



YEARLY STATUS REPORT - 2023-2024

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	director@msit.in
• Alternate e-mail	archanabalyan@msit.in
• Address	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	9810107784				
• IQAC e-mail address	iqac@msit.in				
• Alternate e-mail address	puneet.azad@msit.in				
3.Website address (Web link of the AQAR (Previous Academic Year)	https://www.msit.in/media/2024/02/07/aqar-2022-23.pdf				
4.Whether Academic Calendar prepared during the year?	Yes				
• if yes, whether it is uploaded in the Institutional website Web link:	https://www.msit.in/academic-calendar				
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
Surajmal Memorial Education Society	CSR	ONGC	2023-24, 1 year	1858112
Maharaja Surajmal Institute of Technology	Host of Junior SIH & School Innovation Contest	Ministry of Education (MoE) Innovation Cell	2023-24, 1 year	54000

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 Conferences, 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
- AICTE, Joint Assessment Committee and ISO Surveillance Audits
- Rank in the band of 201-300 by NIRF
- International Conference on Artificial Intelligence and Applications (ICAIA 2024) conducted on 19-20 March, 2024

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
Conduct of International Conference in association with Foreign University	2nd International Conference on Artificial Intelligence and applications was held on 19-20 March, 2024 in association with Wentworth Institute of Technology, Boston, USA
Setup of Center of Excellence (CoE) to improve the quality of teaching and learning in labs	Received financial assistance of Rs 18,58,112 from ONGC to setup Centre of Excellence (CoE) Lab (based on Internet of Things (IoT), Artificial Intelligence (AI) and Machine Learning (ML))
Ranking of the Institute by NIRF	The Institute has been ranked in the band of 201-300 by NIRF for the year 2024
Improvement in Infrastructure to improve the quality of teaching	Smart Interactive boards and LCD projectors have been installed in seminar halls, classrooms, and labs to improve the quality of teaching and learning
To accentuate Publication by faculty members in national and international level Journals as well as in Institute Publications	Faculty members have published and presented papers in WoS Journals and Conferences to a good extent
Students preparation and participation in National level competitions and events to enhance the exposure	A Team of students has won First prize in Smart India Hackathon 2023 organized by MHRD
Development of inhouse softwares to boost practical learning	Websites of International and National conferences have been designed by students for practical and real-time exposure
Preparation of academic calendar and adherence	The Academic Calendar for the session 2023-24 was effectively followed
13. Whether the AQAR was placed before statutory body?	Yes

- Name of the statutory body

Name	Date of meeting(s)
Governing Body	14/06/2024

14. Whether institutional data submitted to AISHE

Year	Date of Submission
2024	05/04/2024

15. Multidisciplinary / interdisciplinary

Maharaja Surajmal Institute of Technology employs a multidisciplinary approach to teach students 21st-century skills, with an emphasis on their complete personality development in the following ways:

1. Students can now select interdisciplinary courses from Emerging and Open Area Elective groups, which include topics like Machine learning, Artificial Intelligence, Data Science, Data Analytics, Internet of Things, Blockchain, Cloud Computing, Python, R Programming, and more. This is in accordance with the most recent revision of the GGSIP University's curriculum and syllabus.
2. Additionally, there is a choice to pursue honors degrees and minor specializations by selecting courses offered directly at the Institute or through MOOCs. To expand their expertise, students have registered in and finished a number of MOOC courses from SWAYAM / AICTE this year.
3. The Institute organizes International and National Conferences and motivates students to present their research and enhance their presentation skills also.
4. The Institute hosts technical, cultural, and sports festivals like Techfest, Genesis, and Annual Sports Day to give exposure to students.
5. The Institute seeks to combine the development of all human potential—intellectual, aesthetic, social, physical, emotional, and moral qualities. Subjects like Universal Human values and Ethics, Environmental studies, Communications Skills, Economics for Engineers, Principles of Management for Engineers and involvement in NSS / NCC / Cultural Clubs / Technical Society / Technical Club are part of the curriculum along with Technical subjects.
6. 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 Plantation, Food and cloth donation drives, Debate Competitions, Yoga Day Celebration, REDRUN Race for AIDS awareness, Women's Day celebration, Cleanliness Drive, Self-

defence workshop, code4cause hackathon, e-waste management, Blood donations camp in association with Rotary Club etc. 7. Institute offers a liberal education, which can unlock all human capacities, intellectual social, physical, aesthetic, emotional, and moral values in an integrated manner. 8. 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. 9. In view of the NEP 2020, our institution has organized various programs like Industry-academia interactions, Alumni Meet, Conferences 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 GGSIPUniversity.

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 Entrepreneurship Cell (E-Cell), Incubation Cell, IEEE 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 by organizing various activities. The Incubation Cell of the Institute provides all the support necessary to help student entrepreneurs to incubate their ideas and establish themselves before they scale up their ventures. The status is as follows: 1. One startup by Simarneet, B.Tech (IT) has been shortlisted by Shark Tank and 11 startups have been incubated in year 2023-24. 2. A budget of Rs. 2.5 Lac has been allocated for the financial year 2024-25 for nurturing startups and for strengthening Incubation Cell. 3. 20 MOUs with academic institutions and one with NASSCOM have been established, two major collaborations are under process, which include collaboration with MSME, collaboration with AIC-GGSIPU. Several activities (27 nos) have been organized by Incubation/eCell for developing and nurturing entrepreneurial culture in the institute. Details of Startups incubated in 2023-24 are as follows a) Aman agarwal, B.Tech(ECE), Startup-Celcius, Deals with customised and premium kitchenware b) Disha Sahay, B.Tech(IT), Startup-Law app, Online legal assistance c) Aditya Chauhan, B.tech(IT), Startup-CUSTOM CLOTHING BRANDS, Sell customized tshirt, hoodie, any many more. d) Arnav Gupta, B.tech(IT), Startup-BALMSE Luxury attar and leather products as well as gift boxes. e)

Ishaan Vats, BCA(Commerce), Startup-FASTOS Assured quality and trendy designs for GEN-Z. f) Jasnoor Kaur, BBA(General), Startup-Noor Slimes Start-up creating slimes of different color and texture g) Gopal Krishna, B.tech(IT), Startup-Don't Pile An app to connect people suffering from taboo diseases with doctors online h) Yash Arya, B.tech(ECE), Startup-Vaidyash Business that combines online puja services and the sale of puja materials i) Khusaal Sharma, B.tech(CSE), Startup-Cobroz A unique discussion platform bridging the gap between Indian Legal world and Journal Public. j) Aryan Mishra, B.tech(IT), Startup-Energie Clothing Customized clothing k) Manav Ajai Sonkar, B.tech(CSE), Startup-Crowdfeuz The Crodfеuz platform offers a one stop solution to both event organizers. Also, to provide the skilling courses offered by Skill India, Ministry of Skill Development and Entrepreneurship and in order to improve their skill sets and employability, Maharaj Surajmal Institute of Technology has collaborated with ICT Academy.

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

Several courses focussing on Indian culture as well as conservation and preservation of heritage have been launched. Due to the Institute's urban location, no language barriers have arisen. The Institute aims to include indigenous knowledge into various courses and events in conformity with Statutory Bodies' criteria. Recently, subjects such as Indian Knowledge Systems, Indian Constitution, Principles of Management for Engineers, Universal Human Values, Technical Writing, Economics for Engineers, and Communication Skills have been included in the B.Tech syllabus. These courses will help create a sense of rootedness in the indigenous knowledge and values leading to an attitude of openness and respect to one's own culture and tradition while developing a holistic approach to the applications and use of technology in the Indian and global contexts.

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 implemented at the Institute since 2014. OBE is seen as a huge step forward in improving the quality of higher education, particularly technical education, and enabling Indian graduates to compete with their foreign counterparts. The Institute has implemented four efforts to change its curriculum towards Outcome-Based Education (OBE): Program Outcomes (PO), Program Specific Outcomes (PSO), Program Educational Outcomes (PEO), and Course Outcomes (CO). 2. Efforts made by the institution to capture the

Outcome-based education in teaching and learning practices. The institute incorporates the entire course curriculum as per outcome-based education framework and COs have been revised wherever needed.

3. Good practice/s of the institution pertaining to the Outcome-based education (OBE) in view of NEP 2020. i. Financial Support to Assist Students: There are various Financial Assistance Schemes/ Policies a) 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 belongings to the Economically Weaker Sections of the society. The purpose of scheme is to enhance the accessibility of students belongings to Economically weaker section of the society the higher education.

(http://www.ipu.ac.in/dsw_policy.php.) b) Merit-cum-Means Linked Financial Assistance Scheme - It is the policy of the Government of 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 NCT of Delhi. Under this scheme the Delhi Higher Education Trust through 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/\(apply\)](https://edistrict.delhigovt.nic.in/(apply))) c) Post Matric Scholarship for SC/ST/OBC students: Department for the Welfare of SC/ST/OBC has taken over implementation of 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) d) Centrally Sponsored Schemes (National Scholarship Portal): National Scholarships Portal is 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/>) e) Pragati Scholarship Scheme for Girls Student: Pragati is a MHRD Scheme being implemented by of AICTE aimed at providing assistance for 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 education and prepare for a successful future by "Empowering Women through Technical Education". (<https://scholarships.gov.in>) f) Saksham Scholarship Scheme for Specially-abled student: Saksham is a MHRD Scheme being implemented by of 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>)

g) Scholarship provided by SMES: Surajmal Memorial Education Society also provided the scholarship of Rs 50,000 each to several ts of MSIT belonging to Economic Weaker Section.

ii. Encouragement to Use Indian Languages: Institute is encouraging 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 Indian Languages.

iii. Technology in Education: The Institute has installed ICT-enabled smart boards and projectors in seminar halls, labs, 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, 2023-24, 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 the digital infrastructure including content, digital library, etc. is initiated to meet the needs of students & maximizing the learning outcomes. Softwares for research and websites for conferences have 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 under Guru Gobind Singh Indraprastha University, and the Institute does not offer any distance learning programmes. However, the option of pursuing MOOCs 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 B.Tech Honours degree

Extended Profile

1.Programme

1.1

137

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

File Description	Documents
Data Template	View File

2.Student

2.1

2839

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

693

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

138

Number of Sanctioned posts during the year

Extended Profile

1.Programme

1.1	137
Number of courses offered by the institution across all programs during the year	

File Description	Documents
Data Template	View File

2.Student

2.1	2839
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	693
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	138
Number of Sanctioned posts during the year	

File Description	Documents
Data Template	View File

4.Institution	
4.1	33
Total number of Classrooms and Seminar halls	
4.2	597.91
Total expenditure excluding salary during the year (INR in lakhs)	
4.3	634
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, an affiliated institution of Guru Gobind Singh Indraprastha University, Delhi strictly aligns with the University's academic framework and adheres closely to its academic calendar, covering educational schedules and associated activities. Committed to academic excellence, the institute carefully oversees essential operations, including timetable preparations and adjustments, balanced workload distribution, resource allocation, and regular program evaluations.

Each department offers a curated selection of skill-enhancement and technical enrichment courses as electives, complemented by a range of co-curricular activities to enrich students' academic experiences. Various program core electives and emerging area elective subjects in areas related to industry have been introduced to students as per latest syllabus of GGSIPU. Stakeholder feedback is actively solicited and incorporated to

continuously refine teaching and learning processes.

The institute has made substantial efforts to ensure effective curriculum delivery. Program and curriculum information is readily accessible through both online publications and printed prospectuses. Semester timetables are meticulously prepared in advance, published on the college website, and prominently displayed throughout the campus, ensuring the prompt start of classes.

The institution engages a highly skilled and dedicated faculty for panel of examiners, subject coordinators, planning, and evaluation, working in close collaboration with the university departments and engaging with parents to ensure the curriculum is effectively implemented. Additionally, the institute promotes faculty and students participation in faculty development programs, national and international conferences, and seminars, collaborations, innovation and entrepreneurship thereby continually enhancing academic quality.

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 (MSIT) aligns its academic calendar with Guru Gobind Singh Indraprastha University, offering a detailed schedule of key events. Available on the college website, the calendar includes session start and end dates, mid-semester breaks, class dispersal, preparatory leave, and provisional exam schedules for practical and theory assessments.

Beyond regular classes, the calendar incorporates guest lectures, seminars, workshops, conferences, educational excursions, and project work to enhance student learning. Departments allocate subjects to faculty at the start of the academic year, ensuring organized curriculum delivery. Departmental timetables, aligned with the master timetable, are published online and displayed on notice boards at various places in the campus for easy access.

MSIT ensures strict adherence to the calendar, facilitating timely syllabus completion, specialized sessions, and internal evaluations. Student performance is monitored through structured assessments such as tests, assignments, quizzes, presentations, viva-voce, and mock exams. E-content is uploaded on Microsoft Teams by all the faculty members for students. Departments hold regular faculty meetings to manage and evaluate ongoing assessments. Individual teaching plans are prepared in advance, and monthly progress reports are reviewed to track syllabus coverage and address any delays. Mentors of each class holds regular meetings with students to solve their problems. This systematic approach ensures academic efficiency and continuous improvement in curriculum delivery.

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

4

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)**

6

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

598

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

598

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 actively integrates Professional Ethics, Gender Sensitization, Human Values, Environment, and Sustainability into its curriculum through various measures:

1. Curriculum Integration: The students are taught Human Values and Ethics and Universal Human Values in 1st and 6th semesters as per the new curriculum of GGSIP University to instil social values and ethics in students.
2. Prakriti MSIT and NSS societies actively host seminars and workshops focusing on social awareness, including topics on gender sensitization. A Declamation Competition "Diatriba" was conducted on 02/05/2024 on Gender Equality.
3. Expert Talk: On November 6, 2023, Dr. Sushil Chandra from Rishihood University delivered a talk on the "Role of Engineers for Mental Health Assessment and Improvements."
4. Gender Sensitization Seminar: A session on "Gender Sensitization" was conducted on October 5, 2023, to foster awareness among students.
5. Sustainability: A National Conference on "National Conference on Recent Trends in Climate Change, Energy and Sustainability (NCRTCES-2024)" was organized on 11-12 November, 2024
6. Environmental and Social Initiatives: The PRAKRITI society of MSIT organized multiple activities:
 - o Plantation Drive (July 24, 2023) and Herbal Garden Inception (October 2023): Promoted environmental responsibility
 - o Blood Donation Camp (September 25, 2023): Partnered with the Red Cross for a noble cause.
 - o Mental Health Awareness Week (October 11, 2023): Highlighted the importance of mental health.
 - o Food and Cloth Donation Drive (October 16 and 19, 2023): Supported underprivileged communities.
 - o ENVA 24 (January 31-February 1, 2024): Celebrated environmental awareness and student creativity.
 - o Self-Defense Workshop (March 6, 2024): Empowered women with

essential self-defense skills.

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**47**

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**1414**

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)	View File
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	https://msit.in/media/2024/12/07/students-feedback-2023-2024.pdf

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

87

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

Steps taken for advanced learners

Students are encouraged to

- undertake certification programs on topics other than academics, which are useful in skill development for industry.
- refer NPTEL lectures for difficult subjects to build a strong base of the subject necessary for interviews and higher studies
- publish / present research papers in National and International conferences
- make professional presentations and present them in Seminars, Conferences and Project presentations
- pursue internship programs in the industry to bridge the industry-academia gap.
- to pursue higher studies with the letter of recommendations provided by HOD and faculty.
- participate in National level competitions like Smart India Hackathon, Ideation and Innovation contests organized by Ministry of Education etc to stimulate out-of-the-box thinking
- Semester toppers and university rank holders are felicitated on the Institute's Annual Day.

Steps taken for slow learners:

- Remedial classes are taken for students to clear the basics

of students and problems are solved in detail

- Mentor-mentee interaction keeps faculty in constant touch with students, irons out academic and personal issues, stimulates overall personality development. Regular meetings are conducted with the students to identify their problems and provide them appropriate solutions
- Problems and needs of the students are discussed with parents during PTMs and suitable steps are suggested.
- Academic problems are addressed in tutorial classes, assignments are evaluated, and suggestions for improvement are made.
- Students are encouraged to take part in departmental/institutional activities to boost their confidence beyond academics

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
2839	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

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. Six months internship / Major projects have been introduced for students of 2021-25 batch onwards. The following modern learning approaches are used

- **Project-Based Learning (PBL):** Students work on real-world projects, applying their knowledge and skills to solve complex problems during their Minor Project in 7th semester. They develop models / softwares during their curriculum. They also participate in Annual Technical Festival to develop their personality and work together on projects, solve complex problems, and learn from diverse perspectives.
- **Problem-Based Learning (PBL):** Students learn by working collaboratively to solve authentic problems, developing critical thinking and problem-solving skills. Students are the members of different cells such as Incubation / E-Cell, Institute Innovation Cell and IEEE Cell and participate in different activities to enhance their skills.
- **Experiential Learning:** Students gain knowledge and skills through hands-on experiences, such as internships, field trips, and simulations. Department organizes various field trips to give exposure to students.
- **Cooperative Learning:** Students work in small groups to learn from each other and achieve common goals. Cells like NSS and Unnat Bharat Abhiyan (UBA) allow students to participate in activities to provide hands-on experience in delivering community service.

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

Faculty combines technology with traditional mode of instructions to engage students in long-term learning using the following ICT-enabled tools 1. ICT enabled classrooms and Seminar Halls with LCD projectors/Smart Boards and Internet / Wi-Fi connectivity for teaching through power point presentations, video lectures and digital pens 2. Latest softwares like python, R studio, CST etc for practical exposure in labs to the students 3. Labs with i7 computers and printers with latest configuration 4. GPUs for high performance computing in the field of Artificial Intelligence, Machine Learning, Data Analytics, Statistics, Deep Learning and other advanced subjects 5. Online classes through Zoom, Google

Meet, Microsoft Team, Google Classroom etc 6. Microsoft Teams to manage and post course-related information- learning material, quizzes, lab submissions and evaluations, assignments, etc. 7. Access to Online/E-Journals, NPTEL, NDLI, subject notes, previous year question papers, lab manuals and other useful E-Resources. Subscription of 5222 E-books & 1827 Online Journals from IEEE, Elsevier's ScienceDirect, Springer Nature, Sage, Manupatra, LexisNexis, AIR online and EBSCO 8. Inter-Library Linkage Facility through DELNET Institutional Membership.

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

89

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 are 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 / Internship / 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 an affiliated college of the GGSIP University, Delhi and is guided by the regulations formulated at the 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 term examinations. As per the new scheme and syllabus of GGSIPU, this division has been changed to 40 and 60 marks for the students admitted from 2023-24 onwards.

Minimum 75% attendance is required 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. 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), Program Outcomes (POs) and Program Specific Outcomes (PSOs) 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.

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

3. 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. 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)

<https://msit.in/media/2024/12/07/students-feedback-2023-2024.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)

1912112

File Description	Documents
Any additional information	No File Uploaded
e-copies of the grant award letters for sponsored research projects /endowments	View File
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

2

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

65

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****112**

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****61**

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

At Maharaja Surajmal Institute of Technology, we believe in creating an environment where students are encouraged to contribute to the community and develop a genuine sense of social responsibility. Activities like those organized by the National Service Scheme (NSS), the eco-club, the drama society, and the music society help students connect with social issues and make a difference. These programs not only raise awareness but also inspire students to take meaningful action for the betterment of society. Some extensive activities organized are:

1. Cloth Donation Drive, 19th Oct, 2023
2. Food Donation Drive, 16th Oct, 2023
3. Tree Plantation Drive, 22nd Apr, 2024

4. Sanitary Pads Distribution, 29th Apr, 2024
5. Blood Donation Camp, 25th Sept, 2023
6. Mental Health Awareness Week, 11th Oct, 2023
7. Self Defence Workshop on Women's Day, 6th March, 2024
8. PES Day Celebration with Orphans at "Mahila Ashram", 24 April 2024

File Description	Documents
Paste link for additional information	https://msit.in/media/2024/12/07/nss-eco-club-uba-report.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

48

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

26

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

7061

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

1004

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

36

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 an AICTE-approved Institute, and affiliated to GGSIP University, Delhi. Established in 2001, 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 is strong focus on the academic excellence throughout the course through regular tests, tutorials and guest lectures. There are 107 well-lit rooms, these are upheld as lecture halls, classrooms, tutorial rooms, and laboratories. There are 40 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. 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 activities to enhance students' creative and artistic pursuits. Every year, the Institute hosts the annual cultural function "Genesis," in which students plan a variety of events with a large number of college participants. The Institute has an auditorium and three Seminar / Cultural halls for cultural activities. Mutants Cultural Society consists of four societies: OCTAVE Music Society, RAMBH Dramatic Society, Unity Street Dance Crew, and Astitva Dance Society. These societies have presented various events at several occasions such as Annual Day, Annual Cultural Festival, Alumni Meet, Conferences and other events.

Sports activities are being conducted at MSIT on a regular basis under the direction of the sports committee. The Institute has several sports facilities including Football / Cricket ground, Table tennis, Badminton, Gymnasium, Carrom, Chess and other indoor games etc. Sports Day is a pivotal event, igniting a passion for physical activity while nurturing essential life skills in students. It encourages physical fitness, promotes teamwork, and fosters healthy competition, creating a vibrant space for personal growth and camaraderie. With this vision in mind, Annual Sports Meet was organized on 29th and 30th January 2024 at the Institute's sports ground in collaboration with NSS cell of MSIT. Sh. Rohit Kumar Chillar (Indian Kabaddi Player) was the event's chief guest. Events such as Sprints, Relay Race, Tug-of-War, Discus Throw, Shot put, Javelin Throw were among the few events during the meet.

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)**

95.30

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)**

MSCL was started in the year 1982. Presently, Library has the following resources

1. 64018 books including 4083 Reference Books (CL-21316, BB - 42702), 2043 CDs of various disciplines, subscription to 60 Printed Journals [N -48 & I -12], 21 magazines, and 17 Newspapers. All the books are barcoded.
2. Subscription of 5222 E-books & 1827 Online Journals from

IEEE, Elsevier's ScienceDirect, Springer Nature, Sage, Manupatra, LexisNexis, AIR online and EBSCO

3. Plagiarism software Turnitin's "ithenticate".
4. Maharaja Surajmal Institute's Central Library is using "KOHA" (Developed by Katipo Communications Ltd, New Zealand). 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.

Library Facility

1. Fully AC Reading Rooms with seating capacity of 150 students.
2. Wi-Fi enabled Library with 5 printers (scanner, Photocopier cum printer) are also available. Photocopy facility is also available at campus.
3. Computer facility with 36 computers with headphones and internet connectivity.
4. Access to Online/E-Journals, NPTEL, NDLI, Subject Notes, Previous Year Question paper and other useful E-Resources.
5. Online document Reservation System through WebOPAC.
6. Inter-Library Linkage Facility through DELNET Institutional Membership.
7. Besides personal assistance, special facility for divyang students.
8. Scanning, reprographic, orientation, CAS, SDI and DDS Facility.

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)

20.42

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

409

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

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. The Institute has recently upgraded its Seminars halls / Labs by adding 10 Smart boards and a Digital Signage. 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 is for departmental use like CST software (ECE), Smartbear QA complete (CSE), Orell Digital Language software (Applied Sciences), Tanner Tools (ECE), SQL Server 2000 (CSE/IT). There is adequate access to computers and internet facilities to the students and faculty. Bandwidth available for 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

634

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)****138.21**

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.

- Every item that has undergone physical verification is listed in a stock register, which also keeps track of preventive maintenance.
- Regular maintenance of computer laboratory equipment is done by technical staff in each lab.
- The maintenance of IT infrastructure, including PCs, printers, UPSs, and internet access points like WiFi, is handled via outsourcing (AMC).
- Numerous financial assistance programs and policies exist, such as the Economically Weaker Section (EWS) Scheme, Merit-cum-Means Linked Financial Assistance Scheme, Post Matric Scholarship for SC/ST/OBC students, Centrally Sponsored Schemes (National Scholarship Portal), Saksham Scholarship Scheme for Specially abled student, Pragati Scholarship Scheme for Girls Student and centrally sponsored scheme such as National Scholarship Portal are available for students.
- The caretaker and related employees regularly clean the water tank, dispose of paper waste, control pests, landscape, and maintain lawns.
- The caretakers are responsible for the general maintenance of classrooms and the auditorium.
- The college procurement committee approves repairs for broken projectors and other equipment.
- The institute has an 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.
- Students can avail Book Bank facility which was initiated during 2006-2007. All the students joining the institute are being given a set of textbooks every year.

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

222

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**31**

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**819****5.1.4.1 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year****819**

File Description	Documents
Any additional information	No File Uploaded
Number of students benefited 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
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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

431

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

20

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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

21

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.

25

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 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 managed by Student's coordinator and faculty members. Students play a major role in the execution of these societies. Various Societies are namely: IEEE, TechSoc, Prakriti/ NSS, Mutant, 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. 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. 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. TechSoc, the technical society of MSIT was formed by the amalgamation of various technical clubs pre-existent in the college. This was done to channelize the scattered efforts and to provide a common platform which catered to the technical needs of the students.

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

39

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 organisation that includes more than 4000 alumni working in different countries. The association consists of faculty members from all departments including Dr. Richa Gupta as Convener and six founder students. MSIT Alumni Association is dedicated to creating a unified platform for graduates of the institute. Recently Maharaja Surajmal Institute of Technology held its annual Alumni Meet on October 26, 2024. We have separate website for alumni <http://msitalumni.com> developed by the students of MSIT. Maharaja Surajmal Institute of Technology held its annual Alumni Meet October 26, 2024. The event was attended by Smt. Esha Jakkar , Vice president, SMES, Prof. Archana Balyan Director, MSIT , Dr. H S. Rawat, Director Placements, faculty, 100 alumni from the previous batches, and students from the current batches. The event celebrated the remarkable achievements of MSIT alumni, who have excelled across diverse fields—from holding influential roles in leading multinational companies to making impactful contributions in government and public service, including success in rigorous exams like the UPSC. Our alumni exemplify how hard work, determination, and the education received at MSIT can open doors to limitless opportunities.

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 harmoniously aligned with the vision and mission of the institution. The Vision and Mission statement of the institution are 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 & Technology for the all-round professional development of students to enable them to meet the growing technological needs of the country. The Mission is: Developing new paradigm in imparting education in the fields of Engineering and Technology and to imbibe the National values leading to the student's empowerment, with a view to prepare them to meet the national and global challenges. The college acknowledges the potential of teachers to be important stakeholders in the realization 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, Library Committee, and are engaged in policy formulation, planning, execution and monitoring of the institution's diverse activities. 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.

The 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 development of policies, forming their guidelines, their implementation and regulation and timely monitoring are: 1. Governing Body, 2. Academic Committee, 3. Finance Committee, 4. Executive Committee, 5. Discipline Committee 6. Purchase Committee, 7. Construction Committee etc. The various bodies headed by the faculty are: 1. Affiliation Committees (GGSIPU, AICTE, NAAC, NBA), 2. Examination Cell, 3. Time Table Committee, 4. Alumni Association Committee 5. Discipline Committee, 6. Student Grievance Committee, 7. Internal Complaint Committee, 8. Anti-ragging Committee, 9. Research Committee, 10. Internet Committee, 12. E-cell, 13. Unnat Bharat Abhiyan, 14. Placement Cell, 15. Institute Industry Cell etc.

The institution employs a well-structured decentralized and participative management approach concerning all its activities and initiatives. All these teams encompass Deans, In-charges, Heads of the departments and faculty members and students at all possible levels to imbibe a sense of leadership among them. Teachers fulfill the academic or workload /admission requirements of the college. Director, Dean, Head of Department, Proctors and Mentors of each class and faculty of various other committees for the conduct of several events involve and help the students from time to 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). Additional committees like the Cultural Committee, IIC-Cell, IIIC-Cell also function under the supervision of teachers.

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

Senior faculty members from our college have been a part of the curriculum development committee formulated by University. For every semester subject coordinators are selected from affiliated Institutes. The curriculum and lesson plan of each subject is shared with students and study material is uploaded on Microsoft Teams for students.

Teaching and Learning

Teaching and learning methodology includes classroom teaching, presentations, quizzes, hands on activities etc. Computer with latest configuration, high speed internet, original licensed software, and smart boards greatly enhance the quality of teaching.

Examination and Evaluation

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

Research and Development

Institute has subscribed various online research journals and books to provide latest resources. The institute motivates the faculty members to attend research-oriented seminars/workshops/conferences, etc., by providing special leave and registration fee. Faculty members are awarded with cash prizes for publishing papers in WoS-indexed Journals. The Institute has recently collaborated with Wentworth Institute of Technology,

Boston to organize an International Conference on Artificial Intelligence on 19-20, March 2024.

Industry Initiative/Collaboration

The Institute has constituted Institute Industry Cell for better collaboration between Institute and industry. The cell arranges internship programmers for students. This provides a unique opportunity to 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:

- All the regularized 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.
- On duty leave is given to teaching staff for External Examiners, Paper checking, and University Representative.

- Study leave is granted for higher education and qualification improvement. Incentives for R&D activities,
- Personal computers and printers are provided to all the faculty members.
- Reimbursement of Fee for presenting papers in International and National Conference.
- Recognition of the faculty with Best Faculty Award and Best Employee Award with cash prizes.
- A college-appointed counselor counsels faculty and students.
- Staff quarters are available within the college campus to provide accommodation for the faculty.
- Teaching staff is given summer and winter vacations while non-teaching staff is given Earned leaves in addition to Casual and Medical leaves.

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

26

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

10

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

121

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) performa filled and submitted by individual faculty. The performa

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 performa is then reviewed by the HOD, and the director. The final performance functioning status of the faculty is set up and confidentially maintained in the office of the institute. A best faculty award is also awarded on the annual day on the basis of annual progress report which includes entire academic, administrative and research work contributed by the faculty. To encourage the research in faculty members, they are provided with Rs 5,000 for each SCI/SCIE publications. Faculty members are promoted to higher grade after completion of Ph.D as per their seniority and eligibility through a selection panel.

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

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 audit are being carried out on monthly and yearly basis. The Internal audit is being done on 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 annual basis. This is basically a Balance Sheet audit wherein the basic vouching is checked on 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 gives 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)

1197700

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)	View File

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. In the beginning of each year, every department furnishes revenue and capital budget which will be reviewed and approved by the management Governing Body. Budget is reviewed by treasurer, secretary and director on a quarterly basis. 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. Library and laboratory are regularly updated by purchasing various items by the purchasing team. Faculty is 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 for institutionalizing the 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 feedbacks submitted online are anonymous and hence generally fair. The feedback 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 are organized for the faculty to enhance the quality of the teaching-learning process.
- Assessments of students are conducted through internal evaluations, pre-final examinations, and external test assessment.
- Industrial visits and seminars are systematically arranged for the benefit of the students.
- Remedial classes and doubt-clearing sessions are organized for students who exhibit academic challenges by their respective subject instructors.
- There has been an augmented utilization of ICT tools within the teaching and learning framework. Recently, Smart Boards have been installed in the Institute
- A detailed course plan is formulated at the commencement of each academic session and disseminated to the students.
- Regularly scheduled Parent-Teacher Meetings are conducted.
- Parents are warmly invited to the Orientation Programme for their children on the inaugural day of college each academic year.
- Parents are welcomed to participate in Stakeholder Meetings
- Parents are cordially invited to attend the Appreciation Ceremony honoring Meritorious Students during the Annual Day celebration
- The activities of the Incubation and Innovation Cell are actively encouraged.
- Initiatives fostering Faculty-Student Entrepreneurship are

promoted.

- Research endeavors are supported by recognizing faculty contributions through awards for research projects and publications in journals indexed in the Science Citation Index (SCI).

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

The Institute has taken the following steps to promote gender equity during the year

- 1. Prakriti MSIT and NSS actively host seminars and workshops focusing on social awareness, including topics on gender**

sensitization. A Declamation Competition "Diatriba" was conducted on 02/05/2024 on Gender Equality.

2. Advocating the need for safety for women, a yearly self-defence workshop was conducted by NSS and Prakriti cell on 06/03/2024 to celebrate International Women's Day.
3. A session on "Gender Sensitization" was conducted on 05/10/2023 to foster awareness among students.
4. Women are appointed to key decision-making roles in core committees, including the grievance cell, SC/ST cell, discipline committee, and other core committees.
5. On-campus CCTV surveillance has been established to enhance the safety and security of all individuals on campus.
6. A Girls Common Room is available for girls students in the main building.
7. A Counsellor for both girls and boys is available in the Institute for any problems faced by students.
8. The undergraduate curriculum includes a course on "Human Values and Ethics" to instill social values and ethics in students.
9. A Seminar on "Role of Engineers for Mental Health Assessment and Improvements" was conducted by ECE Department on 06/11/2023 and "Mental Health and Emotional Intelligence of Students and Substance -Abuse among students" was held on 29/11/23. A FDP on stress management was conducted from 15/01/24 to 19/01/24.
10. The Internal Complaints Committee and Grievance Redressal Committee have been established to tackle issues of gender inequality and sexual harassment.

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 - The E-waste of the Institute (Obsolete and discarded computers and equipment) is sold to authorized vendors for E-waste. The institute has also donated old working computers to the schools under SMES group of institutions.

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:**

- 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

A. Any 4 or All of the above

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,**A. Any 4 or all of the above**

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

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).

The institution actively fosters an inclusive environment by:

- 1. The Institution makes efforts to provide an inclusive environment.**
- 2. Prakriti MSIT is working proactively for the benefit of socially and economically underprivileged people by donating old clothes, food donation drives and sensitizing them about social issues by organizing workshops/ seminars.**
- 3. UBA cell organized the cleanliness drive and Gram Sabha to sensitize village people about the 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.**

5. The students of UBA MSIT planned an organised program in village Nangal Raya on April 25, 2024, to aware school students about the ill effects of the mobile phone and realize the importance of their physical health.
6. UBA MSIT organized a sanitary distribution drive along with the Grateful Child Welfare Foundation (GCWF) in Tihar Village as a part of our ongoing community development initiatives. The objective of this drive was to address the crucial need for hygienic products and promote awareness about sanitation practices among the residents of Tihar Village.
7. To manage the issues of minorities, the SC/ ST cell is working actively in the Institute.

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 the departments have been defined.

2. The institute follows GGSIPU's Code of conduct.

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. This program was organized on 12-15 Sep, 2023 and students and faculty were made aware on Discipline and Code of Conduct for students, Code of Conduct for Non-Teaching Staff, Code of Conduct for Teaching

Staff, and Academic Research and Ethics Regulations 2021

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	No File Uploaded
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	View File
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	View File
Any other relevant information	No File Uploaded

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

The institution actively organizes national and international commemorative days and festivals as part of its best practices and social responsibility initiatives. Students eagerly participate in these celebrations and engage in various cultural activities throughout the year. Committees like Prakriti and Unnat Bharat

Abhiyaan organize both on-campus and off-campus events, seminars, and workshops, including activities such as Self Defence Workshop on International Women's Day, Blood Donation Camp, Food Donation Drive, Cloth Donation Drive, International Stuttering Awareness Day and World Tourism Day etc. Additionally, the Institute Innovation Cell hosts workshops to mark Innovation Day. To promote environmental sustainability, the institution conducts a Tree Plantation Drive.

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.

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.

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.

2. 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.
3. 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 premier 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 instil in the students a sense of team spirit, responsibility and professional integrity. 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 have been selected in Civil services, companies like Amazon, Google, Microsoft Adobe, Nazdaq, Goldman Sachs, Expedia, ZS Associates, Fyusion Inc, ION Trading, Cisco, Yamaha, Infosys, Accenture, TCS, 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. Encourage faculty publications in WoS and Scopus-indexed Journals.
2. Organize National/International Conference and Seminars in collaboration with Industry, Ministry and Academic Institutions.
3. Expand financial support schemes for students.
4. Implement career counselling across all departments.
5. Organize seminars, projects, and workshops to enhance the teaching-learning process.
6. Facilitate student and faculty exchange programs with other organizations and foreign universities.
7. Establish collaborative initiatives with other organizations.