Criterion VII – Institutional Values and Best Practices

Metric N	Key Indicator - 7.1 Institutional Values and Social Responsibilities
	Gender Equity
7.1.1 QIM	Measures initiated by the institution for the promotion of gender equity during the year: Highlight the curricular and co- and extra-curricular activities promoting gender equity and sensitization and the facilities available for women on campus (within a maximum of 200 words).
	Response:
	The institute is proactively taking efforts in providing an inclusive environment. Being the top engineering institute of state, the main aim is to promote student achievements and preparation for global competitiveness by fostering educational excellence and ensuring equal access. The initiatives are to promote better education, economic upliftment of the under privileged students, and set communal harmony between them.
	Institute's NSS wing conducts various Nukkad Natak and lectures in the villages for increasing their environmental and ethical awareness. Institute has organized health checkup camps and blood donation camps for students and staff. The extension activities are targeted towards enabling a holistic environment for student development. Institute is always engaged for sensitizing students to the cultural, regional, linguistic, communal, and socio-economic diversities of the state and the nation. The Institute celebrates cultural and technical festival Aayam, Engineers' Day, Singing Programs, Nukkad Natak etc. to teach tolerance and harmony to the students.
	The Gender Equality Policy focuses on equal access, opportunities, and rights for males and females. Policy for the differently abled ensures that every single member of the department/Institute should be empathetic to them. By providing a barrier-free environment, needed facilities, and human and technological assistance, the department takes continuous efforts to make the differently-abled feel included in every part of the activity of the institute. The institute, during its Induction Program arranged lectures on Universal Human Values. Which includes the topics related to human rights, peace, tolerance, love, compassion, harmony, promotion of social values, awareness of environmental protection, and ethics.
	An inclusive environment on campus contributes to making our Institute a safe, enjoyable and productive place for everyone, and can enhance our interactions with the community outside campus.
	File Description
	 Upload any additional information Paste link for additional Information <u>View Document</u>

	Environmental Consciousness and Sustainability	
7.1.2	The Institution has facilities for alternate sources of en	nergy and energy conservation
Q _n M	 Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power-efficient equipment Options: Any 4 or All of the above Any 3 of the above Any 2 of the above Any 1 of the above None of the above 	
	Response:	
	A. Any 4 or All of the above	
	List of Documents	
	1. Permission document for connecting to the grid from the Government/ Electricity authority	View Document
	2. Geo-tagged photo graphs of the facilities	View Document
	3. Bills for the purchase of equipments for the facilities created under this metric	View Document
	Note: Data template is not applicable to this metr	ric.
7.1.3 Q ₁ M	Describe the facilities in the institution for the manage degradable and non-degradable waste (within a maximal Solid waste management Liquid waste management Biomedical waste management E-waste management Hazardous chemicals and radioactive waste management Waste recycling system	num of 200 words):
	Response: Shri G. S. Institute of Technology and Science believe in campus clean". The College practices the concept of 3 vall activities, to protect the environment.	

1. SOLID WASTE MANAGEMENT:

The waste is generated from following sources due to a wide range of routine activities like Wrappers, Papers, Food-left over used papers and Workshop crap, etc, Disposal & treatment of this waste Wet organic waste – Hostel & Canteen waste: On a daily basis, approximately 70 Kg of wet organic waste is generated, which makes approximately 35 to 40 Kg of compost from composter machine. Compost of wet organic waste is used as organic manure in the institute for various trees, plants. Dry Organic Waste For the composting process, dry organic waste is systematically stored in rectangular boundaries of metal sheets, after that black cotton soil is spread over the top surface area of dry organic waste with spray of sanitreat for ease of composting process in only monsoon season. The composting process takes around 6 months for making final compost Other regular waste Regular waste generated from the campus is segregated into dry & wet waste, which is collected by Indore Municipal Corporation waste collection vehicles (Tippers). Construction & demolition waste C & D waste i.e. concrete (blocks, cylinders, beams) which is casted by students from Civil Engineering & Applied Mechanics Department for research & testing purpose is given to construction & demolition waste management unit of Indore Municipal Corporation for recycling.

2. LIQUID WASTE MANAGEMENT

A 60 kLDSTP plant is operational behind the boy's hostel and treated water is used for gardening and flushing purposes

3. BIOMEDICAL WASTE MANAGEMENT

The common biomedical dry waste generated from the biomedical laboratories and dispensary is collected by the IMC waste collection vehicle in the dry waste section. Contaminated waste such as cotton and swabs is deposited in the hazardous waste black box located at the back of the vehicle (tipper)

4. E WASTE MANAGEMENT

E-waste cell collects defective electrical & electronic equipment and 15-20 years old equipment as E waste and disposes through tendering process for recycling of E-Waste. Our E- waste recovery practices result in around 2.5% recovery of E-waste.

5. WASTE RECYCLING SYSTEM

- 1. Liquid waste Treated wastewater is used for gardening & flushing purposes.
- 2. Solid waste Compost made from dry & wet waste used as a fertilizer for trees, plants.
- 3. E- waste: Around 2.5 % of E waste is recycled

6. HAZARDOUS AND RADIOACTIVE WASTE

The hazardous chemical waste i.e. acid waste (Hydrochloric acid & sulphuric acid) generated from the Chemistry department is treated by neutralization by adding calcium hydroxide & calcium carbonate, which forms calcium sulphate which is used in various experiments & research work. Any kind of radioactive waste is not generated in the institute.

File Description Document	Weblink
Any other relevant information View Document	View Document
Geo-tagged photographs of the facilities View Document	View Document

	Relevant documents like agreements/MoUs Government and other approved agencies	with	<u>View Document</u>	
7.1.4 Q _n M	Water conservation facilities available in the 1. Rainwater harvesting 2. Borewell /Open well recharge 3. Construction of tanks and bunds 4. Waste water recycling 5. Maintenance of water bodies and district Options: A. Any 4 or All of the above B. Any 3 of the above C. Any 2 of the above D. Any 1 of the above E. None of the above Response: A. Any 4 or more of the above			
	File Description Document		Weblink	
	Green audit reports on water conservation by recognised bodies	View Doo	<u>cument</u>	
	Geo-tagged photographs of the facilities	View Document		
	Bills for the purchase of equipment's for the facilities created under this metric	View Document		
	Provide Links for any other relevant document to support the claim (if any)			
	Note: Data template is not applicable to this metric.			
7.1.5 Q _n M	7.1.5.1. The institutional initiatives for greeni 1. Restricted entry of automobile 2. Use of bicycles/ Battery-powe 3. Pedestrian-friendly pathways 4. Ban on use of plastic 5. Landscaping	es .		
	Response: A. Any 4 or All of the above			
	The institute believes in "Let's go green and lon being close to the nature and making the cfriendly. The campus extends over 30 acres o zone and serene atmosphere perfectly suited to	ampus poll f land in a s	ution free and environmental spacious, noise free, clean, green	

NAAC for Quality and Excellence in Higher Education

are restrictions on the use of automobiles in both the academic and administrative areas. This measure aims to reduce the emission of harmful gases to promote the use of bicycles and battery-operated vehicles.

There are 3 bicycles for supervisors that are battery operated. There is ban on use of plastic bags in the campus.

The college runs a campaign named "1 seed 1 tree". In the campaign, 20000 seed balls are donated every year. The seed balls are collected from the institute nursery itself. For landscaping purposes, the campus is planted with approximately 50,000 to 60,000 plants.

Due to the campus's proximity to the VIP road, special measures were taken during tree plantation to minimize vibration impact. The campus road is separated from common roads with the help of paver blocks. To keep the roads of the campus clean, battery operated road sweeping machine is used.

The dry leaves are being collected and being composted. For collection of waste throughout the campus 6 numbers of tricycles are being used. The tricycles are designed and developed by the students of Mechanical Engineering Department. Different old buildings in the campus are being renovated and used for various purposes such as Nature club office and are named in a distinct manner.

Under a project, a Miyawaki forest has been established on 1 acre of land within the institute campus. In this initiative, 8000 plants, primarily consisting of native species not commonly found, have been planted.

File Description	Document
Policy document on the green campus/plastic free campus Document	View Document
Geo-tagged photographs/videos of the facilities	<u>View Document</u>
Circulars and report of activities for the implementation of the initiatives .	View Document
Provide Links for any other relevant document to support the claim (if any)	

Note: Data template is not applicable to this metric.

7.1.6 Quality audits on environment and energy undertaken by the institution:

7.1.6.1. The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following:

1.Green audit

OnM

- 2. Energy audit3. Environment audit
- 4. Clean and green campus recognitions/awards
- 5. Beyond the campus environmental promotional activities

Options:

- A. Any 4 or all of the above
- B. Any 3 of the above

\mathbf{C}	Any	2	of	the	ล	ho	ve
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D. Any 1 of the above

E. None of the above

Response: Any 4 or All of the above

File Description:	Document
 Reports on environment and energy audits submitted by the auditing agency 	view document
Certification by the auditing agency	view document
Certificates of the awards received	view document
Any other relevant information	view document

7.1.7 The Institution has a Divyangjan-friendly and barrier-free environment:

- 1. Ramps/lifts for easy access to classrooms and centres
- **Q**_n**M** 2. **Divvangjan** -friendly washrooms
 - 3. Signage including tactile path lights, display boards and signposts
 - 4. Assistive technology and facilities for persons with *Divyangjan* accessible website, screen-reading software, mechanized equipment, etc.
 - 5. Provision for enquiry and information: Human assistance, reader, scribe, soft copies of reading materials, screen reading, etc.

Options:

- A. Any 4 or all of the above
- B. Any 3 of the above
- C. Any 2 of the above
- D. Any 1of the above
- E. None of the above

Response:

A. Any 4 or all of the above

For individuals with disabilities, the institute provides lifts and ramps to ensure easy access to classrooms. There are three lifts in the college and Ramps are also available in the campus Software based assistive technology is available for the persons with disabilities to access the website/library, like Screen reading software, reader, soft copy of e-books etc.

Washrooms, parking facilities and display boards for the disabled persons are proposed in the campus A proposal is submitted to the Department of Empowerment of Persons with Disabilities under the "Accessible India Campaign (Sugamaya Bharat Abhiyan" scheme for achieving universal accessibility for persons with disabilities in all walks of life.

File Description:

Geotagged photographs / View D videos of facilities	<u>Oocument</u>
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Inclusion and Situatedness 7.1.8 Describe the Institutional efforts/initiatives in providing an inclusive environment i.e. tolerance and harmony towards cultural, regional, linguistic, communal, socio-economic and other diversities (within a maximum of 200 words). O_1M Response: The institute is proactively taking efforts in providing an inclusive environment. Being the top engineering institute of state, the main aim is to promote student achievements and preparation for global competitiveness by fostering educational excellence and ensuring equal access. The initiatives are to promote better education, economic upliftment of the under privileged students, and set communal harmony between them. Institute's NSS wing conducts various Nukkad Natak and lectures in the villages for increasing their environmental and ethical awareness. Institute has organized health checkup camps and blood donation camps for students and staff. The extension activities are targeted towards enabling a holistic environment for student development. Institute is always engaged for sensitizing students to the cultural, regional, linguistic, communal, and socio- economic diversities of the state and the nation. The Institute celebrates cultural and technical festival Aayam, Engineers' Day, Singing Programs, Nukkad Natak etc. to teach tolerance and harmony to the students. The Gender Equality Policy focuses on equal access, opportunities, and rights for males and females. Policy for the differently abled ensures that every single member of the department/Institute should be empathetic to them. By providing a barrier-free environment, needed facilities, and human and technological assistance, the department takes continuous efforts to make the differently-abled feel included in every part of the activity of the institute. The institute, during its Induction Program arranged lectures on Universal Human Values. Which includes the topics related to human rights, peace, tolerance, love, compassion, harmony, promotion of social values, awareness of environmental protection, and ethics. An inclusive environment on campus contributes to making our Institute a safe, enjoyable and productive place for everyone, and can enhance our interactions with the community outside campus. File Description: Supporting documents on the View document information provided (as reflected

in the administrative and academic

activities of the Institution)

Human Values and Professional Ethics 7.1.9 Sensitization of students and employees of the institution to constitutional obligations: values, rights, duties and responsibilities of citizens: Describe the various activities of the institution for inculcating values for becoming $\mathbf{Q_{l}M}$ responsible citizens as reflected in the Constitution of India (within a maximum of 200 words). Response: A. Academic Scheme: The institute ensures the sensitisation of the students and faculties to the Constitutional Obligations through following: a. It offers the two-credit mandatory course Values Humanities and Professional ethics in all B Tech programmes. That is also run in tutorial mode. In the beginning an orientation programme is conducted to make students aware of subject matter, CO-PO and objectives of the course. Tutorial activities through pedagogical tools, such as case studies, extempore, group discussion, Quizes, MST, assignments etc. are done to inculcating values for being responsible citizens. **b**. The institute has established NCC and NSS units for the purpose of sensitising the students and faculties about social service, rural problems, civic duties, discipline c. The institute has established NCC and NSS units for the purpose of complementing its academic courses and sensitising the students and faculties about social service. rural problems, civic duties, discipline etc. B. NCC activities: NCC regularly conducts its annual activities in the domain of socio-political awareness and its core activities being NCC. These activities include Road Safet &Anti Tobacco Day, Blood Donation, Air force camp, Swaccha Bharat, Republic Day Parade, Independence Day celebration, Youtube series on "Making of Constitution", Webinar on National education policy, Cleanliness and plantation drive, Webinar on "World water day", Plantation drive on "World environment day", International Yoga Day celebration a. Report 2021-22 https://www.sgsits.ac.in/files/downloads/Annual Report Session 2021-22 compressed.pd b. **Report 2021-22** https://www.sgsits.ac.in/files/downloads/NCC_REPORT_FINAL_2021.pdf c. Report 2022-23 https://www.sgsits.ac.in/files/NCC/NCC Annual Report 2022-23 c.pdf d. **Report 2023-24** https://www.sgsits.ac.in/files/NCC/NCC Annual Report 2023-24 cc.pdf

C. NSS activities:

- a. Regular Activities: Plantation, Blood donation, health and hygiene moves, environment awareness, traffic awareness, child education, youth club activities, pared, drill, yoga, civic awareness about government schemes,
- b. One Day Camps (ODCs): Two ODC are organized at the adopted village in an year to make student aware of village life and rural problems. The students did a social survey to understand the rural livelihood.
- c. Seven Day Residential Camp (SDC): One SDC is organized in each year for giving the practical exposure of rural life, social work and labour work for the NSS volunteers.

File document	Weblink
Details of activities that inculcate values necessary to transform students into responsible citizens	View document

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

 Q_nM

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

Options:

- A. All of the above
- B. Any 3 of the above
- C. Any 2 of the above
- D. Any 1 of the above
- E. None of the above

Response:

A. All of the above

File description	Weblink
Code of conduct and professional ethics (Policy document)	<u>view document</u>

Metric	Key Indicator - 7.2 Best Practices
No.	
7.2.1	Provide the weblink on the Institutional website regarding the Best practices as per
	the prescribed format of NAAC:
$\mathbf{Q_l}\mathbf{M}$	

Response:

1st Best Practice: GREEN CAMPUS INITIATIVE (The Miyawaki Way)

Shri Govindram Seksaria Institute of Technology and Science (SGSITS) in Indore, India, is a distinguished university that has continuously sought to offer top-notch instruction while also promoting an environmentally conscious and sustainable campus environment. SGSITS has expressed interest in implementing sustainable practices and green technology as part of its larger environmental initiatives, such as the establishment of a Miyawaki forest or other green projects on campus. These programs are in line with the growing global focus on preserving the environment, reducing the effects of climate change, and fostering biodiversity in urban areas. The Miyawaki method, created by Japanese botanist Akira Miyawaki, focuses on planting native species closely together in order to quickly create thick, biodiverse forests. This method, together with other green initiatives, has the potential to significantly improve SGSITS's sustainability and greenness while also advancing more general environmental objectives.

Ist Best Practice (GREEN CAMPUS
INITIATIVE (The Miyawaki Way))

View document

2nd Best Practice: GS-Ecofriendly Cost Effective House Cleaning products

The growing demand for effective and affordable disinfectants/house cleaning products has highlighted the need for innovative and sustainable solutions that address both economic and environmental concerns. In response to this, the Applied Chemistry Department of SGSITS, Indore is undertaking a significant initiative to develop cost-effective, largescale production methods for house cleaning products such as phenyl and Toilet cleaner. These commonly used cleaning agents are essential for maintaining hygiene in various settings, from households to institutions; however, their high costs and packaging waste have posed financial and environmental challenges. This project aims to formulate and produce these disinfectants on a college scale, utilizing locally sourced, cost-efficient raw materials. The goal is to save lakhs of rupees annually by reducing dependency on commercial suppliers while simultaneously minimizing plastic waste generated through packaging. Through the strategic application of chemical synthesis and sustainable production processes, this initiative will create an innovative model for self-reliance, environmental responsibility, and economic efficiency. By undertaking this endeavour, the Chemistry Department aspires not only to foster research and innovation but also to contribute to practical, real-world solutions. The success of this project will demonstrate how academic institutions can address global challenges by implementing resourceful environmentally conscious strategies

2nd Best Practice (GS-Ecofriendly Cost Effective House Cleaning products)

View document

Note:

Format for Presentation of Best Practices (Institution should submit the Best Practices in this format only)

1. Title of the Practice

This title should capture the keywords that describe the practice.

2. Objectives of the Practice

What are the objectives / intended outcomes of this "best practice" and what are the underlying principles or concepts of this practice? (in about 20 words)

3. The Context

What were the contextual features or challenging issues that needed to be addressed in designing and implementing this practice? (in about 30 words)

4. The Practice

Describe the best practice and its uniqueness in the context of India higher education. What were the constraints / limitations, if any, faced? (in about 50 words)

5. Evidence of Success

Provide evidence of success such as performance against targets and benchmarks, review/results. What do these results indicate? Describe in about 40 words.

6. Problems Encountered and Resources Required

Please identify the problems encountered and resources required to implement the practice (in about 30 words).

7. Notes (Optional)

Please add any other information that may be relevant for adopting/ implementing the Best Practice in other institutions (in about 30 words).

Any other information regarding Institutional Values and Best Practices which the institution would like to include

Motrio	Voy Indicator 72 Institu	tional Distinctiveness	
Metric No.	Key Indicator - 7.3 Institutional Distinctiveness		
7.3.1	Highlight the performance of the institution in an area distinct to its priority and thrust (within a maximum of 200 words):		
Q_lM			
	Response:		
	Response: The institute has systematically built an ecosystem for innovation, startups, an entrepreneurship, which is indeed one of the major areas distinctive to priority & thrust. In the ecosystem, the institute has Centre for Innovation, Design and Incubation (CIDI) SGSITS Incubation Forum (SIF), Institute Innovation Council (IIC), E-cell, Startup cell IPR Cell, Idea Lab, Industry Institute Partnership Cell (IIPC) and departmental facilities SIF is a section 8 company incorporated on 11/12/2019 with an objective to create vibrant ecosystem to foster technology incubation and entrepreneurship. It has received 12A & 80G certificate for tax exemption and CSR registration. The incubator is supported by NIDHI— iTBI under DST. SIF targets to focus on the relevant technology domains to develop an ecosystem for entire region. SIF offers training & education, mentoring, seed funding, investors connect, and network with other incubators and technology institutions Industry connects, business advisory and services like legal, tax, technical advisory. In addition, SIF is also a partner incubator under Startup India Seed Fund Scheme of DPID for financial support to startups. Around 45 startups have been supported so far. The CIDI works as the central facility to support students for the cause of innovation entrepreneurship and incubation. An integrated environment has been created to facilitate innovators and incubates. It works in close association with MSME-DI (Govt. of India) incubators in the surrounding ecosystem, nearby industry associations and alumni. Idea lal is a platform where innovator can develop his/her prototype at one place. It conducts a platform where innovator can develop his/her prototype at one place. It conducts a platform where innovator can develop his/her prototype at one place. It conducts a platform where innovation council (MIC). The Entrepreneurship Cell (E-Cell) conducts by IIC are in line with the directives and instructions as framed by the Ministry of Education's Innovation Council (MIC)		
	helps students to convert their ideas and efforts in start-ups.		
	Appropriate link in the institutional website	click here click here	

Shri G S Institute of Technology & Science Indore

Declaration by the Criteria Committee

We certify that the data included in this Criteria # 67 report of 2023-24 assessment year are correct to the best of our knowledge.

Name and Signature of members of Criteria Committee

1.	Prob. G. Makar Rs
2.	DR. NITISH GUPTA Nishguphs.
3.	Dr. GIREESH SONI Avrese
	ER. VIVEN PIWARI

To Chairman IQAC /Coordinator