faculty.
- Involvement of students for real time research projects is encouraged. This stimulates out-of-the-box thinking and provides training in planning and carrying out experiments and fieldwork, analysing various outcomes of research projects and publishing results.
- Students are encouraged to participate in National level competitions like Smart India Hackathon, Ideation and Innovation contests organised by Ministry of Education etc.
- Semester toppers and university rank holders are felicitated on the Institute's Annual Day.

Steps taken for slow learners:

- Efforts are made to identify the cause of their problem and appropriate solutions are worked out.
- Teachers coordinate with parents of slow learners so that their needs can be catered.
- Mentor-mentee interaction keeps faculty in constant touch with students, irons out academic and personal issues, stimulates overall personality development.
- Academic problems are addressed in tutorial classes, assignments are evaluated, and suggestions for improvement are made. Some tutorial classes are taken as remedial

sessions for slow learners.

- Encourage them to take part in departmental activities. Those with potential eventually graduate to leadership roles.

File Description	Documents
Link for additional Information	Nil
Upload any additional information	No File Uploaded

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

Number of Students	Number of Teachers
2836	138

File Description	Documents
Any additional information	No File Uploaded

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

Experiment Based Independent Learning: As per the university guidelines, a minimum of eight experiments are to be conducted in each lab. However, two or more experiments are conducted beyond the specified list for relevant courses. Laboratory manuals explaining circuit diagrams, algorithms, and methodologies, required to perform the experiment are available to the course teachers and are given to the students at the commencement of the semester. All the laboratories have excellent hardware and software facilities. Students are encouraged to interact with the course teacher or lab assistant during lab hours to get their doubts clarified on the spot. A continuous assessment system is implemented for the assessment of laboratory work. In addition, all students have to complete two summer training during their 4 years course. With the introduction of the new scheme by the university, six months internship / Major projects have been introduced for students of 2021-25 batch onwards.

Teaching Plan: Subject allocation to each faculty is done well in advance based on several criteria such as their specialization, experience, and proficiency in the subject. Time tables, course

files, lab manuals, and assignments/tutorial sheets are prepared for effective teaching. Coverage of the syllabus is also ensured as per the university lesson plan. Internal assessment tests in each semester are conducted by the university. Question papers are set by university-appointed subject coordinators for the various courses.

File Description	Documents
Upload any additional information	No File Uploaded
Link for additional information	Nil

2.3.2 - Teachers use ICT enabled tools for effective teaching-learning process. Write description in maximum of 200 words

In MSIT, the classrooms are ICT enabled with projectors installed and the campus is enabled with high-speed wifi connection. The faculty at MSIT uses various ICT-enabled tools to enhance the quality of teaching-learning like

1. Microsoft Teams is used to manage and post course-related information- learning material, quizzes, lab submissions and evaluations, assignments, etc.
2. Virtual labs are used to conduct labs through simulations and make understanding of experiments easier.
3. The PPTs are enabled with animations and simulations to improve the effectiveness of the teaching-learning process.
4. The online learning environments are designed to train students in open problem-solving activities.
5. Video lectures are uploaded in suitable platforms for students to use as extra learning resources.
6. Soft copies of lab manuals are mailed to students for the experiments performed.
7. Online quizzes and tests in the form of multiple-choice questions are regularly conducted to record the performance and evaluate the level of learning of the students.

File Description	Documents
Upload any additional information	No File Uploaded
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	Nil

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

2.3.3.1 - Number of mentors

138

File Description	Documents
Upload, number of students enrolled and full time teachers on roll.	No File Uploaded
Circulars pertaining to assigning mentors to mentees	No File Uploaded
mentor/mentee ratio	No File Uploaded

2.4 - Teacher Profile and Quality

2.4.1 - Number of full time teachers against sanctioned posts during the year

138

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	View File
Any additional information	No File Uploaded
List of the faculty members authenticated by the Head of HEI	No File Uploaded

2.4.2 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.B Superspeciality / D.Sc. / D.Litt. during the year (consider only highest degree for count)

2.4.2.1 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.C Superspeciality / D.Sc. / D.Litt. during the year

88

File Description	Documents
Any additional information	No File Uploaded
List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for year(Data Template)	View File

2.4.3 - Number of years of teaching experience of full time teachers in the same institution (Data for the latest completed academic year)

2.4.3.1 - Total experience of full-time teachers

138

File Description	Documents
Any additional information	No File Uploaded
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	View File

2.5 - Evaluation Process and Reforms

2.5.1 - Mechanism of internal assessment is transparent and robust in terms of frequency and mode. Write description within 200 words.

Continuous Internal Evaluation System

The Institution adopts Continuous Internal Evaluation (CIE) System to assess all aspects of a student's development on a continuous basis throughout the year to ensure overall growth of students in every sphere of life. The following steps are implemented to ensure smooth execution of CIE:

- **Awareness on Evaluation Process:** Students are made aware of the evaluation process, all amendments in existing process and procedures along with the timetable, through their class proctor/teacher.

Result Analysis Review Meeting: Meetings for Result Analysis is organized on regular basis by the subject teachers and after every CIE Test. Pass percentage of each course is calculated by dividing the total number of students appeared and passed in each course.

The performance of the students is monitored by class proctors. Thereafter, Parents are briefed about their wards' performance in PTM.

- Remedial Classes are conducted for the slow learners, absentees and the students who participate in Sports, extra curriculum and Placement Interviews.
- External examinations of three hours duration are conducted at the end of every semester for all the theory papers and practical papers. Students should satisfy the eligibility criteria of 75 % attendance in each semester to appear for University Examination.
- Assessment of Industrial / Summer Training / Seminars / Minor Projects / Major Projects are done as per rubrics

File Description	Documents
Any additional information	No File Uploaded
Link for additional information	Nil

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

MSIT is a constituent college of the IPU and is guided by the regulations formulated at University level in all the matters pertaining to syllabi, examination and evaluation. The Exam cell of the Institute handles grievances related to internal examinations, while Head of Departments handles assessment related grievances. There is also a Grievance Cell in the Institute for any other grievance.

College has a transparent and continuous internal assessment system. 25 marks in each paper are awarded through internal assessment while the remaining 75 are awarded by University-appointed examiners on the basis of performance of students in semester-end examinations. The internal assessment is carried out through a mechanism specified by IPU.

5% of the marks are awarded on the basis of attendance and assignments, presentations, and projects. Attendance is calculated as per university rules. A student needs to attend at least 75% of the classes in order to appear in the end-semester examination.

Teachers suggest innovative projects to students to develop their creative skills and to engage them in critical thinking and problem solving.

20% marks are awarded on the basis centralized test conducted by the IPU. Students are informed by IPU about the date and syllabus of the test by issuing academic calendar specifying all the important dates. Evaluated answer scripts are shown to the students.

Students are also informed about the criteria for internal assessment and continuous evaluation during the orientation program. Continuous evaluation is incorporated into teaching plans.

File Description	Documents
Any additional information	No File Uploaded
Link for additional information	Nil

2.6 - Student Performance and Learning Outcomes

2.6.1 - Teachers and students are aware of the stated Programme and course outcomes of the Programmes offered by the institution.

Programme outcomes provide a wide scope of knowledge, skills, abilities and attitudes that students attain while pursuing their graduation course. MSIT offers a number of B.TECH in different disciplines with each having sufficient weightage of fundamental subjects. This provides a strong correlation between Course Outcomes (COs) and Program Outcomes (POs) to develop necessary skills in students to make them proficient engineer. The university curriculum is grouped into different academic components to keep track of addressing of various program outcomes as per the curriculum.

Mechanism of communication of Programme and Course Outcomes:

MSIT has designed effective mechanism to communicate programme and course outcomes to all stakeholders.

Fresher's who are pursuing their career in Engineering, can get the requisite information from the college website as well as from the prospectus.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional information	Nil
Upload COs for all courses (exemplars from Glossary)	No File Uploaded

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

MSIT offers courses in Engineering. Over the duration of their program, students acquire knowledge, skills and abilities that enable them to build a future for themselves while also contributing positively to society and the country at large.

Following are direct and indirect measures for evaluating attainment of PO/CO.

The attainment is evaluated using the following procedure:

1. The Overall Attainment (OA) is divided into three parts: A: 40 % of Internal Attainment (IA) calculated. B: 20% of Course Exit Survey (CES) filled by the students. C: 40% of the End Term marks secured by the students.

2. The part A (direct) is calculated as follows: 80 % of (CO-Wise %attainment of Mid Term/ Class Test) + 20% (CO-Wise %attainment in Assignment).

3. The part B is calculated as follows: - The CES (indirect) is required to be filled by the students at the end of the semester, wherein they are required to give marks (out of 5), based on their understanding of the concepts corresponding to the Course Objectives (CO) of the practical subject. - 20 % of the value of CES filled by the student, is considered corresponding to each CO. 4. The part C (direct) is calculated by finding 40% of the end term marks (out of 75) scored by the students.

PO attainment = (Avg CO as per CO-PO mapping/3) *Subject CO Attainment Value

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional information	Nil

2.6.3 - Pass percentage of Students during the year

2.6.3.1 - Total number of final year students who passed the university examination during the year

693

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	View File
Upload any additional information	No File Uploaded
Paste link for the annual report	Nil

2.7 - Student Satisfaction Survey

2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire) (results and details need to be provided as a weblink)

chrome-extension://efaidnbmnnnibpcajpcglclefindmkaj/https://msit.in/media/2023/12/14/college_feedback_batch-2019-2023.pdf

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 in the institution during the year (INR in Lakhs)

3.1.1.1 - Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

2.75

File Description	Documents
Any additional information	No File Uploaded
e-copies of the grant award letters for sponsored research projects /endowments	No File Uploaded
List of endowments / projects with details of grants(Data Template)	View File

3.1.2 - Number of departments having Research projects funded by government and non government agencies during the year

3.1.2.1 - Number of departments having Research projects funded by government and non-government agencies during the year

1

File Description	Documents
List of research projects and funding details (Data Template)	View File
Any additional information	No File Uploaded
Supporting document from Funding Agency	No File Uploaded
Paste link to funding agency website	Nil

3.1.3 - Number of Seminars/conferences/workshops conducted by the institution during the year

3.1.3.1 - Total number of Seminars/conferences/workshops conducted by the institution during the year

29

File Description	Documents
Report of the event	No File Uploaded
Any additional information	No File Uploaded
List of workshops/seminars during last 5 years (Data Template)	View File

3.2 - Research Publications and Awards

3.2.1 - Number of papers published per teacher in the Journals notified on UGC website during the year

3.2.1.1 - Number of research papers in the Journals notified on UGC website during the year

108

File Description	Documents
Any additional information	No File Uploaded
List of research papers by title, author, department, name and year of publication (Data Template)	View File

3.2.2 - Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during the year

3.2.2.1 - Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings during the year

48

File Description	Documents
Any additional information	No File Uploaded
List books and chapters edited volumes/ books published (Data Template)	View File

3.3 - Extension Activities

3.3.1 - Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the year

Maharaja Surajmal Institute of Technology believes in creating an ambiance that encourages students regularly to serve their best efforts in the neighborhood community and develop a sense of communal & social responsibility. Extension activities can be proven greatly effective in sensitizing students to social issues. The National Service Scheme (NSS) unit / Unnat Bharat Abhiyan, the eco-club, the drama society, and the music society timely organize several programmes to promote the concept and practice of social responsibility. Some extensive activities organized are:

1. Food donation drive on 7th September, 2022
2. Blood Donation camp on 25th August, 2023

3. Clothes Donation Drive on 5th Dec 2022 to 10th Jan 2023

4. Malaria Awareness Nukkad Naatak on 25th April, 2023

5. Orphanage Visit on 27th Dec, 2022

6. Plantation Drive on 24th July, 2023

7. Sign Language Workshop on 23rd Sep, 2022

8. Consumer Right Empowerment on 15th March, 2023

File Description	Documents
Paste link for additional information	https://www.msit.in/media/2023/12/29/uba-reports-22-23.pdf
Upload any additional information	No File Uploaded

3.3.2 - Number of awards and recognitions received for extension activities from government / government recognized bodies during the year

3.3.2.1 - Total number of awards and recognition received for extension activities from Government/ government recognized bodies during the year

42

File Description	Documents
Any additional information	No File Uploaded
Number of awards for extension activities in last 5 year(Data Template)	View File
e-copy of the award letters	No File Uploaded

3.3.3 - Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., (including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organized in collaboration with industry, community and NGOs) during the year

3.3.3.1 - Number of extension and outreach Programs conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year

9

File Description	Documents
Reports of the event organized	No File Uploaded
Any additional information	No File Uploaded
Number of extension and outreach Programmes conducted with industry, community etc for the last year (Data Template)	View File

3.3.4 - Number of students participating in extension activities at 3.3.3. above during the year

3.3.4.1 - Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year

518

File Description	Documents
Report of the event	No File Uploaded
Any additional information	No File Uploaded
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	View File

3.4 - Collaboration

3.4.1 - The Institution has several collaborations/linkages for Faculty exchange, Student exchange, Internship, Field trip, On-the- job training, research etc during the year

496

File Description	Documents
e-copies of linkage related Document	No File Uploaded
Details of linkages with institutions/industries for internship (Data Template)	View File
Any additional information	No File Uploaded

3.4.2 - Number of functional MoUs with national and international institutions, universities, industries, corporate houses etc. during the year

3.4.2.1 - Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. during the year

21

File Description	Documents
e-Copies of the MoUs with institution./ industry/corporate houses	No File Uploaded
Any additional information	No File Uploaded
Details of functional MoUs with institutions of national, international importance, other universities etc during the year	View File

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.

Maharaja Surajmal Institute of Technology is a technologically well-equipped educational institute located in the Institutional area of Janakpuri, New Delhi with a built-up area of 17837 sq.m. It has a campus spread over eight acres of land with beautiful eco-friendly surroundings. The institute runs Bachelor of Technology in CSE, IT, ECE, and EEE streams. The Institute aims to achieve the high standards set by premier technical institutions of the country.

There are 105 well-lit rooms, these are upheld as lecture halls, classrooms, tutorial rooms, and laboratories. There are 44 well-equipped labs for the students of CSE, IT, ECE, and EEE. Labs are also equipped for the students of 'Applied Sciences', 'Applied Mechanics' and 'Electrical Engg, and the college has a specialized 'Workshop' and a well-lit 'Drawing Hall'. A full backup power supply is available for the campus round the clock.

High-speed, around-the-clock internet access using a radio link is also available. Maharaja Surajmal Central Library (MSCL) was started in the year 1982 with a measure collection of Books and Journals. MSIT has a four-story hostel which provides accommodation to 230 students (separately for boys and girls). The Institute offers a sprawling playground of 3 acres with an opportunity to students to excel in sports of their choice such as cricket, football, badminton, Volleyball, etc. The indoor sports facility for Table Tennis, Chess, Carrom, etc. is also available.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

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

MSIT promotes cultural sports and other activities to enhance students' creative and artistic pursuits. The Institute has a sports ground with sports facilities and an auditorium for cultural activities. Mutants Cultural Society is a collective of Four Societies - OCTAVE Music Society, RAMBH Dramatics Society, Unity Street Dance Crew, and Astitva Dance Society. All these societies work hand in hand with each other and as a part of MUTANTS always work for the betterment of the cultural scenario as well as for the upliftment of various talented students of MSIT. With constant support and motivation from the college administration and faculty, the society aims to have well well-planned, well-prepared cultural team in MSIT.

Sports activities are being conducted at MSIT on a regular basis under the direction of the sports committee. Every year sports day meet is organized for the students and faculties to take part in various games and awards are distributed to the winners for their motivation. The National Service Scheme (NSS) unit at MSIT, the eco-club, the drama society, and the music society timely organize several programs to promote the concept and practice of social responsibility. NSS aims at the personality and character development of students in school and college.

MSIT has always fostered an environment keeping gender equity as one of its forefront values and hence arms students with values that contribute in their social development.

Regular events and competitions on Yoga are being conducted.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

4.1.3 - Number of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc.

33

4.1.3.1 - Number of classrooms and seminar halls with ICT facilities

33

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

4.1.4 - Expenditure, excluding salary for infrastructure augmentation during the year (INR in Lakhs)

4.1.4.1 - Expenditure for infrastructure augmentation, excluding salary during the year (INR in lakhs)

65.07

File Description	Documents
Upload any additional information	No File Uploaded
Upload audited utilization statements	No File Uploaded
Upload Details of budget allocation, excluding salary during the year (Data Template)	View File

4.2 - Library as a Learning Resource

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

An integrated library system (ILS), also known as a library management system (LMS), is an enterprise resource planning system for the library, used to track items owned, orders made, bills paid, and patrons who have borrowed etc.

Maharaja Surajmal Institute's Central Library is using "KOHA"

(Developed by Katipo Communications Ltd, New Zealand).

About Koha: Koha is an open-source integrated library system (ILS), Koha includes modules for acquisitions, circulation, cataloging, serials management, authorities, flexible reporting, label printing, multi-format notices, etc.

Maharaja Surajmal Institute’s Libraries are fully automated. All the processes like Management (Record of users and books), Cataloguing, Circulation, Periodicals, Barcoding, Web-OPAC Search etc. are fully done with the help of library management software.

Various modules used are:

- Acquisitions (ordering, receiving, and invoicing materials).
- Cataloging (classifying and indexing materials).
- Circulation (lending materials to patrons and receiving them back).
- Serials (tracking magazine and printed journals holdings).
- Patrons (All the data related to users)
- WebOPAC 24*7 availability (OPAC stand for online public access catalog).

Nature of Automation: Maharaja Surajmal Institute’s Libraries are fully Automated. All the documents are catalogued in KOHA like Books, CDs, Printed Journals, Magazines, etc.

Version: The current version of “Koha” being used is 20.11.9.

Year of Automation: Fully automated since 2006 using LMS “Alice for windows-AFW”. Koha software was purchased in the year 2023.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional Information	Nil

4.2.2 - The institution has subscription for the following e-resources e-journals e- A. Any 4 or more of the above

ShodhSindhu Shodhganga Membership e-books Databases Remote access toe-resources

File Description	Documents
Upload any additional information	No File Uploaded
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	View File

4.2.3 - Expenditure for purchase of books/e-books and subscription to journals/e- journals during the year (INR in Lakhs)

4.2.3.1 - Annual expenditure of purchase of books/e-books and subscription to journals/e-journals during the year (INR in Lakhs)

19.55

File Description	Documents
Any additional information	No File Uploaded
Audited statements of accounts	No File Uploaded
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	View File

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

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

416

File Description	Documents
Any additional information	No File Uploaded
Details of library usage by teachers and students	No File Uploaded

4.3 - IT Infrastructure

4.3.1 - Institution frequently updates its IT facilities including Wi-Fi

Maharaja Surajmal Institute of Technology is technologically well-equipped educational institute in terms of IT infrastructure. It is

making extensive use of ICT resources and makes them available to the students for better learning their courses. There are 33 ICT enabled classrooms and seminar halls for interactive teaching learning.

Various committees like purchase committee, repair and maintenance committee, sports committee, library committee are for the maintenance of policies under college premises. Outsourcing is done for maintenance and repairing of IT infrastructure such as computers, internet facilities including WiFi and broadband. Updating of software is done by its assistants. Laptops/desktops, licensed software, CCTVs, and ACs are maintained/upgraded based on annual maintenance contract. Licensed software common to all departments include Ithenticate Plagiarism Software, Adobe Design and Web Premium, Microsoft Teams etc. However, few licensed software are for departmental use like Smartbear QA complete (CSE), Orell Digital Language software (Applied Sciences), Tanner Tools (ECE), SQL Server 2000 (CSE/IT). There is an adequate access to computers and internet facilities to the students and faculty. Bandwidth available of internet connection in the campus is 600 MBPS.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

4.3.2 - Number of Computers

627

File Description	Documents
Upload any additional information	No File Uploaded
Student – computer ratio	No File Uploaded

4.3.3 - Bandwidth of internet connection in the Institution

A. ? 50MBPS

File Description	Documents
Upload any additional Information	No File Uploaded
Details of available bandwidth of internet connection in the Institution	No File Uploaded

4.4 - Maintenance of Campus Infrastructure

4.4.1 - Expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the year (INR in Lakhs)

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

121.82

File Description	Documents
Upload any additional information	No File Uploaded
Audited statements of accounts.	No File Uploaded
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	View File

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.

The college has policies for the maintenance and operation of infrastructure and other facilities. The institute assigns enough funds for maintenance and repair.

- There is a stock register to record every item after physical verification along with a record of preventive maintenance.
- Regular maintenance of computer laboratory equipment is done by technical staff in each lab.
- There are various Financial Assistance Schemes/Policies e.g. EWS Scheme, Post Matric Scholarship for SC/ST/OBC students, Pragati Scholarship scheme for Girls etc.
- To enhance the communication skills of the students, a Language Lab has been set up with the state of the art infrastructure.
- Outsourcing (AMC) is done for the maintenance and repair of

IT infrastructure such as computers, printers, UPS, and internet facilities including WiFi.

- Regular cleaning of the water tank, paper garbage disposal, pest control, landscaping and maintenance of lawns is done by the caretaker and associated staff
- The caretakers are responsible for the general maintenance of classrooms and the auditorium.
- Lab and Internet facilities are maintained by the computer lab-in-charge. In case of malfunctioning projectors, the College Purchase Committees authorize the repair.
- The institute has on campus banking facility with a branch of Indian Overseas Bank.
- A medical center is available on campus for students and staff, with guidance to reach out to the Psychologist.
- The fire safety committee members are responsible for regularly inspecting the firefighting system to ensure its functioning.
- Codes of conduct are also displayed on the website.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

5.1.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

114

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	No File Uploaded
Upload any additional information	No File Uploaded
Number of students benefited by scholarships and free ships provided by the Government during the year (Data Template)	View File

5.1.2 - Number of students benefitted by scholarships, free ships etc. provided by the institution / non- government agencies during the year

5.1.2.1 - Total number of students benefited by scholarships, free ships, etc provided by the institution / non- government agencies during the year

114

File Description	Documents
Upload any additional information	No File Uploaded
Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	View File

5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) ICT/computing skills

A. All of the above

File Description	Documents
Link to institutional website	Nil
Any additional information	No File Uploaded
Details of capability building and skills enhancement initiatives (Data Template)	View File

5.1.4 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

465

5.1.4.1 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

465

File Description	Documents
Any additional information	No File Uploaded
Number of students benefitted by guidance for competitive examinations and career counseling during the year (Data Template)	View File

5.1.5 - The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organization wide awareness and undertakings on policies with zero tolerance Mechanisms for submission of online/offline students' grievances Timely redressal of the grievances through appropriate committees

A. All of the above

File Description	Documents
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	No File Uploaded
Upload any additional information	No File Uploaded
Details of student grievances including sexual harassment and ragging cases	No File Uploaded

5.2 - Student Progression**5.2.1 - Number of placement of outgoing students during the year****5.2.1.1 - Number of outgoing students placed during the year**

465

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	No File Uploaded

5.2.2 - Number of students progressing to higher education during the year

5.2.2.1 - Number of outgoing student progression to higher education

15

File Description	Documents
Upload supporting data for student/alumni	No File Uploaded
Any additional information	No File Uploaded
Details of student progression to higher education	View File

5.2.3 - Number of students qualifying in state/national/ international level examinations during the year (eg: JAM/CLAT/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations)

5.2.3.1 - Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations) during the year

8

File Description	Documents
Upload supporting data for the same	View File
Any additional information	No File Uploaded

5.3 - Student Participation and Activities

5.3.1 - 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) during the year

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) during the year.

16

File Description	Documents
e-copies of award letters and certificates	No File Uploaded
Any additional information	No File Uploaded
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national/international level (During the year) (Data Template)	View File

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

MSIT believes that the holistic growth of students is possible only when we give a student a platform to express themselves in their areas of interest other than the academic front. We have several societies and SIGs run and managed by Student's coordinator and faculty members. Students play a major role in the execution of these societies, and the role of the faculty is to mentor the student organizers. Various Societies are namely: IEEE, TechSoc, Prakriti/ NSS, Mutant, and Developer Student Club. The IEEE student branch carries out various programs within the college which entail technical project exhibitions, summer project internships, and various other such programs. Special interest groups (SIGs) wherein students educate as well as learn from their peers are encouraged. Various seminar talks, workshops and webinars are also conducted by the student branch. PRAKRITI MSIT student cell emphasizes and increases the consciousness and awareness towards the environment and ecosystem. Developer Student Club (DSC-MSIT) is a community of college students powered by Google. DSC MSIT provides a peer-to-peer learning environment while building solutions for community and local businesses. Geek Room at MSIT is a thriving tech society with a mission to empower individuals in learning coding and technology. BROADCAST MSIT, is a creative hub, a platform, and a network that thrives on media innovation. The National Innovation & Start-up Policy of MSIT, also known as, "NISP" is an initiative ready to support the startup culture at MSIT, New Delhi.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

5.3.3 - Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions)

5.3.3.1 - Number of sports and cultural events/competitions in which students of the Institution participated during the year

37

File Description	Documents
Report of the event	No File Uploaded
Upload any additional information	No File Uploaded
Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions (Data Template)	View File

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

Maharaja Surajmal Institute of Technology is a prestigious institution that has produced 8000+ accomplished graduates in a variety of professions. Founded in 2019, MSIT Alumni Association is an independent, registered organization that includes more than 4000 alumni working in different countries and works to strengthen relationships. The Alumni Affairs Advisory Committee is comprised of faculty members and students. . The association consists of faculty members from all departments including Dr. Richa Gupta (Convener), Dr. Kavita Sheron, Dr. Sonika Malik, Dr. Deepshikha Yadav, Dr. Sakshi Rajput, Dr. Shilpam Malik, Dr. Meenakshi Tomar, Ms. Sonia Khatri and Ms. Vaani and six founder students Mr.Rishabh Mathur (ECE), Mr. Siddharatha Kukreti (CSE), Ms. Pragati Sharma (CSE), Ms. Priya Sharma (ECE), Mr. Siddharth Sharma (ECE) and Mr. Rahul Rajpal (IT). MSIT Alumni Association is dedicated to

creating a unified platform for graduates of the Institute. The primary goal seems to be to strengthen the connections among alumni and foster relationships with other individuals associated with the institute. This common platform could serve various purposes, such as networking, collaboration, and the exchange of knowledge and experiences among the alumni community. Recently, Maharaja Surajmal Institute of Technology held its annual Alumni Meet on November 25, 2023. We have a separate website for alumni <http://msitalumni.com> developed by the students of MSIT.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

5.4.2 - Alumni contribution during the year A. ? 5Lakhs (INR in Lakhs)

File Description	Documents
Upload any additional information	No File Uploaded

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

The governance of the institution is reflective of and in tune with the vision and mission of the institution. The Vision and Mission statement of the institution is defined in terms of addressing the needs of students and the society it seeks to serve. The Vision is: To become one of the most admired centers of academic excellence in the field of Engineering and technology for the all-round professional development of students to enable them to meet the growing technological needs of the country. The Mission isto develop a new paradigm in imparting education in the fields of Engineering and Technology and imbibing national values leading to student empowerment, with a view to preparing them to meet the national and global challenges. The college recognizes the potential of teachers to be important stakeholders in the translation of the vision and mission statements and hence ensures that the faculty becomes a part of each academic and administrative body at one level or the other. A team of teachers

form the Academic Affairs Committee, Anti Ragging Committee, Student Affairs Committee, Internal Complaints Committee, Grievance Committee, Examination Committee, Research Committee, and Library Committee, and are engaged in policy formulation, planning, execution and monitoring of the various activities in the institution. A well-organized structure that includes participative leadership from all its stakeholders at different levels enables the successful accomplishment of its perspective plans envisaged every year and maintains the quality of the institution.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

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

Effective leadership is visible in various institutional practices such as decentralization and participative management. The well-defined systems and organizational structure of the institute leads to effective leadership at various levels be it at the management level or the staff. The various management bodies for the development of policies, forming their guidelines, their implementation and regulation and timely monitoring are: 1. The Governing Body, 2. Academic Council, 3. Finance Committee, 4. Anti-ragging/Discipline Committee, 5. Disaster Management Committee. The various bodies headed by the faculty are : 1. Discipline Committee, 2. Exam cell, 3. E-cell, 4. Grievance cell, 5. NSS/Prakriti, 6. Unnat Bharat Abhiyan, 7. IEEE

The institution practices a fine decentralized and participative management approach towards all its activities and initiatives. All these teams include Deans, In-charges, Heads of the departments faculty members, and students at all possible levels to imbibe a sense of leadership among them. Teachers form a core part of all the committees that fulfill the academic or workload /admission requirements of the college. The Dean of the institute forms the academic calendar which lists dates of teaching periods, examinations, holidays, health programs, sports and cultural activities. Committees for development and purchase, discipline and code of conduct such as the General Purchase Committee, the Anti-Ragging Cell, the Discipline Committee are also headed by the

faculty members to help the students at every point of time. Faculty members also develop discipline, equality and community spirit in the students through committees such as the Prakrirti and the National Service Scheme (NSS).

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

Curriculum Development

Since affiliated Institutions are not allowed to design their curricula senior faculty members from our college have been a part of the curriculum development committee formulated by the University and have contributed to curriculum development. For every semester subject coordinators are selected from affiliated Institutes.

Teaching and Learning

Teaching and learning methodology includes brainstorming, presentations, quizzes, hands-on activities, etc. We provide Computer Laboratories with the latest configuration hardware and original licensed software. Wide access to internet facilities in labs, browsing centers, and libraries to inculcate online learning management resources. The campus is Wi-Fi.

Examination and Evaluation

As per University rules, there is one Midterm examination conducted in a semester by the institution and the end-term examination is conducted by the University by the end of each semester, which in turn is a centralized procedure. Continuous evaluation is done through class tests, assignments, viva, and presentations.

Research and Development

The institute has subscriptions to various online research journals and books to provide the latest resources. The institute

motivates the faculty members to attend research-oriented seminars/workshops/conferences, etc., by providing special duty leave and also the fees required for attending the above. The institute recognizes and awards faculty publishing in reputed journals.

Industry Initiative/Collaboration

The Institute has constituted the Institute Industry Cell for better collaboration between the Institute and industry. The cell arranges internship programs for students. This provides a unique opportunity for students to apply the concepts practically.

File Description	Documents
Strategic Plan and deployment documents on the website	No File Uploaded
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

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

The Governing Body consists of 21 members. Under the leadership of the Chairman, they look into the matters of administration and decision-making, finances and regulation, purchases and development, and quality assurance of the college. The body also appoints the director and deputy director of the institute. The Director of the institute supervises and manages the overall functioning of the college. The Head of the department works in collaboration with its staff members to manage the overall functioning of the department. The senior accountant manages the matters related to internal finances and financial audit of the college. Financial decisions are taken by the senior accountant and the director in consultation with the Governing Body. The library is headed by the Librarian who supervises the library assistants and attendants in maintaining the upkeep of the library. The librarian also works with the Library Committee to upgrade the academic resources and facilities in the library. The Administrative Staff of the college is also well-defined, with positions according to the University rules and the UGC. The administrative decisions are implemented through the Administrative Officer, who is assisted by a team of section officers from the administration and the accounts section. The

caretaker supervises the maintenance of the infrastructure and the working of housekeeping staff, electricians, gardeners, etc. Notice the display system for students and other stakeholders on the website. Regular display of audited balance sheets is done on the website. Automation software is available in the Library. The accounts section is fully computerized.

File Description	Documents
Paste link for additional information	Nil
Link to Organogram of the Institution webpage	Nil
Upload any additional information	No File Uploaded

6.2.3 - Implementation of e-governance in areas of operation Administration Finance and Accounts Student Admission and Support Examination

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Document	No File Uploaded
Screen shots of user interfaces	No File Uploaded
Any additional information	No File Uploaded
Details of implementation of e-governance in areas of operation, Administration etc (Data Template)	View File

6.3 - Faculty Empowerment Strategies

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

The following are the welfare measures extended to the teaching and non-teaching staff of the Institute: Teaching Staff Personal computers are provided to individual faculty members. All the regularised teaching staff members are covered under the Employees Provident Fund Scheme and Group Savings Linked Insurance Scheme (GSLI). Maternity Leave for female staff members and paternity leave for male staff is granted. Special casual leaves are sanctioned for attending conferences and workshops. Study leave is granted for higher education and qualification improvement.

Incentives for R&D activities, Seed Money for Initiating Research Work Incentives for publication in Journals and Conferences. Recognition of the faculty with the "Best Teacher Award". A college-appointed counselor is there for faculty and students. There are staff quarters within the college campus to provide accommodation for the faculty. Non-teaching staff Maternity Leave for female staff members and paternity leave for male staff. Recognition of the staff with "Best Employee Award".

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

6.3.2 - Number of teachers provided with financial support to attend conferences/ workshops and towards membership fee of professional bodies during the year

6.3.2.1 - Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the year

11

File Description	Documents
Upload any additional information	No File Uploaded
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	View File

6.3.3 - Number of professional development /administrative training programs organized by the institution for teaching and non-teaching staff during the year

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

2

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	No File Uploaded
Reports of Academic Staff College or similar centers	No File Uploaded
Upload any additional information	No File Uploaded
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	View File

6.3.4 - Number of teachers undergoing online/face-to-face Faculty development Programmes (FDP) during the year (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc.)

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

90

File Description	Documents
IQAC report summary	No File Uploaded
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	No File Uploaded
Upload any additional information	No File Uploaded
Details of teachers attending professional development programmes during the year (Data Template)	View File

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

Institutions Performance Appraisal System for teaching and non-teaching staff Appraisal for the teaching staff: Appraisal for teaching staff is based on the Annual Confidential Report (ACR) proforma filled and submitted by individual faculty. The proforma

provides details about individual teacher's performance in teaching-learning and evaluation-related activities along with research and academic contributions and administrative support and contribution in extra- and co-curricular activities. The filled proforma is then reviewed by the HOD and the director of the institute. The final performance functioning status of the faculty is set up and confidentially maintained in the office of the institute. Apart from the annual appraisal provided to the faculty, the best faculty award is also given to a faculty on an annual day. The faculty is selected from the annual progress report provided by each faculty where they mention all the academic, administrative, and research work they have contributed to the institute. The faculty is given a best faculty certificate and a cash amount to encourage others to do the same. To encourage the research in faculty members, they are provided with Rs 5,000 for each SCI/ SCIE publication.

Appraisal for the non-teaching staff: Appraisal for non-teaching staff is based on the Annual Confidential Report (ACR) proforma filled and submitted by individual non-teaching staff. Every non-teaching staff member of the institute fills the prescribed proforma for self-appraisal. Every year a best faculty (teaching) award and the best employee (non-teaching) award are given to the staff.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly Enumerate the various internal and external financial audits carried out during the year with the mechanism for settling audit objections within a maximum of 200 words

In our Institute both the audits i.e. Internal as well as External/Statutory audits are being carried out on a monthly and yearly basis. The Internal audit is being done on a monthly basis wherein each and every voucher, ledger, bank book, cash book, etc. is checked in depth. In this audit, the statutory dues and their challans are checked to see that all the statutory requirements are met on time. Monthly reconciliations of bank, cash, and ledgers are being done under this audit. All the fee receipts are checked with the strength of the students. In this audit, a

special separate audit was conducted in the month of December every year wherein all the stocks and fixed assets are checked and verified. The External/Statutory audit is being done on an annual basis. This is basically a Balance Sheet audit wherein the basic vouching is checked on a random basis and the main stress was on the Statutory Compliances. In this audit, it is to be seen that all the accepted accounting standards are being followed and are to be shown in the Balance Sheet. The auditors have to see that the Balance Sheet and Income Expenditure account give a true and fair view of the accounts. The final Balance Sheet is signed by the statutory auditors.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

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

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

Nil

File Description	Documents
Annual statements of accounts	No File Uploaded
Any additional information	No File Uploaded
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)	No File Uploaded

6.4.3 - Institutional strategies for mobilization of funds and the optimal utilization of resources

The institution has classified each department as a separate cost center and all the expenses incurred are debited. At the beginning of each year, every department furnishes revenue and capital budget which are reviewed and approved by the management Governing Body. The budget is reviewed by the treasurer, secretary, and director every quarter. Whenever any deviation occurs in the budget, respective HODs have to address the issue and give justification so that subsequently the same will be approved.

Following this procedure, unnecessary purchases are avoided and the available funds are effectively utilized. Funds are provided for best faculty awards and research awards. Funds are also provided for the annual technical and cultural fests. Students generally find sponsors for various events. The library and laboratory are regularly updated by purchasing various items by the purchasing team. Faculty are provided with financial aid to attend conferences and workshops. All financial bills and relevant documents are reviewed by the accountant. Transparency is maintained during the entire process.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

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

Internal Quality Assurance Cell (IQAC) has contributed significantly to institutionalizing quality assurance strategies and processes Three practices with IQAC initiatives are: (i) Academic and Administrative Audit of Departments and (ii) Acquiring Targets and Objectives for setting up strategies (iii) Feedback mechanism.

1. Academic and Administrative Audit (AAA): Academic Administrative Audit (AAA) is conducted at 3 levels. There are internal auditors (primarily constituted by IQAC members), responsible for managing all internal processes. All observations are discussed and subsequent actions are taken. There is an external academic committee (Constituted by eminent professors from other reputed Institutes). This committee analyses and assesses the academic progress every six months. Finally, there are certified auditors like ISO, Joint Assessment Committee (from university and state Govt), NBA, and NAAC for accreditation.

2. Acquiring Targets & Objectives Defining clear objectives and targets is a critical first step in making decisions about the quality education system; enabling setting up strategies, plans, and policies, relatively minor regulatory and governance reforms, or large-scale infrastructure investments.

3. **Feedback mechanism:** The College has implemented a feedback system for students based on institutional parameters such as infrastructure and facilities, curriculum delivery and pedagogy, discipline and environment, staff and support, and so on. The feedback submitted online is anonymous and hence generally fair. The feedback is analyzed, and measures are taken for reform and redressed. Feedback from the stakeholders (students, faculty, alumni, industry experts, and parents) is also taken for consideration.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

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

- Seminars and workshops conducted for the faculty for quality improvement in the teaching learning process.
- Examining students by conducting internal, pre-final and external test assessments.
- Organizing industrial visits and seminars for the students.
- Arrangement of remedial classes, doubt clearing classes for weak students by the respective subject teacher.
- Increased usage of ICT tools in teaching learning process
- Preparation of course plan at the beginning of every session and circulating it among the students.
- Regular Parent Teacher Meetings are held.
- Parents are cordially invited for Orientation Programme of their wards on their first Day of College every year.
- Parents are invited in Stakeholder's Meeting.
- Parents are invited for Appreciation Ceremony of Meritorious Students on Annual Day
- Encouraging Innovation Cell activities
- Promoting Faculty Student Entrepreneurship initiatives

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

6.5.3 - Quality assurance initiatives of the institution include: Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analyzed and used for improvements Collaborative quality initiatives with other institution(s) Participation in NIRF any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)

A. All of the above

File Description	Documents
Paste web link of Annual reports of Institution	Nil
Upload e-copies of the accreditations and certifications	No File Uploaded
Upload any additional information	No File Uploaded
Upload details of Quality assurance initiatives of the institution (Data Template)	View File

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 year

1. The Institute has installed on-campus CCTV surveillance for the safety and security of everybody on the campus.
2. Women are given decision-making positions in core committees such as grievance cell, discipline committees, and other core committees of the institute.
3. Students are taught the subject "Human values and ethics" in their undergraduate course to inculcate values and social ethics among them.
4. Prakriti MSIT and NSS are proactive in organizing seminars and workshops on social awareness issues that also include gender sensitization-related topics.
5. The institute also organizes Seminars on Mental Health for their well-being and health.
6. Advocating the need for safety for women, a yearly self-defense workshop is conducted to arm female students with the means to defend themselves if the need arises, while emphasizing the measures that can be used by them to escape.
7. Committees such as the Internal Complaint Committee and

Grievance Redressal Committee have been formed to address gender inequality and sexual harassment cases.

File Description	Documents
Annual gender sensitization action plan	Nil
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	Nil

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation measures Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power efficient equipment

C. Any 2 of the above

File Description	Documents
Geo tagged Photographs	View File
Any other relevant information	No File Uploaded

7.1.3 - Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management Waste recycling system Hazardous chemicals and radioactive waste management

E-waste Management Institute has a scheme by which Electronic and computer accessories that are declared "Obsolete" are exchanged with new equipment under the old buyback scheme. The institute has also donated old computers to a school in Shyamli.

Hazardous waste management

There is no hazardous waste material produced in the Institute except in laboratories like chemistry. Adequate exhaust provisions are made in these laboratories to drive out acid fumes. Other Waste Management Paper waste is regularly sold to outside agencies. The answer sheets are shredded and sold to licensed purchasers. Chemical fire extinguishers are charged periodically from outside licensed agencies. The Institute has taken initiatives to make the system paperless. E-documentation policy

is promoted in administrative offices and other departments. Group E-mail services are also used in the Institute. One-sided A-4 sheets are reused for printing.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	No File Uploaded
Geo tagged photographs of the facilities	Nil
Any other relevant information	No File Uploaded

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus A. Any 4 or all of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Any other relevant information	No File Uploaded

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows: A. Any 4 or All of the above

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

File Description	Documents
Geo tagged photos / videos of the facilities	View File
Any other relevant documents	No File Uploaded

7.1.6 - Quality audits on environment and energy are regularly undertaken by the institution

7.1.6.1 - The institutional environment and energy initiatives are confirmed through the following 1.Green audit 2. Energy audit 3.Environment audit 4.Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities

B. Any 3 of the above

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	No File Uploaded
Certification by the auditing agency	View File
Certificates of the awards received	No File Uploaded
Any other relevant information	No File Uploaded

7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (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

A. Any 4 or all of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Policy documents and information brochures on the support to be provided	No File Uploaded
Details of the Software procured for providing the assistance	No File Uploaded
Any other relevant information	No File Uploaded

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 200 words).

1. The Institution makes efforts to provide an inclusive environment.
2. To manage the issues of minorities, the SC/ ST cell is working actively in the Institute.
3. Prakriti MSIT is working proactively for the benefit of socially and economically underprivileged people by donating old clothes and sensitizing them about social issues.
4. The UBA Cell team has strived to include students and teachers from various departments of the Institute by organizing talks and brainstorming sessions to plan activities and discuss solutions to the village's problems.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	View File
Any other relevant information	No File Uploaded

7.1.9 - Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens

At MSIT everyone is taught about social obligations: values, duties, rights, and responsibilities as per the law. To sensitize the students and employees of the institution the following activities are followed:

1. Vision and Mission of the Institute and departments have been defined.
2. The institute follows GGSIPU's Code of conduct. <https://www.msit.in/media/news/reporting-for-admission-2018-19.pdf>
3. The institute conducts an orientation program for new students admitted to B.Tech every year wherein the students are informed about the code of conduct for students to follow. The institute also organizes annual awareness programs for the faculty members, administration, and other staff members of the institute.
4. The students abide by the rules of no ragging. They are required to submit anti anti-ragging affidavit to affirm it.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	View File
Any other relevant information	No File Uploaded

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. The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff 4. Annual awareness programmes on Code of Conduct are organized

File Description	Documents
Code of ethics policy document	No File Uploaded
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims	No File Uploaded
Any other relevant information	No File Uploaded

7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals

The Institution organizes national and international commemorative days and festivals as best practices and social responsibilities. The students participate enthusiastically in the celebration of these events and various cultural activities throughout the year. Various on-campus as well as off-campus events/ seminars/ workshops are organized by Prakriti committee, Unnat Bharat Abhiyaan committee of the Institute such as: Yoga for Well-being on Yoga Day, Blood Donation Camp, Biodiversity Park visit on International Day of Biological Diversity etc. Institute Innovation Cell organized a workshop to celebrate Innovation Day.

A tree plantation drive is organized every year to promote trees and plants.

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	View File
Geo tagged photographs of some of the events	No File Uploaded
Any other relevant information	No File Uploaded

7.2 - Best Practices

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

Title of the Best Practices- NBA accreditation in all courses

1. The objective of the Practice -The Context- The purpose of NBA accreditation is to ensure excellence in technical education and focus on outcome-based education. 2. The Practice - Collaborative and independent learning among the students is promoted. To enhance the learning experience of students, several experiments beyond the minimum specified by the university are also performed by individual students to encourage learning beyond the curriculum. 3. Evidence of Success -The Institute received NBA accreditation initially for two departments (CSE & IT) in 2016 which was valid for 3 years. In 2018, the Institute received NBA accreditation for ECE & EEE (now reaccredited till 2025). In 2019, the departments of CSE & IT received reaccreditation from the NBA (valid till 2022) and now have been accredited (cycle 2) till 2025.

Title of the Best Practices- ISO 9001:2015

1. Objective of the Practice -The Context- ISO 9001:2015 is a quality management system that helps an organization organize its processes, improve the efficiency of its processes, and continually improve the processes. The Practice - Every year two internal audits are conducted, one in each semester. These internal audits ensure that all the processes are smoothly running in the institute and if there are certain issues regarding the smooth conduct of these processes. Evidence of Success - This quality system is perfectly implemented every year. All the records of internal audits and MOMs of management review meetings are maintained with the Quality System Coordinator (QSC).

File Description	Documents
Best practices in the Institutional web site	No File Uploaded
Any other relevant information	No File Uploaded

7.3 - Institutional Distinctiveness

7.3.1 - Portray the performance of the Institution in one area distinctive to its priority and thrust within 200 words

The Institute has a well-qualified and experienced faculty. The most contemporary teaching methodology at MSIT provides ample opportunity for students to develop into all round professionals by keeping abreast of the ever changing technologies. The Institute aims to achieve and excel the high standards set by premiere technical institutions of the country. The traditional classroom teaching is supplemented by regular tests, tutorials, group discussions, extensive lab work, projects, seminars and industrial exposure by way of industry visits and summer training. Eminent academicians & professionals are invited as visiting faculty to teach & guide specific courses. While teaching engineering fundamentals, keeping pace with the evolving definitions and concepts, a sincere effort is also made to cover the latest in each subject area. The classroom atmosphere is synergetic with interactive and participative sessions. This makes learning proactive and instils in the students a sense of team spirit, responsibility and professional integrity. It helps in building a healthy student-faculty bond, which develops students to their fullest potential and harnesses the best in the teachers. The institute also has a very strong Alumni Association. The alumni always participate in the cultural and academic activities of the college. In the recent past, we had students who are posted Civil services, Google, Microsoft and other organizations of high repute. Our students achieve several ranks at the University level examinations every year and excel in Sports as well, carrying forward the legacy of their illustrious seniors.

Part B

CURRICULAR ASPECTS

1.1 - Curricular Planning and Implementation

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

The Maharaja Surajmal Institute of Technology, as an affiliated institution of Guru Gobind Singh Indraprastha University, steadfastly aligns itself with the university's academic framework. The College strictly adheres to the University's academic calendar, encompassing educational schedules and associated activities. In its pursuit of academic excellence, the institution meticulously manages various aspects, including the adjustment of timetables, equitable workload distribution, provision of adequate resources, and regular program evaluations.

Each department within the Institution meticulously curates a selection of skill enhancement and technical enrichment courses as optional subjects. Furthermore, the college organizes an array of co-curricular activities throughout the academic programs to supplement students' learning experiences. Valuable feedback from stakeholders is actively solicited and utilized to enhance the teaching and learning processes.

The Institute has invested considerable efforts to ensure the effective delivery of the curriculum. Information regarding the programs and curriculum is made readily available through online publications and printed prospectus. Timetables for each semester are meticulously prepared well in advance, posted on the college website, and prominently displayed on each floor, facilitating prompt commencement of classes.

The Institution engages highly skilled and motivated professionals in curriculum development, preparation, and inter-assessment. These individuals collaborate with the relevant university departments and parents, collectively ensuring the successful execution of the curriculum. Furthermore, active participation in faculty development programs, conferences, and seminars consistently bolsters academic enrichment.

File Description	Documents
Upload relevant supporting document	No File Uploaded
Link for Additional information	Nil

1.1.2 - The institution adheres to the academic calendar including for the conduct of Continuous Internal Evaluation (CIE)

Maharaja Surajmal Institute of Technology meticulously formulates its academic calendar in alignment with Guru Gobind Singh Indraprastha University's academic schedule. This calendar is made accessible through the college's website and encompasses a comprehensive timeline. It includes key dates such as the commencement and conclusion of each academic session, mid-semester breaks, class dispersal, preparatory leave, and tentative schedules for practical and theory examinations.

The college calendar also incorporates planned guest lectures, seminars, conferences, workshops, educational excursions, project work, and various other academic activities scheduled for the session. At the outset of the academic year, departments allocate subjects to faculty members. These departmental schedules are prepared well in advance, guided by a master timetable, and are displayed on the college's website, campus, and laboratories.

The Institution diligently follows the academic calendar to facilitate the timely completion of syllabi, revision, and internal evaluations. Student performance is continuously assessed through structured assessments, including tests, assignments, presentations, and mock practical exams. Departments convene regular faculty meetings to ensure the efficient execution of ongoing assessments. To guarantee the punctual completion of syllabi, the teaching plans of each faculty member are collected in advance, and monthly progress reports on the covered syllabus are subsequently obtained.

File Description	Documents
Upload relevant supporting documents	No File Uploaded
Link for Additional information	Nil

<p>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 year. Academic council/BoS of Affiliating University Setting of question papers for UG/PG programs Design and Development of Curriculum for Add on/ certificate/ Diploma Courses Assessment /evaluation process of the affiliating University</p>	<p>A. All of the above</p>								
<table border="1"> <thead> <tr> <th data-bbox="92 689 531 757">File Description</th> <th data-bbox="539 689 1394 757">Documents</th> </tr> </thead> <tbody> <tr> <td data-bbox="92 757 531 936">Details of participation of teachers in various bodies/activities provided as a response to the metric</td> <td data-bbox="539 757 1394 936" style="text-align: center;">View File</td> </tr> <tr> <td data-bbox="92 936 531 1003">Any additional information</td> <td data-bbox="539 936 1394 1003" style="text-align: center;">No File Uploaded</td> </tr> </tbody> </table>	File Description	Documents	Details of participation of teachers in various bodies/activities provided as a response to the metric	View File	Any additional information	No File Uploaded			
File Description	Documents								
Details of participation of teachers in various bodies/activities provided as a response to the metric	View File								
Any additional information	No File Uploaded								
<p>1.2 - Academic Flexibility</p>									
<p>1.2.1 - Number of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented</p>									
<p>1.2.1.1 - Number of Programmes in which CBCS/ Elective course system implemented</p>									
<p>4</p>									
<table border="1"> <thead> <tr> <th data-bbox="92 1339 531 1406">File Description</th> <th data-bbox="539 1339 1394 1406">Documents</th> </tr> </thead> <tbody> <tr> <td data-bbox="92 1406 531 1473">Any additional information</td> <td data-bbox="539 1406 1394 1473" style="text-align: center;">No File Uploaded</td> </tr> <tr> <td data-bbox="92 1473 531 1574">Minutes of relevant Academic Council/ BOS meetings</td> <td data-bbox="539 1473 1394 1574" style="text-align: center;">No File Uploaded</td> </tr> <tr> <td data-bbox="92 1574 531 1686">Institutional data in prescribed format (Data Template)</td> <td data-bbox="539 1574 1394 1686" style="text-align: center;">View File</td> </tr> </tbody> </table>	File Description	Documents	Any additional information	No File Uploaded	Minutes of relevant Academic Council/ BOS meetings	No File Uploaded	Institutional data in prescribed format (Data Template)	View File	
File Description	Documents								
Any additional information	No File Uploaded								
Minutes of relevant Academic Council/ BOS meetings	No File Uploaded								
Institutional data in prescribed format (Data Template)	View File								
<p>1.2.2 - Number of Add on /Certificate programs offered during the year</p>									
<p>1.2.2.1 - How many Add on /Certificate programs are added during the year. Data requirement for year: (As per Data Template)</p>									
<p>3</p>									

File Description	Documents
Any additional information	No File Uploaded
Brochure or any other document relating to Add on /Certificate programs	No File Uploaded
List of Add on /Certificate programs (Data Template)	View File

1.2.3 - Number of students enrolled in Certificate/ Add-on programs as against the total number of students during the year

223

1.2.3.1 - Number of students enrolled in subject related Certificate or Add-on programs during the year

223

File Description	Documents
Any additional information	No File Uploaded
Details of the students enrolled in Subjects related to certificate/Add-on programs	View File

1.3 - Curriculum Enrichment

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

The Institution adapts various measure to address issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum as per the following details

Gender Sensitization: Conducted awareness seminars promoting gender equality and mental health. 'Har Ghar Tiranga' event organized by NSS MSIT on Aug 10, 2022.

Human Values & Professional Ethics: Course taught in all engineering branches in the 1st semester to instill ethical values.

Environmental Consciousness: Committees like NSS and Prakriti organize activities (cleanliness drives, tree plantation, and seminars) to raise awareness.

Events Organized:

1. Movie Exhibition on Partition Horrors (Aug 13, 2022) by NSS MSIT, Prakriti MSIT, and UBA Cell.
2. Food Donation Drive (Sept 7, 2022) promoting healthy eating habits.
3. Orphanage & Old Age Home Visit (Dec 24, 2022) engaging with residents.
4. Adios'22 (Dec 28, 2022) farewell event with various activities.
5. Cloth Donation Drive (Dec 5, 2022 - Jan 10, 2023) aiding the needy and promoting sustainability.
6. Annual Sports Day (April 17-18, 2023) celebrating athleticism and teamwork.
7. ENVA'23 Cultural Fest Events: Roohaniyat 23, Adhyay, Senatus, fostering holistic student development.

Community Engagement:

NSS MSIT, Prakriti MSIT, UBA Cell, and other societies contribute to the institution's growth and community engagement through collaborative efforts.

File Description	Documents
Any additional information	No File Uploaded
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum	No File Uploaded

1.3.2 - Number of courses that include experiential learning through project work/field work/internship during the year

29

File Description	Documents
Any additional information	No File Uploaded
Programme / Curriculum/ Syllabus of the courses	No File Uploaded
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	No File Uploaded
MoU's with relevant organizations for these courses, if any	No File Uploaded
Number of courses that include experiential learning through project work/field work/internship (Data Template)	View File

1.3.3 - Number of students undertaking project work/field work/ internships

29

File Description	Documents
Any additional information	No File Uploaded
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	View File

1.4 - Feedback System

1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders Students Teachers Employers Alumni	A. All of the above

File Description	Documents
URL for stakeholder feedback report	No File Uploaded
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management (Upload)	No File Uploaded
Any additional information(Upload)	No File Uploaded

1.4.2 - Feedback process of the Institution may be classified as follows

A. Feedback collected, analyzed and action taken and feedback available on website

File Description	Documents
Upload any additional information	No File Uploaded
URL for feedback report	Nil

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment Number Number of students admitted during the year

2.1.1.1 - Number of sanctioned seats during the year

726

File Description	Documents
Any additional information	No File Uploaded
Institutional data in prescribed format	View File

2.1.2 - Number of seats filled against seats reserved for various categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy during the year (exclusive of supernumerary seats)

2.1.2.1 - Number of actual students admitted from the reserved categories during the year

86

File Description	Documents
Any additional information	No File Uploaded
Number of seats filled against seats reserved (Data Template)	View File

2.2 - Catering to Student Diversity

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

Quantifying the levels of student competency measures are taken accordingly to address the needs.

Steps taken for advanced learners:

- Provided material related to subjects with references to NPTEL lectures / courses, journals and advanced study material. Encouraged to make presentations, write research papers and participate in Conferences, Seminars and Workshops
- To pursue various internship programs and higher studies, letter of recommendation is provided by HOD and faculty.
- Involvement of students for real time research projects is encouraged. This stimulates out-of-the-box thinking and provides training in planning and carrying out experiments and fieldwork, analysing various outcomes of research projects and publishing results.
- Students are encouraged to participate in National level competitions like Smart India Hackathon, Ideation and Innovation contests organised by Ministry of Education etc.
- Semester toppers and university rank holders are felicitated on the Institute's Annual Day.

Steps taken for slow learners:

- Efforts are made to identify the cause of their problem and appropriate solutions are worked out.
- Teachers coordinate with parents of slow learners so that their needs can be catered.
- Mentor-mentee interaction keeps faculty in constant touch with students, irons out academic and personal issues, stimulates overall personality development.
- Academic problems are addressed in tutorial classes, assignments are evaluated, and suggestions for

improvement are made. Some tutorial classes are taken as remedial sessions for slow learners.

- Encourage them to take part in departmental activities. Those with potential eventually graduate to leadership roles.

File Description	Documents
Link for additional Information	Nil
Upload any additional information	No File Uploaded

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

Number of Students	Number of Teachers
2836	138

File Description	Documents
Any additional information	No File Uploaded

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

Experiment Based Independent Learning: As per the university guidelines, a minimum of eight experiments are to be conducted in each lab. However, two or more experiments are conducted beyond the specified list for relevant courses. Laboratory manuals explaining circuit diagrams, algorithms, and methodologies, required to perform the experiment are available to the course teachers and are given to the students at the commencement of the semester. All the laboratories have excellent hardware and software facilities. Students are encouraged to interact with the course teacher or lab assistant during lab hours to get their doubts clarified on the spot. A continuous assessment system is implemented for the assessment of laboratory work. In addition, all students have to complete two summer training during their 4 years course. With the introduction of the new scheme by the university, six months internship / Major projects have been introduced for students of 2021-25 batch onwards.

Teaching Plan: Subject allocation to each faculty is done well

in advance based on several criteria such as their specialization, experience, and proficiency in the subject. Time tables, course files, lab manuals, and assignments/tutorial sheets are prepared for effective teaching. Coverage of the syllabus is also ensured as per the university lesson plan. Internal assessment tests in each semester are conducted by the university. Question papers are set by university-appointed subject coordinators for the various courses.

File Description	Documents
Upload any additional information	No File Uploaded
Link for additional information	Nil

2.3.2 - Teachers use ICT enabled tools for effective teaching-learning process. Write description in maximum of 200 words

In MSIT, the classrooms are ICT enabled with projectors installed and the campus is enabled with high-speed wifi connection. The faculty at MSIT uses various ICT-enabled tools to enhance the quality of teaching-learning like

1. Microsoft Teams is used to manage and post course-related information- learning material, quizzes, lab submissions and evaluations, assignments, etc.
2. Virtual labs are used to conduct labs through simulations and make understanding of experiments easier.
3. The PPTs are enabled with animations and simulations to improve the effectiveness of the teaching-learning process.
4. The online learning environments are designed to train students in open problem-solving activities.
5. Video lectures are uploaded in suitable platforms for students to use as extra learning resources.
6. Soft copies of lab manuals are mailed to students for the experiments performed.
7. Online quizzes and tests in the form of multiple-choice questions are regularly conducted to record the performance and

evaluate the level of learning of the students.

File Description	Documents
Upload any additional information	No File Uploaded
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	Nil

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

2.3.3.1 - Number of mentors

138

File Description	Documents
Upload, number of students enrolled and full time teachers on roll.	No File Uploaded
Circulars pertaining to assigning mentors to mentees	No File Uploaded
mentor/mentee ratio	No File Uploaded

2.4 - Teacher Profile and Quality

2.4.1 - Number of full time teachers against sanctioned posts during the year

138

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	View File
Any additional information	No File Uploaded
List of the faculty members authenticated by the Head of HEI	No File Uploaded

2.4.2 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.B Superspeciality / D.Sc. / D.Litt. during the year (consider only highest degree for count)

2.4.2.1 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.C Superspeciality / D.Sc. / D.Litt. during the year

88

File Description	Documents
Any additional information	No File Uploaded
List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for year(Data Template)	View File

2.4.3 - Number of years of teaching experience of full time teachers in the same institution (Data for the latest completed academic year)

2.4.3.1 - Total experience of full-time teachers

138

File Description	Documents
Any additional information	No File Uploaded
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	View File

2.5 - Evaluation Process and Reforms

2.5.1 - Mechanism of internal assessment is transparent and robust in terms of frequency and mode. Write description within 200 words.

Continuous Internal Evaluation System

The Institution adopts Continuous Internal Evaluation (CIE) System to assess all aspects of a student's development on a continuous basis throughout the year to ensure overall growth of students in every sphere of life. The following steps are implemented to ensure smooth execution of CIE:

- **Awareness on Evaluation Process:** Students are made aware of the evaluation process, all amendments in existing process and procedures along with the timetable, through their class proctor/teacher.

Result Analysis Review Meeting: Meetings for Result Analysis is organized on regular basis by the subject teachers and after every CIE Test. Pass percentage of each course is calculated by

dividing the total number of students appeared and passed in each course. The performance of the students is monitored by class proctors. Thereafter, Parents are briefed about their wards' performance in PTM.

- Remedial Classes are conducted for the slow learners, absentees and the students who participate in Sports, extra curriculum and Placement Interviews.
- External examinations of three hours duration are conducted at the end of every semester for all the theory papers and practical papers. Students should satisfy the eligibility criteria of 75 % attendance in each semester to appear for University Examination.
- Assessment of Industrial / Summer Training / Seminars / Minor Projects / Major Projects are done as per rubrics

File Description	Documents
Any additional information	No File Uploaded
Link for additional information	Nil

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

MSIT is a constituent college of the IPU and is guided by the regulations formulated at University level in all the matters pertaining to syllabi, examination and evaluation. The Exam cell of the Institute handles grievances related to internal examinations, while Head of Departments handles assessment related grievances. There is also a Grievance Cell in the Institute for any other grievance.

College has a transparent and continuous internal assessment system. 25 marks in each paper are awarded through internal assessment while the remaining 75 are awarded by University-appointed examiners on the basis of performance of students in semester-end examinations. The internal assessment is carried out through a mechanism specified by IPU.

5% of the marks are awarded on the basis of attendance and assignments, presentations, and projects. Attendance is

calculated as per university rules. A student needs to attend at least 75% of the classes in order to appear in the end-semester examination. Teachers suggest innovative projects to students to develop their creative skills and to engage them in critical thinking and problem solving.

20% marks are awarded on the basis centralized test conducted by the IPU. Students are informed by IPU about the date and syllabus of the test by issuing academic calendar specifying all the important dates. Evaluated answer scripts are shown to the students.

Students are also informed about the criteria for internal assessment and continuous evaluation during the orientation program. Continuous evaluation is incorporated into teaching plans.

File Description	Documents
Any additional information	No File Uploaded
Link for additional information	Nil

2.6 - Student Performance and Learning Outcomes

2.6.1 - Teachers and students are aware of the stated Programme and course outcomes of the Programmes offered by the institution.

Programme outcomes provide a wide scope of knowledge, skills, abilities and attitudes that students attain while pursuing their graduation course. MSIT offers a number of B.TECH in different disciplines with each having sufficient weightage of fundamental subjects. This provides a strong correlation between Course Outcomes (COs) and Program Outcomes (POs) to develop necessary skills in students to make them proficient engineer. The university curriculum is grouped into different academic components to keep track of addressing of various program outcomes as per the curriculum.

Mechanism of communication of Programme and Course Outcomes:

MSIT has designed effective mechanism to communicate programme and course outcomes to all stakeholders.

Fresher's who are pursuing their career in Engineering, can get the requisite information from the college website as well as

from the prospectus.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional information	Nil
Upload COs for all courses (exemplars from Glossary)	No File Uploaded

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

MSIT offers courses in Engineering. Over the duration of their program, students acquire knowledge, skills and abilities that enable them to build a future for themselves while also contributing positively to society and the country at large.

Following are direct and indirect measures for evaluating attainment of PO/CO.

The attainment is evaluated using the following procedure:

1. The Overall Attainment (OA) is divided into three parts: A: 40 % of Internal Attainment (IA) calculated. B: 20% of Course Exit Survey (CES) filled by the students. C: 40% of the End Term marks secured by the students.

2. The part A (direct) is calculated as follows: 80 % of (CO-Wise %attainment of Mid Term/ Class Test) + 20% (CO-Wise %attainment in Assignment).

3. The part B is calculated as follows: - The CES (indirect) is required to be filled by the students at the end of the semester, wherein they are required to give marks (out of 5), based on their understanding of the concepts corresponding to the Course Objectives (CO) of the practical subject. - 20 % of the value of CES filled by the student, is considered corresponding to each CO. 4. The part C (direct) is calculated by finding 40% of the end term marks (out of 75) scored by the students.

PO attainment = (Avg CO as per CO-PO mapping/3) *Subject CO Attainment Value

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional information	Nil

2.6.3 - Pass percentage of Students during the year

2.6.3.1 - Total number of final year students who passed the university examination during the year

693

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	View File
Upload any additional information	No File Uploaded
Paste link for the annual report	Nil

2.7 - Student Satisfaction Survey

2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire) (results and details need to be provided as a weblink)

chrome-extension://efaidnbmnnnibpcajpcglclefindmkaj/https://msit.in/media/2023/12/14/college_feedback_batch-2019-2023.pdf

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 in the institution during the year (INR in Lakhs)

3.1.1.1 - Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

2.75

File Description	Documents
Any additional information	No File Uploaded
e-copies of the grant award letters for sponsored research projects /endowments	No File Uploaded
List of endowments / projects with details of grants(Data Template)	View File

3.1.2 - Number of departments having Research projects funded by government and non government agencies during the year

3.1.2.1 - Number of departments having Research projects funded by government and non-government agencies during the year

1

File Description	Documents
List of research projects and funding details (Data Template)	View File
Any additional information	No File Uploaded
Supporting document from Funding Agency	No File Uploaded
Paste link to funding agency website	Nil

3.1.3 - Number of Seminars/conferences/workshops conducted by the institution during the year

3.1.3.1 - Total number of Seminars/conferences/workshops conducted by the institution during the year

29

File Description	Documents
Report of the event	No File Uploaded
Any additional information	No File Uploaded
List of workshops/seminars during last 5 years (Data Template)	View File

3.2 - Research Publications and Awards

3.2.1 - Number of papers published per teacher in the Journals notified on UGC website during the year**3.2.1.1 - Number of research papers in the Journals notified on UGC website during the year**

108

File Description	Documents
Any additional information	No File Uploaded
List of research papers by title, author, department, name and year of publication (Data Template)	View File

3.2.2 - Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during the year**3.2.2.1 - Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings during the year**

48

File Description	Documents
Any additional information	No File Uploaded
List books and chapters edited volumes/ books published (Data Template)	View File

3.3 - Extension Activities

3.3.1 - Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the year

Maharaja Surajmal Institute of Technology believes in creating an ambiance that encourages students regularly to serve their best efforts in the neighborhood community and develop a sense of communal & social responsibility. Extension activities can be proven greatly effective in sensitizing students to social issues. The National Service Scheme (NSS) unit / Unnat Bharat Abhiyan, the eco-club, the drama society, and the music society timely organize several programmes to promote the concept and practice of social responsibility. Some extensive activities organized are:

1. Food donation drive on 7th September, 2022

2. Blood Donation camp on 25th August, 2023
3. Clothes Donation Drive on 5th Dec 2022 to 10th Jan 2023
4. Malaria Awareness Nukkad Naatak on 25th April, 2023
5. Orphanage Visit on 27th Dec, 2022
6. Plantation Drive on 24th July, 2023
7. Sign Language Workshop on 23rd Sep, 2022
8. Consumer Right Empowerment on 15th March, 2023

File Description	Documents
Paste link for additional information	https://www.msit.in/media/2023/12/29/uba-reports-22-23.pdf
Upload any additional information	No File Uploaded

3.3.2 - Number of awards and recognitions received for extension activities from government / government recognized bodies during the year

3.3.2.1 - Total number of awards and recognition received for extension activities from Government/ government recognized bodies during the year

42

File Description	Documents
Any additional information	No File Uploaded
Number of awards for extension activities in last 5 year(Data Template)	View File
e-copy of the award letters	No File Uploaded

3.3.3 - Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., (including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organized in collaboration with industry, community and NGOs) during the year

3.3.3.1 - Number of extension and outreach Programs conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year

9

File Description	Documents
Reports of the event organized	No File Uploaded
Any additional information	No File Uploaded
Number of extension and outreach Programmes conducted with industry, community etc for the last year (Data Template)	View File

3.3.4 - Number of students participating in extension activities at 3.3.3. above during the year

3.3.4.1 - Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year

518

File Description	Documents
Report of the event	No File Uploaded
Any additional information	No File Uploaded
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	View File

3.4 - Collaboration

3.4.1 - The Institution has several collaborations/linkages for Faculty exchange, Student exchange, Internship, Field trip, On-the- job training, research etc during the year

496

File Description	Documents
e-copies of linkage related Document	No File Uploaded
Details of linkages with institutions/industries for internship (Data Template)	View File
Any additional information	No File Uploaded

3.4.2 - Number of functional MoUs with national and international institutions, universities, industries, corporate houses etc. during the year

3.4.2.1 - Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. during the year

21

File Description	Documents
e-Copies of the MoUs with institution./ industry/corporate houses	No File Uploaded
Any additional information	No File Uploaded
Details of functional MoUs with institutions of national, international importance, other universities etc during the year	View File

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.

Maharaja Surajmal Institute of Technology is a technologically well-equipped educational institute located in the Institutional area of Janakpuri, New Delhi with a built-up area of 17837 sq.m. It has a campus spread over eight acres of land with beautiful eco-friendly surroundings. The institute runs Bachelor of Technology in CSE, IT, ECE, and EEE streams. The Institute aims to achieve the high standards set by premier technical institutions of the country.

There are 105 well-lit rooms, these are upheld as lecture halls, classrooms, tutorial rooms, and laboratories. There are 44 well-equipped labs for the students of CSE, IT, ECE, and EEE. Labs are also equipped for the students of 'Applied Sciences', 'Applied Mechanics' and 'Electrical Engg, and the college has a specialized 'Workshop' and a well-lit 'Drawing Hall'. A full backup power supply is available for the campus round the clock.

High-speed, around-the-clock internet access using a radio link is also available. Maharaja Surajmal Central Library (MSCL) was started in the year 1982 with a measure collection of Books and Journals. MSIT has a four-story hostel which provides

accommodation to 230 students (separately for boys and girls). The Institute offers a sprawling playground of 3 acres with an opportunity to students to excel in sports of their choice such as cricket, football, badminton, Volleyball, etc. The indoor sports facility for Table Tennis, Chess, Carrom, etc. is also available.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

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

MSIT promotes cultural sports and other activities to enhance students' creative and artistic pursuits. The Institute has a sports ground with sports facilities and an auditorium for cultural activities. Mutants Cultural Society is a collective of Four Societies - OCTAVE Music Society, RAMBH Dramatics Society, Unity Street Dance Crew, and Astitva Dance Society. All these societies work hand in hand with each other and as a part of MUTANTS always work for the betterment of the cultural scenario as well as for the upliftment of various talented students of MSIT. With constant support and motivation from the college administration and faculty, the society aims to have well well-planned, well-prepared cultural team in MSIT.

Sports activities are being conducted at MSIT on a regular basis under the direction of the sports committee. Every year sports day meet is organized for the students and faculties to take part in various games and awards are distributed to the winners for their motivation. The National Service Scheme (NSS) unit at MSIT, the eco-club, the drama society, and the music society timely organize several programs to promote the concept and practice of social responsibility. NSS aims at the personality and character development of students in school and college.

MSIT has always fostered an environment keeping gender equity as one of its forefront values and hence arms students with values that contribute in their social development.

Regular events and competitions on Yoga are being conducted.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

4.1.3 - Number of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc.

33

4.1.3.1 - Number of classrooms and seminar halls with ICT facilities

33

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

4.1.4 - Expenditure, excluding salary for infrastructure augmentation during the year (INR in Lakhs)

4.1.4.1 - Expenditure for infrastructure augmentation, excluding salary during the year (INR in lakhs)

65.07

File Description	Documents
Upload any additional information	No File Uploaded
Upload audited utilization statements	No File Uploaded
Upload Details of budget allocation, excluding salary during the year (Data Template)	View File

4.2 - Library as a Learning Resource

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

An integrated library system (ILS), also known as a library management system (LMS), is an enterprise resource planning system for the library, used to track items owned, orders made, bills paid, and patrons who have borrowed etc.

Maharaja Surajmal Institute's Central Library is using "KOHA" (Developed by Katipo Communications Ltd, New Zealand).

About Koha: Koha is an open-source integrated library system (ILS), Koha includes modules for acquisitions, circulation, cataloging, serials management, authorities, flexible reporting, label printing, multi-format notices, etc.

Maharaja Surajmal Institute's Libraries are fully automated. All the processes like Management (Record of users and books), Cataloguing, Circulation, Periodicals, Barcoding, Web-OPAC Search etc. are fully done with the help of library management software.

Various modules used are:

- Acquisitions (ordering, receiving, and invoicing materials).
- Cataloging (classifying and indexing materials).
- Circulation (lending materials to patrons and receiving them back).
- Serials (tracking magazine and printed journals holdings).
- Patrons (All the data related to users)
- WebOPAC 24*7 availability (OPAC stand for online public access catalog).

Nature of Automation: Maharaja Surajmal Institute's Libraries are fully Automated. All the documents are catalogued in KOHA like Books, CDs, Printed Journals, Magazines, etc.

Version: The current version of "Koha" being used is 20.11.9.

Year of Automation: Fully automated since 2006 using LMS "Alice for windows-AFW". Koha software was purchased in the year 2023.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional Information	Nil
4.2.2 - The institution has subscription for the following e-resources e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access toe-resources	A. Any 4 or more of the above
File Description	Documents
Upload any additional information	No File Uploaded
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	View File
4.2.3 - Expenditure for purchase of books/e-books and subscription to journals/e-journals during the year (INR in Lakhs)	
4.2.3.1 - Annual expenditure of purchase of books/e-books and subscription to journals/e-journals during the year (INR in Lakhs)	
19.55	
File Description	Documents
Any additional information	No File Uploaded
Audited statements of accounts	No File Uploaded
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	View File
4.2.4 - Number per day usage of library by teachers and students (foot falls and login data for online access) (Data for the latest completed academic year)	
4.2.4.1 - Number of teachers and students using library per day over last one year	
416	

File Description	Documents
Any additional information	No File Uploaded
Details of library usage by teachers and students	No File Uploaded

4.3 - IT Infrastructure

4.3.1 - Institution frequently updates its IT facilities including Wi-Fi

Maharaja Surajmal Institute of Technology is technologically well-equipped educational institute in terms of IT infrastructure. It is making extensive use of ICT resources and makes them available to the students for better learning their courses. There are 33 ICT enabled classrooms and seminar halls for interactive teaching learning.

Various committees like purchase committee, repair and maintenance committee, sports committee, library committee are for the maintenance of policies under college premises. Outsourcing is done for maintenance and repairing of IT infrastructure such as computers, internet facilities including WiFi and broadband. Updating of software is done by its assistants. Laptops/desktops, licensed software, CCTVs, and ACs are maintained/upgraded based on annual maintenance contract. Licensed software common to all departments include Ithenticate Plagiarism Software, Adobe Design and Web Premium, Microsoft Teams etc. However, few licensed software are for departmental use like Smartbear QA complete (CSE), Orell Digital Language software (Applied Sciences), Tanner Tools (ECE), SQL Server 2000 (CSE/IT). There is an adequate access to computers and internet facilities to the students and faculty. Bandwidth available of internet connection in the campus is 600 MBPS.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

4.3.2 - Number of Computers

627

File Description	Documents
Upload any additional information	No File Uploaded
Student – computer ratio	No File Uploaded

4.3.3 - Bandwidth of internet connection in the Institution A. ? 50MBPS

File Description	Documents
Upload any additional Information	No File Uploaded
Details of available bandwidth of internet connection in the Institution	No File Uploaded

4.4 - Maintenance of Campus Infrastructure

4.4.1 - Expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the year (INR in Lakhs)

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

121.82

File Description	Documents
Upload any additional information	No File Uploaded
Audited statements of accounts.	No File Uploaded
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	View File

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.

The college has policies for the maintenance and operation of infrastructure and other facilities. The institute assigns enough funds for maintenance and repair.

- There is a stock register to record every item after

physical verification along with a record of preventive maintenance.

- Regular maintenance of computer laboratory equipment is done by technical staff in each lab.
- There are various Financial Assistance Schemes/Policies e.g. EWS Scheme, Post Matric Scholarship for SC/ST/OBC students, Pragati Scholarship scheme for Girls etc.
- To enhance the communication skills of the students, a Language Lab has been set up with the state of the art infrastructure.
- Outsourcing (AMC) is done for the maintenance and repair of IT infrastructure such as computers, printers, UPS, and internet facilities including WiFi.
- Regular cleaning of the water tank, paper garbage disposal, pest control, landscaping and maintenance of lawns is done by the caretaker and associated staff
- The caretakers are responsible for the general maintenance of classrooms and the auditorium.
- Lab and Internet facilities are maintained by the computer lab-in-charge. In case of malfunctioning projectors, the College Purchase Committees authorize the repair.
- The institute has on campus banking facility with a branch of Indian Overseas Bank.
- A medical center is available on campus for students and staff, with guidance to reach out to the Psychologist.
- The fire safety committee members are responsible for regularly inspecting the firefighting system to ensure its functioning.
- Codes of conduct are also displayed on the website.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

5.1.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

114

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	No File Uploaded
Upload any additional information	No File Uploaded
Number of students benefited by scholarships and free ships provided by the Government during the year (Data Template)	View File

5.1.2 - Number of students benefitted by scholarships, free ships etc. provided by the institution / non- government agencies during the year

5.1.2.1 - Total number of students benefited by scholarships, free ships, etc provided by the institution / non- government agencies during the year

114

File Description	Documents
Upload any additional information	No File Uploaded
Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	View File

5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) ICT/computing skills

A. All of the above

File Description	Documents
Link to institutional website	Nil
Any additional information	No File Uploaded
Details of capability building and skills enhancement initiatives (Data Template)	View File

5.1.4 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

465

5.1.4.1 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

465

File Description	Documents
Any additional information	No File Uploaded
Number of students benefitted by guidance for competitive examinations and career counseling during the year (Data Template)	View File

5.1.5 - The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organization wide awareness and undertakings on policies with zero tolerance Mechanisms for submission of online/offline students' grievances Timely redressal of the grievances through appropriate committees

A. All of the above

File Description	Documents
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	No File Uploaded
Upload any additional information	No File Uploaded
Details of student grievances including sexual harassment and ragging cases	No File Uploaded

5.2 - Student Progression

5.2.1 - Number of placement of outgoing students during the year

5.2.1.1 - Number of outgoing students placed during the year

465

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	No File Uploaded

5.2.2 - Number of students progressing to higher education during the year

5.2.2.1 - Number of outgoing student progression to higher education

15

File Description	Documents
Upload supporting data for student/alumni	No File Uploaded
Any additional information	No File Uploaded
Details of student progression to higher education	View File

5.2.3 - Number of students qualifying in state/national/ international level examinations during the year (eg: JAM/CLAT/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations)

5.2.3.1 - Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State

government examinations) during the year

8

File Description	Documents
Upload supporting data for the same	View File
Any additional information	No File Uploaded

5.3 - Student Participation and Activities**5.3.1 - 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) during the year****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) during the year.**

16

File Description	Documents
e-copies of award letters and certificates	No File Uploaded
Any additional information	No File Uploaded
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national/international level (During the year) (Data Template)	View File

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

MSIT believes that the holistic growth of students is possible only when we give a student a platform to express themselves in their areas of interest other than the academic front. We have several societies and SIGs run and managed by Student's coordinator and faculty members. Students play a major role in the execution of these societies, and the role of the faculty is to mentor the student organizers. Various Societies are namely: IEEE, TechSoc, Prakriti/ NSS, Mutant, and Developer Student Club. The IEEE student branch carries out various programs within the college which entail technical project

exhibitions, summer project internships, and various other such programs. Special interest groups (SIGs) wherein students educate as well as learn from their peers are encouraged. Various seminar talks, workshops and webinars are also conducted by the student branch. PRAKRITI MSIT student cell emphasizes and increases the consciousness and awareness towards the environment and ecosystem. Developer Student Club (DSC-MSIT) is a community of college students powered by Google. DSC MSIT provides a peer-to-peer learning environment while building solutions for community and local businesses. Geek Room at MSIT is a thriving tech society with a mission to empower individuals in learning coding and technology. BROADCAST MSIT, is a creative hub, a platform, and a network that thrives on media innovation. The National Innovation & Start-up Policy of MSIT, also known as, "NISIP" is an initiative ready to support the startup culture at MSIT, New Delhi.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

5.3.3 - Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions)

5.3.3.1 - Number of sports and cultural events/competitions in which students of the Institution participated during the year

37

File Description	Documents
Report of the event	No File Uploaded
Upload any additional information	No File Uploaded
Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions) (Data Template)	View File

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

Maharaja Surajmal Institute of Technology is a prestigious institution that has produced 8000+ accomplished graduates in a variety of professions. Founded in 2019, MSIT Alumni Association is an independent, registered organization that includes more than 4000 alumni working in different countries and works to strengthen relationships. The Alumni Affairs Advisory Committee is comprised of faculty members and students. . The association consists of faculty members from all departments including Dr. Richa Gupta (Convener), Dr. Kavita Sheron, Dr. Sonika Malik, Dr. Deepshikha Yadav, Dr. Sakshi Rajput, Dr. Shilpam Malik, Dr. Meenakshi Tomar, Ms. Sonia Khatri and Ms. Vaani and six founder students Mr. Rishabh Mathur (ECE), Mr. Siddharatha Kukreti (CSE), Ms. Pragati Sharma (CSE), Ms. Priya Sharma (ECE), Mr. Siddharth Sharma (ECE) and Mr. Rahul Rajpal (IT). MSIT Alumni Association is dedicated to creating a unified platform for graduates of the Institute. The primary goal seems to be to strengthen the connections among alumni and foster relationships with other individuals associated with the institute. This common platform could serve various purposes, such as networking, collaboration, and the exchange of knowledge and experiences among the alumni community. Recently, Maharaja Surajmal Institute of Technology held its annual Alumni Meet on November 25, 2023. We have a separate website for alumni <http://msitalumni.com> developed by the students of MSIT.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

5.4.2 - Alumni contribution during the year (INR in Lakhs) A. ? 5Lakhs

File Description	Documents
Upload any additional information	No File Uploaded

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

The governance of the institution is reflective of and in tune with the vision and mission of the institution. The Vision and Mission statement of the institution is defined in terms of addressing the needs of students and the society it seeks to serve. The Vision is: To become one of the most admired centers of academic excellence in the field of Engineering and technology for the all-round professional development of students to enable them to meet the growing technological needs of the country. The Mission isto develop a new paradigm in imparting education in the fields of Engineering and Technology and imbibing national values leading to student empowerment, with a view to preparing them to meet the national and global challenges. The college recognizes the potential of teachers to be important stakeholders in the translation of the vision and mission statements and hence ensures that the faculty becomes a part of each academic and administrative body at one level or the other. A team of teachers form the Academic Affairs Committee, Anti Ragging Committee, Student Affairs Committee, Internal Complaints Committee, Grievance Committee, Examination Committee, Research Committee, and Library Committee, and are engaged in policy formulation, planning, execution and monitoring of the various activities in the institution. A well-organized structure that includes participative leadership from all its stakeholders at different levels enables the successful accomplishment of its perspective plans envisaged every year and maintains the quality of the institution.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

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

Effective leadership is visible in various institutional practices such as decentralization and participative management. The well-defined systems and organizational structure of the institute leads to effective leadership at various levels be it at the management level or the staff. The various management bodies for the development of policies,

forming their guidelines, their implementation and regulation and timely monitoring are: 1. The Governing Body, 2. Academic Council, 3. Finance Committee, 4. Anti-ragging/Discipline Committee, 5. Disaster Management Committee. The various bodies headed by the faculty are : 1. Discipline Committee, 2. Exam cell, 3. E-cell, 4. Grievance cell, 5. NSS/ Prakriti, 6. Unnat Bharat Abhiyan, 7. IEEE

The institution practices a fine decentralized and participative management approach towards all its activities and initiatives. All these teams include Deans, In-charges, Heads of the departments faculty members, and students at all possible levels to imbibe a sense of leadership among them. Teachers form a core part of all the committees that fulfill the academic or workload /admission requirements of the college. The Dean of the institute forms the academic calendar which lists dates of teaching periods, examinations, holidays, health programs, sports and cultural activities. Committees for development and purchase, discipline and code of conduct such as the General Purchase Committee, the Anti-Ragging Cell, the Discipline Committee are also headed by the faculty members to help the students at every point of time. Faculty members also develop discipline, equality and community spirit in the students through committees such as the Prakrirti and the National Service Scheme (NSS).

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

Curriculum Development

Since affiliated Institutions are not allowed to design their curricula senior faculty members from our college have been a part of the curriculum development committee formulated by the University and have contributed to curriculum development. For every semester subject coordinators are selected from affiliated Institutes.

Teaching and Learning

Teaching and learning methodology includes brainstorming, presentations, quizzes, hands-on activities, etc. We provide Computer Laboratories with the latest configuration hardware and original licensed software. Wide access to internet facilities in labs, browsing centers, and libraries to inculcate online learning management resources. The campus is Wi-Fi.

Examination and Evaluation

As per University rules, there is one Midterm examination conducted in a semester by the institution and the end-term examination is conducted by the University by the end of each semester, which in turn is a centralized procedure. Continuous evaluation is done through class tests, assignments, viva, and presentations.

Research and Development

The institute has subscriptions to various online research journals and books to provide the latest resources. The institute motivates the faculty members to attend research-oriented seminars/workshops/conferences, etc., by providing special duty leave and also the fees required for attending the above. The institute recognizes and awards faculty publishing in reputed journals.

Industry Initiative/Collaboration

The Institute has constituted the Institute Industry Cell for better collaboration between the Institute and industry. The cell arranges internship programs for students. This provides a unique opportunity for students to apply the concepts practically.

File Description	Documents
Strategic Plan and deployment documents on the website	No File Uploaded
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

6.2.2 - The functioning of the institutional bodies is effective and efficient as visible from

policies, administrative setup, appointment and service rules, procedures, etc.

The Governing Body consists of 21 members. Under the leadership of the Chairman, they look into the matters of administration and decision-making, finances and regulation, purchases and development, and quality assurance of the college. The body also appoints the director and deputy director of the institute. The Director of the institute supervises and manages the overall functioning of the college. The Head of the department works in collaboration with its staff members to manage the overall functioning of the department. The senior accountant manages the matters related to internal finances and financial audit of the college. Financial decisions are taken by the senior accountant and the director in consultation with the Governing Body. The library is headed by the Librarian who supervises the library assistants and attendants in maintaining the upkeep of the library. The librarian also works with the Library Committee to upgrade the academic resources and facilities in the library. The Administrative Staff of the college is also well-defined, with positions according to the University rules and the UGC. The administrative decisions are implemented through the Administrative Officer, who is assisted by a team of section officers from the administration and the accounts section. The caretaker supervises the maintenance of the infrastructure and the working of housekeeping staff, electricians, gardeners, etc. Notice the display system for students and other stakeholders on the website. Regular display of audited balance sheets is done on the website. Automation software is available in the Library. The accounts section is fully computerized.

File Description	Documents
Paste link for additional information	Nil
Link to Organogram of the Institution webpage	Nil
Upload any additional information	No File Uploaded

6.2.3 - Implementation of e-governance in areas of operation Administration Finance and Accounts Student Admission and Support Examination

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Document	No File Uploaded
Screen shots of user interfaces	No File Uploaded
Any additional information	No File Uploaded
Details of implementation of e-governance in areas of operation, Administration etc (Data Template)	View File

6.3 - Faculty Empowerment Strategies

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

The following are the welfare measures extended to the teaching and non-teaching staff of the Institute: Teaching Staff
 Personal computers are provided to individual faculty members. All the regularised teaching staff members are covered under the Employees Provident Fund Scheme and Group Savings Linked Insurance Scheme (GSLI). Maternity Leave for female staff members and paternity leave for male staff is granted. Special casual leaves are sanctioned for attending conferences and workshops. Study leave is granted for higher education and qualification improvement. Incentives for R&D activities, Seed Money for Initiating Research Work Incentives for publication in Journals and Conferences. Recognition of the faculty with the "Best Teacher Award". A college-appointed counselor is there for faculty and students. There are staff quarters within the college campus to provide accommodation for the faculty. Non-teaching staff Maternity Leave for female staff members and paternity leave for male staff. Recognition of the staff with "Best Employee Award".

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

6.3.2 - Number of teachers provided with financial support to attend conferences/ workshops and towards membership fee of professional bodies during the year

6.3.2.1 - Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the

year	
11	
File Description	Documents
Upload any additional information	No File Uploaded
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	View File
6.3.3 - Number of professional development /administrative training programs organized by the institution for teaching and non-teaching staff during the year	
6.3.3.1 - Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff during the year	
2	
File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	No File Uploaded
Reports of Academic Staff College or similar centers	No File Uploaded
Upload any additional information	No File Uploaded
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	View File
6.3.4 - Number of teachers undergoing online/face-to-face Faculty development Programmes (FDP) during the year (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc.)	
6.3.4.1 - Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course during the year	
90	

File Description	Documents
IQAC report summary	No File Uploaded
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	No File Uploaded
Upload any additional information	No File Uploaded
Details of teachers attending professional development programmes during the year (Data Template)	View File

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

Institutions Performance Appraisal System for teaching and non-teaching staff Appraisal for the teaching staff: Appraisal for teaching staff is based on the Annual Confidential Report (ACR) proforma filled and submitted by individual faculty. The proforma provides details about individual teacher's performance in teaching-learning and evaluation-related activities along with research and academic contributions and administrative support and contribution in extra- and co-curricular activities. The filled proforma is then reviewed by the HOD and the director of the institute. The final performance functioning status of the faculty is set up and confidentially maintained in the office of the institute. Apart from the annual appraisal provided to the faculty, the best faculty award is also given to a faculty on an annual day. The faculty is selected from the annual progress report provided by each faculty where they mention all the academic, administrative, and research work they have contributed to the institute. The faculty is given a best faculty certificate and a cash amount to encourage others to do the same. To encourage the research in faculty members, they are provided with Rs 5,000 for each SCI/ SCIE publication.

Appraisal for the non-teaching staff: Appraisal for non-teaching staff is based on the Annual Confidential Report (ACR) proforma filled and submitted by individual non-teaching staff. Every non-teaching staff member of the institute fills the prescribed proforma for self-appraisal. Every year a best faculty (teaching) award and the best employee (non-teaching) award are given to the staff.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly Enumerate the various internal and external financial audits carried out during the year with the mechanism for settling audit objections within a maximum of 200 words

In our Institute both the audits i.e. Internal as well as External/Statutory audits are being carried out on a monthly and yearly basis. The Internal audit is being done on a monthly basis wherein each and every voucher, ledger, bank book, cash book, etc. is checked in depth. In this audit, the statutory dues and their challans are checked to see that all the statutory requirements are met on time. Monthly reconciliations of bank, cash, and ledgers are being done under this audit. All the fee receipts are checked with the strength of the students. In this audit, a special separate audit was conducted in the month of December every year wherein all the stocks and fixed assets are checked and verified. The External/Statutory audit is being done on an annual basis. This is basically a Balance Sheet audit wherein the basic vouching is checked on a random basis and the main stress was on the Statutory Compliances. In this audit, it is to be seen that all the accepted accounting standards are being followed and are to be shown in the Balance Sheet. The auditors have to see that the Balance Sheet and Income Expenditure account give a true and fair view of the accounts. The final Balance Sheet is signed by the statutory auditors.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

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

6.4.2.1 - Total Grants received from non-government bodies, individuals, Philanthropers

during the year (INR in Lakhs)**Nil**

File Description	Documents
Annual statements of accounts	No File Uploaded
Any additional information	No File Uploaded
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)	No File Uploaded

6.4.3 - Institutional strategies for mobilization of funds and the optimal utilization of resources

The institution has classified each department as a separate cost center and all the expenses incurred are debited. At the beginning of each year, every department furnishes revenue and capital budget which are reviewed and approved by the management Governing Body. The budget is reviewed by the treasurer, secretary, and director every quarter. Whenever any deviation occurs in the budget, respective HODs have to address the issue and give justification so that subsequently the same will be approved. Following this procedure, unnecessary purchases are avoided and the available funds are effectively utilized. Funds are provided for best faculty awards and research awards. Funds are also provided for the annual technical and cultural fests. Students generally find sponsors for various events. The library and laboratory are regularly updated by purchasing various items by the purchasing team. Faculty are provided with financial aid to attend conferences and workshops. All financial bills and relevant documents are reviewed by the accountant. Transparency is maintained during the entire process.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

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

Internal Quality Assurance Cell (IQAC) has contributed significantly to institutionalizing quality assurance strategies and processes. Three practices with IQAC initiatives are: (i) Academic and Administrative Audit of Departments and (ii) Acquiring Targets and Objectives for setting up strategies (iii) Feedback mechanism.

1. Academic and Administrative Audit (AAA): Academic Administrative Audit (AAA) is conducted at 3 levels. There are internal auditors (primarily constituted by IQAC members), responsible for managing all internal processes. All observations are discussed and subsequent actions are taken. There is an external academic committee (Constituted by eminent professors from other reputed Institutes). This committee analyses and assesses the academic progress every six months. Finally, there are certified auditors like ISO, Joint Assessment Committee (from university and state Govt), NBA, and NAAC for accreditation.

2. Acquiring Targets & Objectives Defining clear objectives and targets is a critical first step in making decisions about the quality education system; enabling setting up strategies, plans, and policies, relatively minor regulatory and governance reforms, or large-scale infrastructure investments.

3. Feedback mechanism: The College has implemented a feedback system for students based on institutional parameters such as infrastructure and facilities, curriculum delivery and pedagogy, discipline and environment, staff and support, and so on. The feedback submitted online is anonymous and hence generally fair. The feedback is analyzed, and measures are taken for reform and redressed. Feedback from the stakeholders (students, faculty, alumni, industry experts, and parents) is also taken for consideration.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

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

- Seminars and workshops conducted for the faculty for quality improvement in the teaching learning process.
- Examining students by conducting internal, pre-final and external test assessments.
- Organizing industrial visits and seminars for the students.
- Arrangement of remedial classes, doubt clearing classes for weak students by the respective subject teacher.
- Increased usage of ICT tools in teaching learning process
- Preparation of course plan at the beginning of every session and circulating it among the students.
- Regular Parent Teacher Meetings are held.
- Parents are cordially invited for Orientation Programme of their wards on their first Day of College every year.
- Parents are invited in Stakeholder's Meeting.
- Parents are invited for Appreciation Ceremony of Meritorious Students on Annual Day
- Encouraging Innovation Cell activities
- Promoting Faculty Student Entrepreneurship initiatives

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

6.5.3 - Quality assurance initiatives of the institution include: Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analyzed and used for improvements Collaborative quality initiatives with other institution(s) Participation in NIRF any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)

A. All of the above

File Description	Documents
Paste web link of Annual reports of Institution	Nil
Upload e-copies of the accreditations and certifications	No File Uploaded
Upload any additional information	No File Uploaded
Upload details of Quality assurance initiatives of the institution (Data Template)	View File

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 year

1. The Institute has installed on-campus CCTV surveillance for the safety and security of everybody on the campus.
2. Women are given decision-making positions in core committees such as grievance cell, discipline committees, and other core committees of the institute.
3. Students are taught the subject "Human values and ethics" in their undergraduate course to inculcate values and social ethics among them.
4. Prakriti MSIT and NSS are proactive in organizing seminars and workshops on social awareness issues that also include gender sensitization-related topics.
5. The institute also organizes Seminars on Mental Health for their well-being and health.
6. Advocating the need for safety for women, a yearly self-defense workshop is conducted to arm female students with the means to defend themselves if the need arises, while emphasizing the measures that can be used by them to escape.
7. Committees such as the Internal Complaint Committee and Grievance Redressal Committee have been formed to address gender inequality and sexual harassment cases.

File Description	Documents
Annual gender sensitization action plan	Nil
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	Nil

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation measures Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power efficient equipment

C. Any 2 of the above

File Description	Documents
Geo tagged Photographs	View File
Any other relevant information	No File Uploaded

7.1.3 - Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management Waste recycling system Hazardous chemicals and radioactive waste management

E-waste Management Institute has a scheme by which Electronic and computer accessories that are declared "Obsolete" are exchanged with new equipment under the old buyback scheme. The institute has also donated old computers to a school in Shyamli.

Hazardous waste management

There is no hazardous waste material produced in the Institute except in laboratories like chemistry. Adequate exhaust provisions are made in these laboratories to drive out acid fumes. Other Waste Management Paper waste is regularly sold to outside agencies. The answer sheets are shredded and sold to licensed purchasers. Chemical fire extinguishers are charged periodically from outside licensed agencies. The Institute has taken initiatives to make the system paperless. E-documentation policy is promoted in administrative offices and other

departments. Group E-mail services are also used in the Institute. One-sided A-4 sheets are reused for printing.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	No File Uploaded
Geo tagged photographs of the facilities	Nil
Any other relevant information	No File Uploaded

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus

A. Any 4 or all of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Any other relevant information	No File Uploaded

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows:

A. Any 4 or All of the above

- 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**

File Description	Documents
Geo tagged photos / videos of the facilities	View File
Any other relevant documents	No File Uploaded

7.1.6 - Quality audits on environment and energy are regularly undertaken by the

institution

7.1.6.1 - The institutional environment and energy initiatives are confirmed through the following 1.Green audit 2. Energy audit 3.Environment audit 4.Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities

B. Any 3 of the above

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	No File Uploaded
Certification by the auditing agency	View File
Certificates of the awards received	No File Uploaded
Any other relevant information	No File Uploaded

7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (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

A. Any 4 or all of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Policy documents and information brochures on the support to be provided	No File Uploaded
Details of the Software procured for providing the assistance	No File Uploaded
Any other relevant information	No File Uploaded

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 200 words).

1. The Institution makes efforts to provide an inclusive environment.
2. To manage the issues of minorities, the SC/ ST cell is working actively in the Institute.
3. Prakriti MSIT is working proactively for the benefit of socially and economically underprivileged people by donating old clothes and sensitizing them about social issues.
4. The UBA Cell team has strived to include students and teachers from various departments of the Institute by organizing talks and brainstorming sessions to plan activities and discuss solutions to the village's problems.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	View File
Any other relevant information	No File Uploaded

7.1.9 - Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens

At MSIT everyone is taught about social obligations: values, duties, rights, and responsibilities as per the law. To sensitize the students and employees of the institution the following activities are followed:

1. Vision and Mission of the Institute and departments have been defined.
2. The institute follows GGSIPU's Code of conduct. <https://www.msit.in/media/news/reporting-for-admission-2018-19.pdf>
3. The institute conducts an orientation program for new students admitted to B.Tech every year wherein the students are informed about the code of conduct for students to follow. The institute also organizes annual awareness programs for the faculty members, administration, and other staff members of the institute.
4. The students abide by the rules of no ragging. They are required to submit anti anti-ragging affidavit to affirm it.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	View File
Any other relevant information	No File Uploaded

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. The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff

4. Annual awareness programmes on Code of Conduct are organized

A. All of the above

File Description	Documents
Code of ethics policy document	No File Uploaded
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims	No File Uploaded
Any other relevant information	No File Uploaded

7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals

The Institution organizes national and international commemorative days and festivals as best practices and social responsibilities. The students participate enthusiastically in the celebration of these events and various cultural activities throughout the year. Various on-campus as well as off-campus events/ seminars/ workshops are organized by Prakriti committee, Unnat Bharat Abhiyaan committee of the Institute such as: Yoga for Well-being on Yoga Day, Blood Donation Camp, Biodiversity Park visit on International Day of Biological Diversity etc. Institute Innovation Cell organized a workshop to celebrate Innovation Day. A tree plantation drive is organized every year to promote trees and plants.

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	View File
Geo tagged photographs of some of the events	No File Uploaded
Any other relevant information	No File Uploaded

7.2 - Best Practices

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

Title of the Best Practices- NBA accreditation in all courses

1. The objective of the Practice -The Context- The purpose of

NBA accreditation is to ensure excellence in technical education and focus on outcome-based education. 2. The Practice - Collaborative and independent learning among the students is promoted. To enhance the learning experience of students, several experiments beyond the minimum specified by the university are also performed by individual students to encourage learning beyond the curriculum. 3. Evidence of Success -The Institute received NBA accreditation initially for two departments (CSE & IT) in 2016 which was valid for 3 years. In 2018, the Institute received NBA accreditation for ECE & EEE (now reaccredited till 2025). In 2019, the departments of CSE & IT received reaccreditation from the NBA (valid till 2022) and now have been accredited (cycle 2) till 2025. Title of the Best Practices- ISO 9001:2015 1. Objective of the Practice -The Context- ISO 9001:2015 is a quality management system that helps an organization organize its processes, improve the efficiency of its processes, and continually improve the processes. The Practice - Every year two internal audits are conducted, one in each semester. These internal audits ensure that all the processes are smoothly running in the institute and if there are certain issues regarding the smooth conduct of these processes. Evidence of Success - This quality system is perfectly implemented every year. All the records of internal audits and MOMs of management review meetings are maintained with the Quality System Coordinator (QSC).

File Description	Documents
Best practices in the Institutional web site	No File Uploaded
Any other relevant information	No File Uploaded

7.3 - Institutional Distinctiveness

7.3.1 - Portray the performance of the Institution in one area distinctive to its priority and thrust within 200 words

The Institute has a well-qualified and experienced faculty. The most contemporary teaching methodology at MSIT provides ample opportunity for students to develop into all round professionals by keeping abreast of the ever changing technologies. The Institute aims to achieve and excel the high standards set by premiere technical institutions of the country. The traditional classroom teaching is supplemented by regular tests, tutorials, group discussions, extensive lab work, projects, seminars and industrial exposure by way of industry visits and summer training. Eminent academicians &

professionals are invited as visiting faculty to teach & guide specific courses. While teaching engineering fundamentals, keeping pace with the evolving definitions and concepts, a sincere effort is also made to cover the latest in each subject area. The classroom atmosphere is synergetic with interactive and participative sessions. This makes learning proactive and instils in the students a sense of team spirit, responsibility and professional integrity. It helps in building a healthy student-faculty bond, which develops students to their fullest potential and harnesses the best in the teachers. The institute also has a very strong Alumni Association. The alumni always participate in the cultural and academic activities of the college. In the recent past, we had students who are posted Civil services, Google, Microsoft and other organizations of high repute. Our students achieve several ranks at the University level examinations every year and excel in Sports as well, carrying forward the legacy of their illustrious seniors.

File Description	Documents
Appropriate web in the Institutional website	No File Uploaded
Any other relevant information	No File Uploaded

7.3.2 - Plan of action for the next academic year

1. To organize an International Conference/Seminar.
2. To accentuate Publication by Faculty members in national and international level Journals as well as in College Publications.
3. To emphasize more e-content development by teachers.
4. To bring more and more Students' under financial support schemes.
5. To organize awareness programs on the Code of Conduct.
6. All departments to undertake Career counseling programs.
7. To conduct Seminars/projects/workshops to facilitate teaching teaching-learning process.
8. Student exchange and Faculty Exchange Programme to be undertaken.
9. To start more Collaborative programs with other organizations and foreign universities.