



QUESTIONNAIRE FOR
AICTE CLEAN AND SMART CAMPUS AWARD 2020

Sr. No.	Sub Part	Questionnaire
1.	A	<p>Is the segregation & measurement of different types of solid waste generated on campus being done?</p> <p>a. YES. SEGREGATION & MEASUREMENT FOR EACH TYPE OF SOLID WASTE IS UNDERTAKEN.</p> <p>b. PARTIAL. NO SEGREGATION, BUT TOTAL SOLID WASTE GENERATED IS BEING MEASURED.</p> <p>c. NO. NO SEGREGATION/ MEASUREMENT UNDERTAKEN.</p>
	B	<p>If the answer to 1.A is YES/PARTIAL, kindly provide the data in the enclosed format attached.(Format is enclosed in the mail) (To be arrived at from recorded data of last year)</p>
2.	A	<p>Does the institute have a dedicated staff for waste collection or disposal?</p> <p>a. NO</p> <p>b. YES</p>
	B	<p>Does the institute segregate its solid waste at the source of the generation?</p> <p>a. NO</p> <p>b. YES</p>
	C	<p>What in-house disposal facilities are used by the institute to dispose off the solid waste:</p> <p>a. NONE</p> <p>b. COMPOSTING UNIT</p> <p>c. BIOGAS PLANT</p> <p>d. BIO METHYLATION PLANT</p> <p>e. ORGANIC WASTE CONVERTER</p> <p>f. INCINERATORS</p> <p>g. SANITARY LANDFILLS</p> <p>h. OTHERS - PLEASE SPECIFY</p>
	<u>D</u>	<p>Does your institution recognize the services for cleanliness of the campus by Sweeping/Cleaning staff?</p> <p>a. No</p> <p>b. YES</p>



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3.		<p>In case an in-house solid waste disposal facility is not available, then select the external agencies used by the institute to dispose off the solid waste:</p> <p>a. MUNICIPAL CORPORATION b. PRIVATE CONTRACTOR c. OTHERS - PLEASE SPECIFY</p> <p>_____</p> <p>_____</p>
4.	A	<p>Does the institute have any green club/sustainability cell?</p> <p>a. NO b. YES</p>
	B	<p>If the answer to 4. A is YES, then provide the details of date of establishment, list of activities done, no. of Students/Faculty involved. Also, provide the documents/ Photographs wherever applicable.</p> <p>(Upload pdf of max size 1 mb)</p>
5.		<p>How does the campus waste/sewage/effluent disposal system function?</p> <p>a. NO SEPARATION OF DISCHARGE. THE DISPOSAL IS COMMON. b. SYSTEM SEPARATES GREY AND BLACK WATER</p>
6.		<p>Does the institute recycle waste water?</p> <p>a. NO b. YES</p>
7.		<p>How does the institute use recycled water?</p> <p>a. DUAL PLUMBING - FLUSHING b. GARDENING/ ARBORICULTURE c. VEHICLE WASHING (VEHICLES INCLUDE INSTITUTE CARS, BUSES AND SO ON) d. OTHERS - PLEASE SPECIFY</p>
8.		<p>What percentage of Wastewater recycling is being undertaken on the campus?</p> <p>a. NONE b. UPTO 25% c. 25% - 40% d. ABOVE 40% e. MORE THAN 60 %</p>
9.	A	<p>Does the institute use water-efficient appliances on the campus (e.g., using sensors/automated handwashing taps, high efficient toilet flush, etc)?</p> <p>a. NO b. YES</p>
	B	<p>If yes, please mention the types of appliances and procedure used for water conservation which invariable used with Traditional and Indian Knowledge Systems aspects(IKS):</p> <p>----- NOT MORE THAN 200 WORDS -----</p>

10.	A	<p>Whether the institute conducts the Energy audit?</p> <p>a. NO b. YES</p>
	B	<p>If answer to 10. A is YES, then provide the Energy Audit Report of your institute which includes (yearly per capita electricity consumption of the institute, percentage of energy efficient appliances in the campus (to include star-rated appliances, LED light bulbs, sensor based automatic light, appliances based on Traditional Indian Knowledge system etc.)</p>
11.		<p>Which of the following renewable energy source(s) is/are present on the campus? (You may select one or more from the following answers) In Others, Please specify source based on Traditional Indian Knowledge system. If any.</p> <p>a. NONE b. SOLAR POWER c. BIODIESEL d. CLEAN BIOMASS e. GEOTHERMAL f. WIND POWER g. HYDROPOWER h. COMBINE HEAT AND POWER i. OTHERS (PLEASE SPECIFY)</p>
12.		<p>What percentage of total electricity use is drawn from renewable electricity?</p> <p>a. NONE b. 1% - 25% c. 25% - 50% d. 50% - 75% e. MORE THAN 75%</p>
13.	A	<p>Does the campus have a sub - meters to monitor and assess the resource consumption patterns of major work areas (eg Mess building, hostel, administrative blocks etc)?</p> <p>a. NO b. YES</p>
	B	<p>If answer to above is 'YES', is the energy metering system made 'online' where the consumption pattern can be seen in real/ near real time through a dashboard?</p> <p>a. NO b. YES</p>
	C	<p>If answer to above is 'YES', has any mobile app been developed for viewing the dashboard on smart phone?</p> <p>a. NO b. YES</p>

14.	A	<p>Is eco-friendly conveyance being used for local in-house mobility by on campus residents (including day workers)?</p> <p>a. NO b. YES</p>
	B	<p>If yes, please mention the various of conveyance (eg golf carts, battery skate boards, battery assisted pedal bicycle etc.)</p> <p>_____</p>
15.		<p>What is the total green area per capita of the campus? (Sq.mtr.)</p> <p style="text-align: center;"> <input style="width: 150px; height: 30px;" type="text"/> </p>
16.		<p>Please provide the estimated percentage of total green area occupied by each of the following:</p> <p>a. LAWN (GRASS) _____ SQ MTRS b. TREE COVER (WOODED AREA) _____ SQ MTRS c. SHRUBS AND HEDGES _____ SQ MTRS d. POTTED PLANTS _____ SQ MTRS e. OTHERS - PLEASE SPECIFY _____ SQ MTRS</p>
17	A	<p>DOES THE INSTITUTE HAVE A CAMPUS BIODIVERSITY REGISTER?</p> <p>a) NO b) YES</p>
	B	<p>If answer to 17. A is YES, then How many species of plants does the campus have?</p> <p>a. LESS THAN 10 b. 11 TO 20 c. 21 TO 30 d. MORE THAN 30</p>
18.	A	<p>How many plants have been sowed per capita in the last year in/Outside the campus?</p> <p>a. LESS THAN 5 b. 5 TO 10 c. 10 TO 20 d. MORE THAN 20</p>
	B	<p>How many number of Students/ Faculty/Staff involved in the above initiative?</p> <p>-----NOT MORE THAN 25 WORDS -----</p>
19.		<p>Is the campus green rated?</p> <p>a. NOT RATED b. RATED</p>
20.	A	<p>Does the campus calculate its overall carbon footprint?</p> <p>a. NO b. YES</p>
	B	<p>If yes, please mention the recent score with date:</p> <p>SCORE _____</p> <p>DATE _____ (DD/MM/YYYY)</p>

	C	<p>What are the steps institute has taken to reduce its carbon footprints?</p> <p>-----NOT MORE THAN 100 WORDS -----</p>
21.	A	<p>Is there active students' involvement in Govt. initiated/private organization initiated/self- initiated green programs and projects?</p> <p>a. NO b. YES</p>
	B	<p>If YES, Number of projects carried out in the last academic year: -</p> <p>a. 0 TO 5 b. 6 TO 10 c. 11 TO 20 d. MORE THAN 20</p>
	C	<p>If YES, How many number of students involved in the above initiative?</p> <p>-----NOT MORE THAN 25 WORDS -----</p>
22	A	<p>Does the institute have valid documented and well-circulated green policies/Guidelines?</p> <p>a. NO b. YES</p>
	B	<p>Do you have any approval/ authorisation from pollution control board/ statutory bodies? If applicable, please provide the copy of the relevant approval(s). (For eg. E-WASTE RULES 2016 CLEARANCE, HAZARDOUS WASTE RULES 2016 CLEARANCE, SOLID WASTE RULES 2016 CLEARANCE, BIO-MEDICAL WASTE RULES 2016 CLEARANCE, AIR ACT 1981, WATER ACT 1974, ENVIRONMENT PROTECTION ACT 1986, GREEN POLICIES, OTHERS)</p>
23	A	<p>Does the institution oversee any programme/Project/Campaign for implementation of green programs in the neighbouring communities?</p> <p>a) NO b) YES</p>
	B	<p>If answer to 23. A is YES, then following information be provided (You may select one or more from the following)</p> <p>a. Green programs during Lockdown period(COVID-19) b. Any green program using Indian Knowledge System. c. Any other</p>
	C	<p>How many number of Students/Faculty/Staff involved in the above initiative?</p> <p>-----NOT MORE THAN 50 WORDS -----</p>
24	A	<p>Has the institute participated in UBA/SAGY/ One student one Tree/ Jal Shakti Abhiyan?</p> <p>a. NO b. YES</p>

	B	<p>If YES, how many programs were done in the past year?</p> <p>a. 0 TO 5 b. 6 TO 10 c. 11 TO 20 d. MORE THAN 20</p>
25	A	<p>Does the institute participate in technology or innovation-related programs/competitions (ex. Hackathon)?</p> <p>a. NO b. YES</p>
	B	<p>If YES, please mention the No of programs/competitions participated from June 2019 to September 2020.</p> <p>_____ <NUMERIC VALUE></p>
26		<p>Does the campus participate in climate change related events (workshops, conferences, and training)?</p> <p>a. NO b. YES</p>
27		<p>How many climate change-related events did the institute organize on/off campus in the past academic year?</p> <p>_____ <NUMERIC VALUE></p>
28	A	<p>Has the campus partnered with any external organizations to implement a technologically-driven environment and sustainable solutions?</p> <p>a. NO b. YES</p>
	B	<p>If yes, how many collaborations were done in last one year?</p> <p>_____ <NUMERIC VALUE></p>
29		<p>Are there signage's on the campus that help in promoting hygiene, sanitation and eco-friendly habit lifestyle?</p> <p>a. NO b. YES</p>
30		<p>Does the Institute have smart displays and interactive models?</p> <p>a. NO b. YES</p>
31	A	<p>Is there any paperless policy implemented on the campus?</p> <p>a. NO b. YES</p>
	B	<p>What is the extent of the paperless office implemented in the institute?</p> <p>a. LESS THAN 25% b. 25 – 50% c. 50 -75% d. MORE THAN 75%</p>

32	A	<p>Has the campus networked its sensors to create smart campus?</p> <p>(a) NO (b) YES</p>
	B	<p>If yes, what are the type of applications being utilised for monitoring and control of such utilities? (You may select one or more from the following answers)</p> <p>a. WEB APPLICATION (DASHBOARD) b. MOBILE APPLICATION c. MAIL ALERT d. SMS BASED ALERT e. OTHERS</p> <p>_____</p> <p>_____</p>
33		<p>Is the campus entry based on ease of access via Smart Card/ Biometrics system?</p> <p>a. NO b. YES</p>
34		<p>Does the campus have tools for automation of functionalities like Timetable, Library Management, Book Issue/ Return, Dues Collection, student dash board, parent dash board etc.?</p> <p>a. NO b. YES</p>
35.		<p>Has the campus implemented smart solutions like ERP for administration, academic, and finance?</p> <p>a. NO b. YES</p>
36		<p>Has the campus implemented an online platform like MOODLE for teaching and learning process?</p> <p>a. NO b. YES</p>
37.	A	<p>Does the institute restrict fuel based vehicle on campus and allow only <u>selective</u> barrier-free entry/exit?</p> <p>a. NO b. YES</p>
	B	<p>If the answer to above question is <u>YES</u>, does the campus have smart-assist parking system at a central parking location (WiFi, Sensor-enabled parking)?</p> <p>a. NO b. YES</p>
38.		<p>Does the campus have Security and Surveillance system?</p> <p>a. NO b. YES</p>
39.	A	<p>Does the institute support and encourage ease of accessibility for Divyangjan?</p> <p>a. NO b. YES</p>

	B	<p>If yes, mention the types of the assistance being facilitated for independent accessibility. (You may select one or more from the following answers)</p> <ul style="list-style-type: none"> a. RAMP b. METAL STRIPS c. BATTERY-ASSISTED WHEELCHAIRS d. SEPARATE WASHROOMS e. TACTILE PAVING FOR THE BLIND f. OTHERS
40.		<p>Provide the number/Percentage (%) of people reporting sick in last one year in the health centre (if any) of the institute?</p> <p>-----NOT MORE THAN 25 words-----</p>
41.		<p>Has the institute set up the SDGs (Sustainable Development Goals) related teaching courses in the curriculum or additional activities?</p> <ul style="list-style-type: none"> a. NO b. YES
42		<p>Is the campus measuring the Air Quality in and around their campus?</p> <ul style="list-style-type: none"> a) NO b) YES
43		<p>Has your institute promoted the Indian Knowledge Systems (IKS) in the curriculum or related activities?</p> <ul style="list-style-type: none"> a. NO b. YES
44	A	<p>Did you raise the awareness on the AICTE's environmental policy?</p> <ul style="list-style-type: none"> a) NO b) YES
	B	<p>If YES, What are the specific activities that you developed related to AICTE Environmental Policy? (You may Select one or more from the following answers)</p> <ul style="list-style-type: none"> g. NON -CREDIT /CREDIT COURSE ON ENVIRONMENT SCIENCES h. SMART INDIA HACKATHON SOLVING ENVIRONMENTAL CHALLENGES i. INCLUSION IN CURRICULUM j. ENVIRONMENTAL AWARDS k. OTHERS (PLEASE SPECIFY)
45		<p>What is the financial saving/benchmark impact which has been achieved by turning your institute into smart campus?</p> <p>----- NOT MORE THAN 150 WORDS DESCRIPTIVE ANSWER-----</p>



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46		<p>What change has been achieved by implementing Smart Technologies in your campus which was not achievable prior to such implementation ----- NOT MORE THAN 150 WORDS DESCRIPTIVE ANSWER-----</p>
47		<p>How the Smartness is being leveraged physically by on campus society (Students, Faculty, Administrators etc.) ----- NOT MORE THAN 150 WORDS DESCRIPTIVE ANSWER-----</p>
48		<p>Whether the institute use any tools like IOT /Big data analysis /AI for students Equity/adaptive learning? ----- NOT MORE THAN 250 WORDS DESCRIPTIVE ANSWER----- -</p>
49		<p>Does institute use any Emerging Technologies like Artificial Intelligence, IOT, Data Analysis etc. for helping disabled students or Rural/Agriculture Sector to promote Entrepreneurship/skilling/heath monitoring/Waste Management? ----- NOT MORE THAN 250 WORDS DESCRIPTIVE ANSWER----- -</p>
50		<p>Does the institute have any smart system to monitor fire safety measures? ----- NOT MORE THAN 250 WORDS DESCRIPTIVE ANSWER----- -</p>
51		<p>Has Institute taken any step for ensuring cyber security related issues? ----- NOT MORE THAN 250 WORDS DESCRIPTIVE ANSWER-----</p>
52		<p>Whether the institute has been awarded any kind of special recognition? If yes, Provide details with photographs/ Document.</p>
53		<p>Has the institute planted any type of Traditional Medicinal Herbal plants in the campus based on Indian Knowledge System (IKS)? If yes, Please provide the List and Photographs.</p>
54		<p>Provide the case study on Implementation of Traditional Indian Knowledge System (IKS) which includes food, water, Sanitation, Health, Management, Rain water harvesting etc. relevant to guidelines of Clean and Smart campus Award. Give details not more than 150 words (it may include pictorial representation/Videos/Photographs may also attached pdf of max size 1 MB) <i>(Please note:-Separate award will be given to the deserving institute in this context)</i></p>

