Supporting Document for Quantitative Metric 7.1.3

Submitted to NAAC

By

Einstein Academy of Technology and Management (EATM), Bhubaneswar

Einstein Academy of Technology and Management (EATM)
Bhubaneswar

7.1.3 Quality audits on environment and energy regularly undertaken by the Institution.

The institutional environment and energy initiatives are confirmed through the following

1. **Green audit / Environment audit**
2. **Energy audit**
3. **Clean and green campus initiatives**
4. **Beyond the campus environmental promotion and sustainability activities**

Options:

A. **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. All of the above

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Content

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Policy Document on Environment and Energy Usage

The goal of the Einstein Academy of Technology and Management green policy is to protect the environment and preserve natural resources by using its knowledge and expertise to create a variety of innovative eco-friendly solutions. Our green policy calls for monitoring, directing, and inspecting human activity as well as implementing a variety of steps to protect the biophysical environment and natural resources while assuring no adverse effects on people.

The students and staff members of the institute have been actively working on spreading awareness on issues related to environment protection and sustainable lifestyle among the students and society. The institute organises programmes which aim at the conservation of air, water, biodiversity, energy and adoption of the practices which promote good health and sustainable development. The activities comprise sensitizing the community about conservation and sustainability of the biotic as well as abiotic components of the environment through workshops, awareness campaigns, rallies, poster making competitions, street plays, talks, symposiums and various other drives. Currently, there are following main areas that need to be monitored

Landscaping with Trees and Plants:

As per the Clean and Green Policy of the Institution, the college is maintaining green lawn and trees around ground. Gardeners and adequate support staff have been appointed for the maintenance of lawn and keeping clean and Green Campus.

Tree plantation programme is carried out by students and staff every year. Subsequent care is taken by the gardeners. Due to this program over the years the green campus has become developed. As per our social responsibility Institute also organize tree plantation in nearby areas.

Rain Water Harvesting:

Water security in our nation and the protection of lives and livelihoods depend on water conservation and recharge. Rain Water Harvesting has been done for hostels on Campus. It was found that the rain water collected during one monsoon is around 5569 cubic meter. Part of the water collected is used for recharging the ground and rest is used for washing and bathing after treatment by water treatment plant.

Waste Management:

Daily garbage is collected by housekeeping personnel and segregated into degradable and no degradable waste. Degradable waste is put into the pit made in the college campus for composting. The compost is used as fertilizer for the plants. The College initiated a drive to stop the use of thermocol/plastic disposables in the college premises. It has successfully stopped the usage of single

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use plastic including plates, glasses, spoons, straws, etc. in the college campus in association with the college canteen.

Projects on renewable energy:

Students and staff contribute in research related with renewable energy. Projects carried out by our students on mini solar power plant, solar water heater to reduce carbon emission.

Paperless Office and Communication and Paper Recycling:

The college endorses the culture of reduce and reuse of paper strongly and has over the years, reduced the consumption of paper to a significant extent. Institute uses ERP software for internal Communication with student and faculties. Various level Whats App groups are formed to communicate between students and staff members. By doing so, the Institute is able to reduce consumption of paper and other materials that require destructions of natural resources. Daily circulars and notices are circulated through e-mail to all faculty members. The volunteers collect rough copies and the practical files of pass out students from the laboratories and separate the used and blank pages. The used pages are sent for recycling and the blank pages are used to make notebooks. These items are given for recycling and receive stationery items in return.

No use of Crackers: The College raises a voice to prevent air-pollution and not to spoil the holy spirit of Diwali celebrations in a chaotic display of fire crackers. It supports the concept of cracker free Diwali and organises an anti-cracker campaign every year. The campaign makes use of various means to spread its message including rangoli making competition, rally in the surrounding areas, Nataks, etc.

Energy Conservation: The Energy Conservation Policy was adopted by Einstein Academy of Technology and Management in order to encourage environmental awareness and the holistic development of students. The College aims to thoroughly reduce energy consumption, ensure acceptable indoor air quality, and improve energy efficiency on campus using methods that are consistent with a safe, secure, and coconscious campus community. As stated in this policy, energy conservation will be achieved through creating a proactive and forward-thinking strategy for campus operations that are responsible, efficient, and cost-effective. The College has installed rooftop solar panels to harness solar energy.

Energy Saving Tips:

• Turn off the monitor when not in use.

• Turn off unnecessary lights and use daylight instead.

• Encourage Use of LEDs.

• Keep fans, ACs in conference halls, classrooms, seminar halls off when they are not in use.

• Use the fans only when they are needed.

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Certificate from the External Accredited Auditing Agency

Certificate of Registration

This is to certify that

EINSTEIN ACADEMY OF TECHNOLOGY AND MANAGEMENT

AT: BANIATANGI, PO: BAJAPUR, DIST : KHURDA, BHUBANESWAR, PIN : 752060, ODISHA

has been independently assessed by QRO
and is compliant with the requirement of:

ISO 9001:2015

Quality Management System

For the following scope of activities:

IMPARTING TECHNICAL EDUCATION TO THE LEVEL OF DIPLOMA IN MECHANICAL ENGINEERING, CIVIL ENGINEERING, DEGREE COURSES IN CIVIL ENGINEERING, MECHANICAL ENGINEERING, ELECTRICAL ENGINEERING, ELECTRICAL AND ELECTRONICS ENGINEERING, COMPUTER SCIENCE & ENGINEERING, COMPUTER SCIENCE & ENGINEERING(DATA SCIENCE), ELECTRONICS & COMMUNICATION ENGINEERING, M TECH. IN STRUCTURAL ENGINEERING AND MECHANICAL SYSTEM DESIGN, MBA (FINANCE MANAGEMENT), MBA (MARKETING MANAGEMENT)

Date of Certification: 5th March 2024
1st Surveillance Audit Due: 4th March 2025

2nd Surveillance Audit Due: 4th March 2026
Certificate Expiry: 4th March 2027

Certificate Number: 305024030569Q

Head of Certification

CAB # 119005

India Office : QRO Certification LLP
142, IInd Floor, Avtar Enclave, Near Paschim Vihar West Metro Station, Delhi-110063, (INDIA)
Website : www.qrocert.org, E-mail : info@qrocert.org

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and is compliant with the requirement of:

ISO 50001:2018

Energy Management Systems

For the following scope of activities:

IMPARTING TECHNICAL EDUCATION TO THE LEVEL OF DIPLOMA IN MECHANICAL ENGINEERING, CIVIL ENGINEERING, DEGREE COURSES IN CIVIL ENGINEERING, MECHANICAL ENGINEERING, ELECTRICAL ENGINEERING, ELECTRICAL AND ELECTRONICS ENGINEERING, COMPUTER SCIENCE & ENGINEERING, COMPUTER SCIENCE & ENGINEERING(DATA SCIENCE), ELECTRONICS & COMMUNICATION ENGINEERING, M TECH. IN STRUCTURAL ENGINEERING AND MECHANICAL SYSTEM DESIGN, MBA (FINANCE MANAGEMENT), MBA (MARKETING MANAGEMENT)

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Head of Certification

EGAC
CAB # 119005

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ISO 14001:2015
Environmental Management System

For the following scope of activities:

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CAB # 119005

MEMBER OF MULTILATERAL
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ISO 50001:2011

Energy Management System

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Certificate Number: 2021050309

Validity of this certificate can be verified at www.ukctl.org.uk/verification

Date of Certification: 05th March 2021
1st Surv. Audit Due: 04th March 2022

2nd Surv. Audit Due: 04th March 2023
Certificate Expiry: 04th March 2024

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ISO 50001:2011

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Certificate Number: 2018050304

Validity of this certificate can be verified at www.ukctl.org.uk/verification

Date of Certification: 05th March 2018
1st Surv. Audit Due: 04th March 2019

2nd Surv. Audit Due: 04th March 2020
Certificate Expiry: 04th March 2021

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