



Yearly Status Report - 2018-2019

Part A

Data of the Institution

1. Name of the Institution	MAHARAJA SURAJMAL INSTITUTE OF TECHNOLOGY
Name of the head of the Institution	PROF. (DR.) K.P. CHAUDHARY
Designation	Director
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	01125552667
Mobile no.	9871213638
Registered Email	director@msit.in
Alternate Email	kpc@msit.in
Address	C-4 Janakpuri, New Delhi
City/Town	NEW DELHI
State/UT	Delhi
Pincode	110058
2. Institutional Status	
Affiliated / Constituent	Affiliated
Type of Institution	Co-education
Location	Urban
Financial Status	private

Name of the IQAC co-ordinator/Director	Koyel Datta Gupta
Phone no/Alternate Phone no.	01125552667
Mobile no.	9999061790
Registered Email	iqac@msit.in
Alternate Email	koyel.dg@msit.in

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	http://www.msit.in/iqac
4. Whether Academic Calendar prepared during the year	Yes
if yes, whether it is uploaded in the institutional website: Weblink :	http://www.msit.in/media/notices/academic-calendar-jan-july-2019.pdf

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	A	3.11	2016	05-Nov-2016	04-Nov-2021

6. Date of Establishment of IQAC

03-Aug-2011

7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/beneficiaries
NBA	15-Mar-2019 1	1450
NBA	31-Aug-2018 3	1050
ISO Certification	24-Apr-2019 1	2500
Academic Audit	22-Jan-2019 1	2500
Faculty Lecture Series	20-Nov-2018 21	130

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

Institution/Department /Faculty	Scheme	Funding Agency	Year of award with duration	Amount
MSIT/Dr. Neeru Rathee	SCIENCE FOR EQUITY EMPOWERMENT DEVELOPMENT DIVISION	Department of Science & Technology	2019 1	452000
MSIT/Dr. Sudesh Pahal	UNNAT BHARAT ABHIYAN	Ministry of Human Resource Development	2018 2	50000

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9. Whether composition of IQAC as per latest NAAC guidelines:	Yes
Upload latest notification of formation of IQAC	View File
10. Number of IQAC meetings held during the year :	4
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	Yes
Upload the minutes of meeting and action taken report	View File
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	No

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

- NBA accreditation of ECE and EEE department and Further accreditation status on the basis of Compliance Report of CSE IT
- Annual Academic Audit and ISO Surveillance Audit
- More Faculty Development Programs, workshops and seminars were organised for ensuring quality in higher education and creating awareness to bridge the gap between academia and industry.
- Organised various extension activities for students.

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

Plan of Action	Achivements/Outcomes
Academic Calendar	The Academic Calendar for the session (2018 19) was effectively followed.

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14. Whether AQAR was placed before statutory body ?

Yes

Name of Statutory Body	Meeting Date
Governing Body	14-Jan-2019

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?

Yes

Date of Visit

15-Sep-2016

16. Whether institutional data submitted to AISHE:

Yes

Year of Submission

2019

Date of Submission

27-Mar-2019

17. Does the Institution have Management Information System ?

Yes

If yes, give a brief descripton and a list of modules currently operational (maximum 500 words)

The institution is steadily moving from the traditional to automated Management Information Systems (MIS). The following systems are fully functional in the Institute from last few years. 1. Biometric Attendance System for Staff 2. Library is fully automated and uses the software WebOPack 3. Institutional email system 4. LMS (Moodle) 5. CCTV and Security Systems In MSIT, we have a total staff of around

200 people and we are using Biometric machine to keep attendance record of all the staff on daily basis. For each and every staff member we have assigned a unique User ID number (contains 9 numeric digits) and to easily identification of every department has different User IDs (initial 4 digits) like as 1010 for CSE Department, 1020 for IT department and same for all others. So from technical point of view we are currently using Biometric machine designed by eSSL company ltd. In which we are using two different modes of punching attendance either by face scanning or by fingerprint scanning. It means staff members can register their attendance by either methods (face or fingerprint). To calculate total duty hours machine automatically take count of the hours between first punch and last punch registered on machine on each and every respective day. We can also fetch the old data as and when required because once the data is downloaded it is stored permanently in the database of the software. For accessing the attendance records Biometric machine is connected with System through LAN (Local Area Network) and also assigned a different IP address to machine. The system connected with Biometric machine has software for the same. Library BookBank is fully computerized. All the library operations like Accessioning Cataloguing of Books/CDs /Periodicals/Journals /Magazines, Circulation (Issue/Return), Reports etc. are fully computerized. The

WebOPAC facility is also available wherein the Library Patrons can search reserve the library Books/CDs etc. online. Library Automation offers many opportunities to improve service for library patrons. Among other benefits, it makes materials easier for patrons to Locate as well as allowing staff to better serve patrons by facilitating a multitude of staff tasks such as acquisitions, cataloguing, circulation and reference etc. Apart from all these the students are encouraged to develop apps, websites and software as per the requirements. The social media profile of the institute is also actively managed by the team of students. The latest news, updates and information is provided to various stakeholders through facebook, website, and other social media platforms.

Part B

CRITERION I - CURRICULAR ASPECTS

1.1 - Curriculum Planning and Implementation

1.1.1 - Institution has the mechanism for well planned curriculum delivery and documentation
500 words

The Institute adopts the curriculum overview provided by the Gur Singh Indraprastha University. We impart quality education by focusing on optimal utilization of potential resources, institutional goals and objectives towards the students. The institution has developed a structured and effective implementation of the university curriculum. The various mechanisms through which effective execution of the curriculum is ensured: • HOD's Meetings are held once in 15 days to ensure to provide effective quality education to students. Director conducts meeting with all HODs to ensure uniform procedure is followed throughout the campus. • Academic Calendar: Academic Calendar is prepared as per the Guru Gobind Indraprastha University academic schedule and the requirements of each department level are formed. • Each department sets their own Vision and Mission which match with the Institutional Vision and Mission. Educational Objectives (PEO) and Program Outcomes (PO) are developed.

each program and Course Objectives (CO) and course outcomes are done for each course (theory and lab). • Lesson Plan: A Lesson plan includes course outcomes, course objectives, content topics, number of lectures required to complete a specific topic, reference books and the expected outcomes to be achieved by the students by learning through the topics prepared by respective faculty members at the beginning of each semester. It gives an insight into how each lecture class will be handled throughout the semester meeting the Mission of the Concerned Department.

1.1.2 - Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employability/entrepreneurship	Number of Students
No Data Entered/Not Applicable !!!					

1.2 - Academic Flexibility

1.2.1 - New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Number of Students
BTech	Computer Science & Engineering (increase of intake by 60 seats in existing course)	0
BTech	Information Technology (increase of intake by 60 seats in existing course)	0

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

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS Course System
No Data Entered/Not Applicable !!!		

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

Certificate	Diploma Course
No Data Entered/Not Applicable !!!	

1.3 - Curriculum Enrichment

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

Value Added Courses	Date of Introduction	Number of Students Enrolled
SoftSkills	19/08/2019	30

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1.3.2 - Field Projects / Internships undertaken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled in Projects / Internships
BTech	Summer Training (Dkop Labs Pvt. Ltd.)	25

1.4 - Feedback System

1.4.1 - Whether structured feedback received from all the stakeholders.

Students	Y
Teachers	Y
Employers	Y
Alumni	Y
Parents	Y

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

Feedback Obtained

Collection of Feedback from Students, Parents and Alumni: The Inst collects the feedback on curriculum aspects and courses from diffe stakeholders namely, Students, Parents and Alumni. The Institution the "Teaching and learning process" as per the ISO 9001: 2005 stan order to ensure and analyze the academic excellence at student and levels. The college maintains an Internal Quality Assurance Cell a quality consistence and quality enhancement measure. In supervisio several other committees like AntiRagging and internal complaint C Student Grievances Committee, to reinforce the curriculum by incor updated information and diurnal social issues. Students are invite means of Moodle (Moodle - Open Source Learning Platform) link, to brief online feedback form on an anonymous basis, twice in a semes feedback is obtained in the middle of the semester and second feed filled towards the end of semester. The student feedback exercise entirely confidential and anonymous. The analysis of the feedback is made by the respective Head of Departments from the following: performance, faculty performance in every semester, utilization of infrastructure and requirements for quality improvement. The Head Department conducts meeting with faculty, if necessary, and discus various points as per the received feedback for necessary action t so as to enhance class room teaching and in conducting laboratory The faculty also provides his feedback to the Head of department f enhancement during the meeting. The Institute also collects the fe from the students of final year (8th semester) on the Curriculum w prescribed by the GGSIPU University, infrastructure, lab facilitie ambience, sports facility, canteen etc and any other additional po physically. The survey is further analyzed and a report for the sa by each department. The issues are presented in the IQAC meeting a communicated to the Director and Management for the necessary and action. Feedback from various industrial setups/organizations is o from the students. Further, the college conducts annual Alumni Mee which suggestions and feedback is received from Alumni students. T provided feedback data is presented to the Head of the Institute f necessary implementation. Alumni surveys are conducted during alum interaction at the alumni association meeting held every year.

CRITERION II - TEACHING- LEARNING AND EVALUATION

2.1 - Student Enrolment and Profile

2.1.1 - Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received
BTech	Computer Science and Engineering	240	5000
BTech	Information Technology	180	3000
BTech	Electronics and Communication Engineering	180	3000
BTech	Electrical and Electronics Engineering	60	1000

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2.2 - Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	t
2018	2421	0	127	0	

2.3 - Teaching - Learning Process

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

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-teaching
127	127	1	18	18	

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

MSIT is one of the top engineering colleges in Delhi. Delhi being a cosmopolitan city there is a wide diversity in the social and financial background of the students it is our policy to entertain the hopes and aspirations of students from all over the country irrespective of their social and financial background. Students from rural areas lack proper academic background and financial backup. Mentoring, thus, is an essential feature to impart unbiased service to all our students having varied backgrounds.

Student mentorship has the following aims:

- To improve teacher-student relationship
- To improve students' academic performance and attendance
- To motivate students to explore their true potential
- To identify and motivate the slow learners and encourage the advanced learners
- To render assistance to all students

The IQAC has taken the initiative of implementing the mentoring of students. Every 20 students is assigned a teacher mentor who would perform mentoring duties. A Mentoring Guidelines is prepared by the IQAC to ensure uniformity.

- Mentors maintain and update records containing particulars and performance of students (class tests, monthly attendance records, co-curricular certificates etc.)
- Mentors are required to meet their respective group at least once a month and offer necessary guidance and counselling to individuals.
- In isolated cases parents are called for counselling/special meetings with the Director/HOD at the suggestion of the Mentor.
- In

identified as having weakness in particular subjects, the Mentor should notify the concern

Number of students enrolled in the institution	Number of fulltime teachers	Mentor :
2421	127	:

2.4 - Teacher Profile and Quality

2.4.1 - Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No
122	127	0	10	

2.4.2 - Honours and recognition received by teachers (received awards, recognition, fellowsh National, International level from Government, recognised bodies during the year)

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, received from Govt recognized b
2019	Prof. K.P. Chaudhury	Director	Roll of Honour k Level Telecom Centre
2019	Dr. Pardeep Sangwan	Assistant Professor	NET
2019	Mr. B.K. Hemant	Assistant Professor	NET
2018	Prof. K.P. Chaudhury	Director	Best Private En College of De Dialogue I

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2.5 - Evaluation Process and Reforms

2.5.1 - Number of days from the date of semester-end/ year- end examination till the declar during the year

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of de results of se year- end e
BTech	27 (CSE) 31 (IT) 28 (ECE) 49 (EEE)	Odd Semester (AugDec 2018)	27/12/2018	18/04
BTech	27 (CSE) 31 (IT) 28 (ECE) 49 (EEE)	Even Semetser (Jan May 2019)	04/06/2019	20/09

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2.5.2 - Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional le words)

Centralized Continuous Internal Evaluation System The institution has implemented Centralized Continuous Internal Evaluation (CIE) System to assess the progress of a student's development on a continuous basis throughout the programme to ensure overall growth of students in every sphere of life. The following steps are implemented to ensure smooth execution of CIE: • Awareness Evaluation Process: Students are made aware of the evaluation process and amendments in existing process and schedules through their contact with the proctor/teacher. Result Analysis Review Meeting: Result Analysis is conducted by the subject teachers after every CIA 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 the HOD and the necessary feedback is given to the concerned faculty member after they are briefed about their wards' performance in PTM. • Remedial Examinations are conducted for the slow learners, absentees and the students who do not participate in Sports, NSS activities and Placement Interviews. • Final Examinations of three hours duration are conducted at the end of each semester for all the theory papers and practical papers. Students who do not satisfy the eligibility criteria of 75 attendance in each semester are not eligible for University Examination.

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

The Exam Cell was established by the MSIT keeping in view the various activities of examinations. The important role of Exam Cell is to assist the students with all types of help like informing them the academic calendar, examination schedules during the entire programme. Moreover, Exam Cell is also responsible to conduct all the MidTerm, Practical and EndTerm Theory Examinations, Common Entrance Tests every year in a fair and transparent manner. The activities involved with the Exam Cell include display of all examination notices, date sheets, allotted examination centers, issuing admit cards, semester marks sheets, degrees, provisional degrees, consolidated marks sheets, course completion certificates, migration certificates, transcripts etc. Also, processing students' applications to the university for duplicate marks sheets, degrees, correction in results, corrections in marks sheets, degrees, recheck forms, getting the examination forms or registration charts filled by the students, submission of reappear fees in the university, preparation of results of students and keeping records of documents issued to the students. For B.Tech. Programme, an Examination Coordination Committee is constituted by the University to appoint subject coordinators for setting the examination papers centrally for all the colleges to maintain the quality of examination. The Exam Cell is responsible to receive question papers from other colleges and submit question papers for other colleges, preparation of seat chart, preparation of practical date sheet, preparation and circulation of attendance chart, keeping records of students attendance during examinations, Issue Register, Marks Sheet Distribution Lists, analyzing student performance data every year.

2.6 - Student Performance and Learning Outcomes

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

[CSE Dept. http://www.msit.in/cse](http://www.msit.in/cse) [IT Dept, http://www.msit.in/it](http://www.msit.in/it) [EEE Dept. http://www.msit.in/ece](http://www.msit.in/ece)

2.6.2 - Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination
27	BTech	B.Tech (CSE 1st & 2nd Shift)	200	197
28	BTech	B.Tech (ECE 1st & 2nd Shift)	178	177
31	BTech	B.Tech (IT 1st & 2nd Shift)	132	131
49	BTech	B.Tech (EEE)	58	56

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2.7 - Student Satisfaction Survey

2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution ma questionnaire) (results and details be provided as weblink)

http://www.msit.in/media/notices/cse-department-college-feedback-batch-2015-2019_tYzY1OP.pdf

CRITERION III - RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Resource Mobilization for Research

3.1.1 - Research funds sanctioned and received from various agencies, industry and other org

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount during
Minor Projects	1	Department of Science Technology	4.52	

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3.2 - Innovation Ecosystem

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

Title of workshop/seminar	Name of the Dept.
Intellectual Property Rights (Mr. R.P. Yadav)	Institute (all department)

3.2.2 - Awards for Innovation won by Institution/Teachers/Research scholars/Students during

Title of the innovation	Name of Awardee	Awarding Agency	Date of award

StrokeRehab	Joyendra Roy Biswas Parth Chopra	Ministry of Human Resource Development	10/09/20		
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3.2.3 - No. of Incubation centre created, start-ups incubated on campus during the year					
Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Dissemination/Comm
No Data Entered/Not Applicable !!!					
No file uploaded.					
3.3 - Research Publications and Awards					
3.3.1 - Incentive to the teachers who receive recognition/awards					
State	National		International		
			5		
3.3.2 - Ph. Ds awarded during the year (applicable for PG College, Research Center)					
Name of the Department					Number of PhD's
Computer Science and Engineering					3
Electronics and Communication Engineering					2
Electrical and Electronics Engineering					1
3.3.3 - Research Publications in the Journals notified on UGC website during the year					
Type	Department		Number of Publication	Average (Citation Index)	
International	Computer Science and Engineering		8		
International	Electronics and Communication Engineering		26		
International	Electrical and Electronics Engineering		7		
International	Information Technology		19		
3.3.4 - Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year					
Department			Number of Publication		
CSE (1st Shift)			9		
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3.3.5 - Bibliometrics of the publications during the last Academic year based on average citation index Scopus/ Web of Science or PubMed/ Indian Citation Index					
Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the paper

					publication
A lowcost triboelectric sensor for speed measurement and weight estimation of vehicles	Ms. Deepshikha Yadav, Dr. Puneet Azad	IET Intelligent Transport Systems	2018	2.05	Maharaja Surajmal Institute of Technolog

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

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	
Energy Efficient QoS Aware Hierarchical KF MAC Routing Protocol in MANET	Dr. Meena Rao	Wireless Personal Communications, Springer	2018	48	1	

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

Number of Faculty	International	National	St
Attended/Seminars/Workshops	7	31	
Presented papers	42	2	
Resource persons	1	0	

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3.4 - Extension Activities

3.4.1 - Number of extension and outreach programmes conducted in collaboration with indus community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross during the year

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	pa su
World mental Health Awareness Seminar on 10th	Organiser NSS and PRAKRITI -the environmental and Humanitarian Society of MSIT Collaborating Agency Dr Deepali Batra,	2	

Oct 2018

renowned Clinical psychologist

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

Name of the activity	Award/Recognition	Awarding Bodies	Number of students
BLOOD DONATION	Certificate	Rotary, JanakPuri	15

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

Name of the scheme	Organising unit/Agency /collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated
Unnat Bharat Abhiyan	MHRD	Survey for problem identification and preparation of Action Plan of 5 villages	10	

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3.5 - Collaborations

3.5.1 - Number of Collaborative activities for research, faculty exchange, student exchange etc. during the year

Nature of activity	Participant	Source of financial support
Project Work	MSIT/Dr. Neeru Rathee	Department of Science Technology
Unnat Bharat Abhiyan	MSIT/ Dr. Sudesh Pahal	Ministry of Human Resource Development

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

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Number of students
Ph.D. Programme	Research Work	MNIT, Jaipur	17/07/2018	31/07/2019	6

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3.5.3 - MoUs signed with institutions of national, international importance, other universities, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students participated under
Osahub	14/02/2019	Summer Training / Internship Program	135

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CRITERION IV - INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

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

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure augmentation
114.9	85.2

4.1.2 - Details of augmentation in infrastructure facilities during the year

Facilities	Existence
Campus Area	Existing
Class rooms	Existing
Laboratories	Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added

4.2 - Library as a Learning Resource

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

Name of the ILMS software	Nature of automation (fully or partially)	Version	Availability
Alice for Windows (AFW) by Softlink	Fully	6.00.016	

4.2.2 - Library Services

Library Service Type	Existing		Newly Added		Total
	2018-19	2019-20	2018-19	2019-20	
e-Journals	2981	1592952	35463	1601132	38444

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

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launch of e-content
No Data Entered/Not Applicable !!!			

4.3 - IT Infrastructure

4.3.1 - Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Ava Banc

								(MC)
Existing	504	292	504	20	60	9	93	1
Added	75	75	75	2	0	0	0	1
Total	579	367	579	22	60	9	93	2

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

100 MBPS/ GBPS

4.3.3 - Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre facility
MOODLE	www.moodle.msit.in

4.4 - Maintenance of Campus Infrastructure

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

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure maintenance facilities
260.86	164.05	114.9	85.

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

Institute makes budgetary provision under different heads for maintaining and utilizing the campus infrastructure facilities. Institute assigns funds towards maintenance and repairing. The allocated funds are under the observation of various monitoring committees such as Finance committee, Repair and maintenance committee, Sports Committee, etc. committee, individual departments of the college. To maintain and utilize infrastructure facilities and equipments, following activities are undertaken by college:

- There is a Central stock register and departmental stock registers which records every item after physical verification. records of stock register are audited annually.
- Regular maintenance of Computer Laboratory equipments are done by Technical Assistant and Laboratory attendant and they are headed by lab Incharges.
- Ongoing development of campus is done by Infrastructure Committee of the college.
- Regular cleaning of water tanks, proper garbage disposal, pest control, landscaping and maintenance of lawns is the responsibility of the caretaker and associated cleaning staff.
- College campus maintenance is monitored through regular inspection.
- Upkeep all facilities and cleanliness of environment in men's and women's hostel is maintained through monitoring committee.
- Outsourcing is done for maintenance and repair of IT infrastructure such as computers, internet facilities including broadband. Updating of softwares is done by lab assistants.
- Outsourcing is done for the maintenance of wooden, furniture, electrification, and other facilities.
- Regular maintenance of the water cooler and water purifier is done by outsourcing agent.
- The maintenance of the reading room and verification of library books is done regularly by library staff.

CRITERION V - STUDENT SUPPORT AND PROGRESSION**5.1 - Student Support****5.1.1 - Scholarships and Financial Support**

	Name/Title of the scheme	Number of students
Financial Support from institution	Institutional Scholarship for meritorious students (Scholarship Accounts for 1st 2nd Topper of each class/course of MSIT A.Y. 201718)	37
Financial Support from Other Sources		
a) National	EWS	22
b) International	NIL	0

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5.1.2 - Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and etc.,

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
SoftSkills	19/08/2019	30	All India Council of Technical Education

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5.1.3 - Students benefited by guidance for competitive examinations and career counselling at institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam
2018	NA	0	267	267

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

Total grievances received	Number of grievances redressed	Avg. number of days for redressal
2	2	8

5.2 - Student Progression**5.2.1 - Details of campus placement during the year**

On campus			Off campus	
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated
ACCENTURE	488	267	Optum United	57

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

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	P a
2019	7	B.Tech	CSE	Ohio State University	M

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

Items	Number of students selected/ qualifying
GATE	23

[View File](#)

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

Activity	Level	Number of Participants
Avensis	InterCollege	2500

[View File](#)

5.3 - Student Participation and Activities

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

Year	Name of the award/medal	National/ International	Number of awards for Sports	Number of awards for Cultural	Student ID number
2018	GOLD MEDAL in Fencing at Delhi Olympic Week (Gold)	National	1	0	35815003118
2018	GOLD MEDAL in Basketball at GGSIP University Annual Sports Meet 2018-19 (Bronze)	National	1	0	35915002716
2018	BRONZE MEDAL in Badminton at GGSIP	National	1	0	41715002717

	University Annual Sports Meet 2018-19				
2018	BRONZE MEDAL in Kabaddi at GGSIP University Annual Sports Meet 2018-19	National	1	0	396307216
2018	BRONZE MEDAL in Discuss Throw at GGSIP University Annual Sports Meet 2018-19	National	1	0	696303116

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

MSIT believes that holistic growth of students is possible only when student has a platform to express themselves in their areas of interest other than academic front. We have several societies and SIGs run and managed by Student's coordinator and faculty members. Various Societies are IEEE, TechSoc, TedX MSIT, Prakriti/ NSS, Mutant. IEEE is the foremost authority of electrical and electronic engineers is a global professional association of engineers from across the world. IEEE is the foremost authority that comes to research and in any field of engineering. IEEE as a college aims on helping student derive more out of their engineering. It provides a platform to be exposed to advancements in technologies and cultivate the spirit of innovations in them. IEEE student branch carries out various programs within the college which entail technical project exhibition, summer project internships and various other such programs. Special interest groups (SIGs) wherein students educate as well as learn from their peers are encouraged and carried out by IEEE student branch. Various seminars, workshops and webinars are also conducted by the student branch. MSIT believes in holistic development and hence supports and conducts various events and SIGs as well. IEEE MSIT consists of three chapters as affinity groups these are as follows Computer society Power and Energy, Robotic and automation Society Women in Engineering TechSoc. The technical society of MSIT was formed by the amalgamation of various clubs preexistent in the college. This was done to channelize the efforts and to provide a common platform which catered to the technical needs of the students. TEDXMSIT forms a society that gathers people with innovative skillset and mind that knows no bounds. With a high heritage and a blazing future, TEDXMSIT provides the ideal platform for people who want to make a difference. The mega event that has been held for the last two years sees its third this time around and it is well on its way to surpass all the previous marks. In the last years we had several individuals who blessed our stage. PRAKRITI MSIT To emphasize and to create the consciousness and awareness towards the environment and ecology, a group of students of MSIT came together to form Prakriti The human and environmental society of MSIT. Established on 3rd March 2010 and since then the club is constantly working to make the mass youth aware of the environmental issues. Being one of the oldest societies of MSIT, Prakriti has gained a lot of appreciation and fame, not only within the boundaries of the college but also on a global level. Mutant is the cultural society of MSIT. It provides a platform to the students to explore and nurture their talent in the field of arts and culture.

dance, drama etc.

5.4 - Alumni Engagement

5.4.1 - Whether the institution has registered Alumni Association?

Yes

In the year 201819, the process of initiating registration of Alum Association of MSIT was initiated. For this purpose, various alumn contacted. Some of the alumni were keen to formulate the associati would give the passout students from various batches an opportunit interact with each other and contribute towards their alma mater. Siddharth Kukrety, (CSE, 2009 passout) put his name forward for th secretary. Mr. Kukrety runs his own company and has given job as w internship offers to MSIT students. He spearheaded the efforts to the alumni committee. Mr. Rishabh Mathur's name was proposed for t president. Many distinguished alumni like Mr. Sidhharth Sharma (II Ahmedabad passout), Ms. Priya (working in IBM), Mr. Siddharth Bagg Pragati (all working in reputed companies) joined the alumni assoc team. Meetings with alumni were conducted on 29th Sep. 2018, 3rd N 2nd Feb. 2019, 9th March 2019 and 11th May 2019 mainly to discuss alumni association formation. The alumni association was formally on 27th September 2019. Also, there were three talks that were con the session Aug. 20182019. The first talk was conducted by Nishtha who gave insights to final year students about campus drive of ION technologies. Students were informed that their aptitude skills mu strong. Ms. Taneja talked about the working atmosphere in the comp prospects etc. Since ION trading was the first company that was co campus drive many students did not have much idea about how to fac round. Ms. Taneja informed the students that in HR round interview may be based on dedication, life changing moment etc. A second tal Ms.Pragati who gave a talk about "How to prepare for higher studie third year students. Since many third year students are keen to pu higher studies in future, Ms.Pragati informed them about the vario that they can explore in India as well as abroad. She told the stu about various MBA colleges in India and what exams they should giv through the colleges. She also informed the students about M.S. op abroad, how they can apply for students' loan etc. Students were a about the colleges that have good reputation and various career pr that would be opened for them after their postgraduation. The thir by Mr. Siddharth Kukrety on "How to improve coding" for third year Since coding is a part of online test of almost all the companies, Kukrety told the students that their basic concepts should be abso clear. Students were told that they should practice various progra questions based on C, C etc. They were informed that practice ques online test of different companies is available online. Students w that they must try to make small projects from time to time so tha able to find out the solutions to a problem through coding.

5.4.2 - No. of enrolled Alumni:

1

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

5.4.4 - Meetings/activities organized by Alumni Association :

There were three talks that were conducted in the session Aug. 2018. The first talk was conducted by Nishtha Taneja who gave insights to first year students about campus drive of ION trading technologies. The second was by Ms. Pragati who gave a talk about "How to prepare for higher studies" for third year students and the third talk was by Mr. Siddharth Kukret who gave tips to improve coding". Besides this, meetings with alumni were conducted on 1st Sep. 2018, 3rd Nov. 2018, 2nd Feb. 2019, 9th March 2019 and 11th April 2019, mainly to discuss about the alumni association formation. The alumni association was formally registered on 27th September 2018.

CRITERION VI - GOVERNANCE, LEADERSHIP AND MANAGEMENT**6.1 - Institutional Vision and Leadership**

6.1.1 - Mention two practices of decentralization and participative management during the last five years (maximum 500 words)

MSIT have decentralized style of working. • For participative management, the Director, HODs, Faculty and student representatives form the members of the IQAC team. • We have flexibility at departmental level also. Class coordinator or faculty members can suggest and implement current curriculum enrichment and enhancement. Faculty members prepare their subject Lecture plan, which are upgraded every semester. Subject notes prepared by faculty are available at www.moodle.msit.in. • Every department prepares a roadmap for the upcoming semester in terms of infrastructural and academic growth. Departmental budget is prepared by taking suggestions from Department, Class Coordinator and faculty representative.

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

Partial

6.2 - Strategy Development and Deployment

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

Strategy Type	Details
Curriculum Development	Maharaja Surajmal Institute of Technology is affiliated to Guru Gobind Singh Indraprastha University, New Delhi. It follows the curriculum and syllabus prescribed by the University for all its courses. Affiliated Institutes are not allowed to design their own curriculum. Rather, they revise their syllabus every 5 to 6 years, University revise their syllabus. Senior faculty members from our college have been members of the curriculum development committee formulated by the University and have contributed to curriculum development. For every semester subject coordinators are selected from affiliated Institutes. The curriculum and lesson plans for each subject is available in Moodle. The course content can be used by respective faculty is also uploaded in Moodle and is visible to concerned student.

<p>Teaching and Learning</p>	<p>We follow a holistic approach for growth and development of students, our teaching and learning methodology includes brainstorming, presentations, quizzes, inquiry based hands on activities, case studies etc. We provide well equipped Laboratories with latest configuration hardware and original licensed software. Wide access to internet facility in labs, browsing centres and library to facilitate online learning management resources. Campus is WiFi enabled campus and provides facility for student internet as a resource in their studies. Ebook, digital facility for carrying out project works.</p>
<p>Examination and Evaluation</p>	<p>As per University rules, there is one Midterm examination to be conducted in a semester by the institution. At the end of semester End Term Examination is conducted by the University, which is a centralized process managed by the University. We at MSIT follows disciplined strategy in evaluating our students, which includes. Continuous evaluation is done through class tests, assignments and presentations.</p>
<p>Research and Development</p>	<p>Library of the Institute has subscription for online research journals and books to provide resources for the faculty members. Almost all faculty members are provided with personal computer /library helps them carry out their research work. The institute has WiFi enabled internet facilities for the fast access to online resources. The institute motivates the faculty members to attend research oriented seminars/workshops /conferences, etc., by providing special duty leave. The Institute encourages faculty members to pursue research programmes in reputed universities. The institute motivates the researchers by providing high end computing facilities with necessary software and with modern equipment. The Institute recognizes and awards faculty publications in reputed journals.</p>
<p>Library, ICT and Physical Infrastructure / Instrumentation</p>	<p>The library materials via Web OPAC library has been subscribed for online databases that can be browsed from 9 AM to 6.30 PM. Each terminal is having internet facility. Library is having reprographic facility within the institute's campus. Library is having 1 server and 10 computers Detailed list of currently subscribed journals is also uploaded on library website (printed online) and this regular email is being sent to faculty to update them with the latest information of library. CD Collection Library also maintains the CD's received along with books. The users can get them issued.</p>
<p>Human Resource Management</p>	<p>The Institute believes in motivating faculty and staff for the best outcomes. Various orientation and enrichment programmes are regularly organized for both teaching and nonteaching staff members for upgrading their skills with latest technology. Salary, payscale and increments</p>

	<p>given to staff members as per Government norms w to employee satisfaction. The management contri amount equal to the employee share for EPF with scheme and Group insurance. Institute grants M Casual, On Duty and Special Leave to its faculty And Non Teaching gets Medical, Causal and Earned per the norms of University. It also provides M Leave according to norms to its female members: provide Special Leave for pursuing higher stu attending enrichment courses/seminars/conferences and exam duties. The faculty and staff members ar to avail summer and winter vacations as per guid the University. The Institute has Biometric, CCTV for better human resource management.</p>
<p>Industry Interaction / Collaboration</p>	<p>The Institute has constituted Institute Industry better collaboration between Institute and indus cell arranges internship programmers for studen provides a unique and rare opportunity provided t to learn the theoretical concepts practically. Th are encouraged to visit top industries to provid insight on the working models and latest technolo in corporate world. Faculty members are also s industrial visits to promote research on la technologies.</p>
<p>Admission of Students</p>	<p>MSIT is an affiliated College of Guru Gobind Indraprastha University,. The admission is done t conducted by University and based on their online procedure, students are admitted to Colleges base preferences and ranks. College is allowed to a students under Management seats, which is done on of percentage in 12th examination and rank in C</p>

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

E-governance area	Details
<p>Planning and Development</p>	<p>Implemented SMS system for dissemination of info including regular notice to all Stakeholders. Se website for providing information about basic info about every department, accreditation and certifi: policies adopted and events organized by college. course management system) is used to provide appro contents to students.</p>
<p>Administration</p>	<p>Notice display system for students and other stake website. Regular display of audited balance she website. Automation software available in Lib</p>
<p>Finance and Accounts</p>	<p>Fully computerised office and accounts section. Ma the college accounts through Tally.</p>
<p>Student Admission and Support</p>	<p>Online admission is conducted by the affiliating u to Guru Gobind Singh Indraprastha University. In: related to admission, fees and other events are p:</p>

	the website. Digital records of student's are :
Examination	Digital records of students' results are maint

6.3 - Faculty Empowerment Strategies

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

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided
2018	Prof. Archana Balyan	1st international Conference on ICSPVCE2019, Signal processing, VLSI Communication Engineering	NA

[View File](#)

6.3.2 - Number of professional development / administrative training programmes organized for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)
2019	Mobile Learning Technology Impact and Inside Stories	NA	07/09/2019	07/09/2019	30

[View File](#)

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

Title of the professional development programme	Number of teachers who attended	From Date	To date
Orientation Programme for Faculty	35	14/11/2018	16/11/2018

[View File](#)

6.3.4 - Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
117	10	59	

6.3.5 - Welfare schemes for

Teaching	Non-teaching	Students
<p>Term Insurance Scheme, Group Insurance Schemes, EPF, 10 Academic Leave per year. Maternity and paternity leave are provided. The institute sponsors the research publications and registrations to academic conferences, workshops. Institute organizes workshops, FDPs, seminars and conferences. Best faculty award has been initiated comprising hefty cash prize. Cash prizes are also given for publications in SCI indexed journals. Subsidized incampus housing and subsidized meals are also provided in the hostel mess.</p>	<p>Term Insurance schemes and Group Insurance schemes, Earned Leave, EPF, Maternity leave and paternity leave are provided.</p>	<p>Students Insurance Book Bank facilities medals and cash prizes awarded to merit holders sports and academic Scholarships are also Industrial trips organized and seminars workshops, training are conducted for overall improvement campus hostel facilities quality housing are provided to student interaction with parents done to ensure a concerted effort for the welfare of students.</p>

6.4 - Financial Management and Resource Mobilization

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

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

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

Name of the non government funding agencies /individuals	Funds/ Grants received in
NIL	0
No file uploaded.	

6.4.3 - Total corpus fund generated

0

6.5 - Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	ISO / GGSIPU	Yes	HOD/ Certified ISO A the Institut
Administrative	Yes	ISO NCT Govt. of India GGSIPU	Yes	Certified ISO Audit Institute

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

- Regular Parent Teacher Meetings are held.
- Parents are cordial for Orientation Programme of their wards on their first Day of Col year.
- Parents are invited in Stakeholder's Meeting.
- Parents are for Appreciation Ceremony of Meritorious Students on Annual

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

- Seminar on Contemporary Issues and Challenges in management, Edu Information Technology
- Seminar on Mental Health Psychology: Mytl
- Seminar on Health and Nutrition Awareness

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

- Reaccreditation by NBA FOR CSE IT
- Accreditation by NBA of E Setting up Innovation Cell
- Promoting Faculty Student Entrepreneur
- Promoting research work by awarding faculty for publishing in SC: journals

6.5.5 - Internal Quality Assurance System Details

a) Submission of Data for AISHE portal

b) Participation in NIRF

c) ISO certification

d) NBA or any other quality audit

6.5.6 - Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To
2018	Faculty Lecture Series	20/11/2018	20/11/2018	11/12/2018
2018	Faculty Development Programs/ Seminars were organized to ensure the continuous learning for teachers. (Every Semester)	01/08/2018	08/09/2018	07/09/2019
2019	Academic Calendar for the session was more holistic in approach (Every Semester)	07/01/2019	07/01/2019	31/05/2019

CRITERION VII - INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

7.1.1 - Gender Equity (Number of gender equity promotion programmes organized by the inst the year)

Title of the programme	Period from	Period To	Number of Female
Safety of Women and Children	15/05/2018	15/05/2018	50

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

Percentage of power requirement of the University met by the renewable energy Solar thermal water heater

7.1.3 - Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of benefi
Physical facilities	Yes	4
Provision for lift	Yes	4
Ramp/Rails	Yes	4
Rest Rooms	Yes	4
Scribes for examination	Yes	4

7.1.4 - Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed
2019	0	1	14/02/2019	1	BLOOD DONATION CAMP	Donating blood can save someone's life
2019	0	1	13/09/2019	1	Fruit Donation Drive	To promote the importance of nutrition in our daily lives and create awareness that it is not something that can be neglected. Over the span of oneweek

						different locations around Janak Puri, New Delhi were covered, to interact with different people.
2019	1	1	30/08/2019	1	Plantation Drive	Plantation plays an important role in maintaining the balance in nature. It has a great impact on the environment by reducing incidences of global warming.
2019	1	1	01/02/2019	1	Road Safety Awareness	To promote the importance of road safety.

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

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

7.1.6 - Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
FDP/Seminar	05/02/2019	09/02/2019	110

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

• Participation in Swachh Bharat Abhiyan • Plastic Free Campus • 100% Green Campus • Regular Plantation Drives • Use of Solar Panel as alternative source of energy • Rain water harvesting

7.2 - Best Practices

7.2.1 - Describe at least two institutional best practices

Title of the Best Practices ISO 9001:2015
Objective of the Practice The objective of the practice is to help the organization to organize its processes, improve the efficiency of processes and continually improve the processes. MSIT has adopted ISO 9001:2015 as a quality management system which helps the organization to organize its processes, improve the efficiency of processes and continually improve the processes. MSIT has adopted ISO 9001:2015 as a quality management system which helps the organization to organize its processes, improve the efficiency of processes and continually improve the processes.

international quality standard in order to demonstrate its ability to consistently provide educational services that meet customers' and statutory and regulatory requirements. The institute effectively implements this quality system which enhances customer satisfaction and improves various processes for continual improvement of the system. 3. The Institute In ISO, every year two internal audits are conducted, one in each semester. These internal audits take care that all the processes are smooth and running in the institute and if there are certain issues regarding the conduct of these processes the process owners are given time by the institute to resolve the issues and a management review meeting is held after each internal audit to review the findings of the internal audits. Even after one external audit known as surveillance audit is also conducted by an external agency providing the certification. 4. Evidence of Success - The quality system is perfectly implemented every year. All the records of internal audits and MOM's of management review meeting are maintained by the Quality System Coordinator (QSC). 5. Problems Encountered and Resources Required - There is no major problem encountered in implementing the ISO system. But the system requires lot of documentation which sometimes becomes a burden to maintain. As the ISO system covers the entire institute, the main resource at the institute is the main resource which includes faculty, student, staff, administration and top management. 2. Title of the Best Practices - Online Learning Management System. 1. Objective of the Practice - To provide an opportunity to the students to access the resources directly through a central space on the internet. - The Institute affiliated to Guru Gobind Singh Indraprastha University provides technical education to thousands of students and it is essential for the Institute to cater the requirement of availability of learning material for every student. To ensure this a central space on the internet is essential where students and staff can access a set of tools and resources anytime anywhere. Moodle is education software that enables teachers to create and deliver effective online learning environments. This provides an opportunity to the students to access the resources directly through a central space on the internet which is useful for them. 2. The Practice - Moodle provides a place where teachers can easily create web pages with information about a particular course and provide links to word documents, slides, and other resources that students will want to access. The faculty uploads the relevant materials/ presentations/videos related to their upcoming lectures. This gives the students an insight about the topics to be discussed in the lecture and assist them in learning the prerequisites essential for the concerned topic. The teachers provide online assignments and quiz which can be accessed by the students and saves effort for everyone in terms of photocopying, distribution etc. The feedback of each course is evaluated through this tool which makes it a complete teaching and learning package. 3. Evidence of Success - The use of Moodle encourages collaborative learning. This platform enables students and teachers to access the learning materials everywhere. The teachers can use filters to categorize the learning materials depending on the type of students. The success of Moodle has enhanced the teaching learning procedure of the Institute. This is evident from the rise in the academic interest of every student and improvement in their examination results. 4. Problems Encountered and Resources Required - a. Requirement of internet to access the learning portal. b. Requirement of dedicated personnel for overall effective maintenance of the course management system. c. 3. Title of the

Practices -Cultural and Technical society- Platform for Techni
 personal Development Objective of the Practice -The Context - M
 Surajmal Institute of Technology promotes quality and artistic re
 students, to experience cultural and participation in educational
 These activities are an integral part of all round development
 students. Students from various institutes in and around Delhi pa
 to showcase their talents and skills besides, in this hightech w
 student wants to acquire knowledge in every field stay updated.
 features of this society are: [FO] To create awareness about the late
 [FO] To encourage those students who have shown excellence in acad
 Promoting public awareness of the long reaching effects of engin
 Energizing the abilities [FO] Enhancing the personal of every indivi
 advance global prosperity The Practice - There are various techn
 cultural societies wherein series of activities throughout the ;
 undertaken. The purpose is to generate interest and inculcate cert
 and skills which students otherwise are unable to learn such as -l
 team work, communication, organizing, creativity etc. Various soci
 Technocratz [FO] IEEE and Chapters [FO] Mutant [FO] Prakriti [FO] Rotract C.
 societies are managed by student representatives under the guidan
 faculty incharge. Apart from these societies annual event Tedx is
 popularity as it welcomes world renowned personalities from globa
 On a regular basis, activities under these societies are conducte
 students. Annual techno cultural festival like Genesis and Tech:
 organised yearly wherein the students from various colleges
 participated. Evidence of Success - We have a substantial body of
 showing the correlation between higher engagement and higher per:
 The positive impact of these activities is reflected in good plac
 after year. The recruiters have given positive feedback about
 activities. As a result of these activities and students partici
 them, the learning capabilities of students have gone up which
 reflected in examination results, their overall satisfaction and
 in different organizations. Problems Encountered and Resources Req
 Less time available with students for participation. 1. Title of
 Practices ISO 90012015 2. Objective of the Practice -The Conte
 90012015 is a quality management system which helps an organiza
 organize its processes, improve the efficiency of its process
 continually improve the processes. MSIT has adopted this intern
 quality standard in order to demonstrate its ability to consistent
 educational services that meet customers' applicable statutor
 regulatory requirements. The institute effectively implements thi
 system which enhances customer satisfaction and implements various
 for continual improvement of the system. 3.The Practice - In ISO,
 two internal audits are conducted, one in each semester. These :
 audits take care that all the processes are smoothly running :
 institute and if there are certain issues regarding the smooth c
 these processes the process owners are given time by the auditors
 the issues and a management review meeting is held after each inte
 to review the findings of the internal audits. Every year, one c
 audit known as surveillance audit is also conducted by the extern
 providing the certification. 4. Evidence of Success - This quality
 perfectly implemented every year. All the records of internal au

MOM's of management review meeting are maintained with Quality Coordinator (QSC). 5. Problems Encountered and Resources Required

no major problem encountered in implementing the system. But the requires lot of documentation which sometimes become tedious to ma the ISO system covers the entire institute, the man power of the is the main resource which includes faculty, students, administr top management.

2. Title of the Best Practices - Moodle - Online Management System.

1. Objective of the Practice - The Context - The affiliated to Guru Gobind Singh Indraprastha University provides education to thousands of students and it is essential for the In cater the requirement of availability of learning material for student. To ensure this a central space on the web is essential students and staff can access a set of tools and resources anytime Moodle is education software that enables teachers to create and effective online learning environments. This provides an opportun students to access the resources directly those are most useful fo

The Practice - Moodle provides a place where one can easily create with information about a particular course and provide links to documents, slides, and other resources that the students will access. The faculty uploads the relevant course materials presentations/videos related to their upcoming lecture which gi students an insight about the topics to be discussed in the lect assist them in learning the prerequisites essential for the concer

The teachers provide online assignments and quizzes which can be a the students and saves effort for everyone involved in term photocopying, distribution etc. The feedback of each course is e through this tool which makes it a complete teaching learning pa

Evidence of Success - The use of Moodle encourages collaborative This platform enables students and teachers to access the course everywhere. The teachers can use

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

www.msit.in

7.3 - Institutional Distinctiveness

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

This AICTE approved Institute under GGSIP University is ideally 1 the Institutional area of Janakpuri, New Delhi. It has a campus s eight acres of land with beautiful ecofriendly surroundings. Inst earlier operating from four storey building of 6279 sq.m of built Recently it has been shifted to a more spacious seven storeyed bui built up area of 9660 sq.m The institute has over a short span acquired and developed impressive infrastructure, expertise and for imparting high quality engineering education. The institute r shifts First/Morning shift and Second/Evening shift providing Ba Technology in CSE, IT, ECE and EEE streams. Teaching Methodolo institute has a wellqualified and experienced faculty. The most co teaching methodology at MSIT provides ample opportunity for stu develop into all round professionals by keeping abreast of the eve

technologies. The Institute aims to achieve and excel the high standards by premiere technical institutions of the country. The traditional teaching is supplemented by regular tests, tutorials, group discussions, extensive lab work, projects, seminars and industrial exposure through industry visits and summer training. Eminent academicians and professors are invited as visiting faculty to teach and 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 area. The classroom atmosphere is synergistic with interactive and participative sessions. This makes learning proactive and instills in students a sense of team spirit, responsibility and professional ethics. It helps in building a healthy student-faculty bond, which develops students to their fullest potential and harnesses the best in the teaching staff. **Infrastructure** The infrastructure consists of well-lit lecture halls, well-furnished labs, seminar halls, staff rooms, a large size playground and the fresh students there are well equipped labs for 'Applied Science', 'Applied Mechanics' and 'Electrical Engg. Lab' in addition to the well-established 'Workshop' and a well-lit 'Drawing Hall'. The six air-conditioned networked computer labs cover entire range of Computer Science IT subjects like Software Engg., Network Technology, Internet Computing, Artificial Intelligence Robotics, Computer Graphics, CAD, Construction, Analysis Design of Algorithms, Interface Programming, Database Structure, DBMS Object Oriented Programming. All labs have licenses for software such as Visual Studio, .Net 2003, Auto Cad 2004, MS Office Professional 2003, Oracle 9i, TASM, Orcad, Windows XP. The software is updated and upgraded frequently as per the requirements and demands of the times. High speed, around-the-clock internet access using a radio link is also available. Students are offered real software projects relating to current industry requirements to facilitate smooth transition from academic to industrial environment. The Electronics Comm. Engg. Department has modern laboratories covering all the important subjects eg. A. Electronics Lab, Control Engg. Lab, Microwave Devices lab, DIP, VLSI lab. Faculty is supported by a well-trained technical staff. A full-fledged power supply is available for the campus round the clock.

Provide the weblink of the institution

www.msit.in

8.Future Plans of Actions for Next Academic Year

Maharaja Surajmal Institute of Technology is one of the leading Technical Institute in northern India. The Institute focuses on the becoming an admired center of academic excellence in the field of Engineering and Technology. To realize this objective we are focusing on holistic development of students. To ensure overall growth of students, we plan the following things to be executed in future: 1. Enhancing academic excellence: Faculty members are encouraged to participate in FDPs, Industrial visits etc. The Institute will promote further use of modern technology and tools to effectively deliver lectures to benefit students and enhance academic excellence. The Institute is organizing an International Conference on Artificial Intelligence and Applications (February, 2020) which will provide an international forum for the presentation of original research findings, as well as exchange and

dissemination of innovative, practical development experiences in different fields of engineering. This conference was conceived after analysing the critical requirements and applications based on Artificial Neural Networks, Fuzzy systems, Computational Optimization technologies and Machine Learning. The aim of this conference is to promote translation of basic research into applied investigation and convert applied investigation into practical. This conference will also create awareness about the importance of basic scientific research in different fields matching with the current trends. The conference will provide the flavour of keynote lectures by eminent experts from different areas panel discussion by industry people. 2. PrePlacement Activities/Mock interviews: We are planning to conduct more number of preplacement activities/ mock interviews for the final year students in all departments by external agencies, alumni and placement coordinators (with industry representatives), so as to help them become industry ready. This is initiated on basis of feedback received from various stakeholders. 3. Alumni Association: Our Alumni Association has been registered. Currently more than one thousand alumni are regularly in touch with the institution, contributing towards making the institute a centre for excellence. Alumni have been actively helping in internship and placement. The Institute will be emphasizing more on actively working with the alumni association for creating internship and placement opportunities. 4. Clean Green Campus: The Institute is focussed on providing a clean and green campus to the students. The Institute has taken essential steps for making the campus plastic and smoke free. The Institute is further planning necessary steps like installation of solar to alternate energy sources, water conservation etc. 5. Social Activities: The Institute aims at serving the society in a bigger way with the help of students in future. The societies like Prakriti/NSS can organize various philanthropic events like blood donation camps, plantation drives etc. and students can even take up projects (under different schemes like UJALA) providing beneficent services to the society.