



हरकोर्ट बटलर प्राविधिक विश्वविद्यालय

नवाबगंज, कानपुर - 208002, उ.प्र., भारत

HARCOURT BUTLER TECHNICAL UNIVERSITY

NAWABGANJ, KANPUR - 208002, U.P., INDIA

(Formerly Harcourt Butler Technological Institute, Kanpur)

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100 YEARS
1921 - 2021

Environmental Performance Evaluation Recognition for HBTU:

A Green Campus Initiation of SPIU-UP under TEQIP-III for Environment Management Framework, conducted an “Environmental Performance Evaluation” for the project institutes on 18th September, 2020 through video conference mode by a panel of experts. The online environmental performance review was inaugurated by Prof P M Khodke, CPA, NPIU.

Amongst all the participating institutes, HBTU-Kanpur was found “Third Best Institute” in terms of Environmental Performance, securing 57 marks.

The Parameters for Environmental Performance Evaluation were:

1. Water Conservation
2. Rain Water Harvesting
3. Waste Water Recycling
4. Solid Waste Management
5. Bio-Energy from waste, composting
6. Energy Conservation
7. Solar energy and other alternative renewable energy
8. Plantation Promotion in campus and outside
9. Eco-friendly building material
10. Eco-friendly building plan and design
11. Energy efficient lighting and other energy-based appliances

Panel of experts for the Environmental Performance Evaluation were as follows:

1. **Prof. M A Khalid**, Dean (Welfare), Integral University, U.P.
2. **Prof (Dr.) Jyotsana Pandit**, HOD (AS), Mangalmay Institute of Engineering and Technology, Greater Noida, U.P.
3. **Dr. Kapil Kumar**, Professor (AS), G N Group of Institutions, U.P.



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The details and ranking of institution who participated in the environmental performance evaluation through video conference are as follows:

Name of Institution	Expert-1	Expert-2	Expert-3	Average	Ranking
IET Agra	44	42	37	41	6 th
DEI Agra	81	83	68	77	1 st
BIET Jhansi	53	55	30	46	5 th
HBTU Kanpur	48	74	48	57	3rd
UPTTI Kanpur	40	44	25	36	9 th
REC Banda	63	71	39	58	2 nd
REC Bijnor	41	43	29	38	8 th
REC Azamgarh	46	47	28	40	7 th
KNIT Sultanpur	54	60	33	49	4 th


Nodal Officer

Dr. Vandana Dixit Kaushik
(HBTU Kanpur)

Nodal Officer Engineering TEQIP-III
Harcourt Butler Technical University
Kanpur-208002



राज्य परियोजना कार्यान्वयन इकाई - उत्तर प्रदेश

TEQIP

State Project Implementation Unit - Uttar Pradesh

TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME -III

(A World Bank assisted Project under Ministry of Education, Government of India)

8th STATE STEERING COMMITTEE
MEETING

DATE: 29-10-2020 :: Time: 01:00 PM

Virtual mode through Video Conferencing

Item No 8.16 | Environment Management Framework

SPIU Brief:

(a) Environmental Performance of Institutions:

All PIs have the EMP well in place. Last Review meeting was conducted on 31st July 2019 when each of the institutions presented the EMF implementation status in a particular format. ON the day prominent experts of environment from across the country guided the institutions on Green Campus Initiatives.

The EMF was created with the following key objectives:

- Providing a framework for integration of environmental aspects at all stages of project planning, design, execution and operation.
- Enhancing positive environmental impacts of the project and avoid/minimize potential adverse impacts.
- Making environment options available to stakeholders to foster environmental actions, as needed in specific context/situations.

On 31st July, 2019, as part of the Green Campus initiative, detailed deliberations were held finally following were decided as mandate for the institutions to ensure the campus green with following interventions by the interventions, as part of their initiatives for Green Campus:

- ❖ DIRECTOR of every institute has to develop a plan to save energy at the institute level with time bound plan to install 10 KW Solar Power Station mandatorily either at the top of college building or in open field. This will enable the institute to have 24x7 power supply.
- ❖ DIRECTOR of the Institute will phase out the CFL and conventional light source such as bulbs and tube lights, halogen and mercury street/campus lights. These steps will not only save the money but make the institute self-sustainable.
- ❖ Energy audit shall be made mandatory for every institute.
- ❖ Save Energy will be the motto of every day's working in each institute. Every institute will purchase only energy star compliant computers and equipment's. If energy star is unavailable, purchase the most energy-efficient model available in the market.
- ❖ Institute will make all the necessary efforts to involve the students, faculty and staff in "Green Campus Initiatives" by designating the volunteers, printing T-shirts/ Caps with green campus initiative slogan specially designed for the purpose.
- ❖ Various Committee can be constituted consisting of students and teaches for water conservation, energy conservation and audit, waster waste recycling, solid waste management, Green Committee etc.
- ❖ Start "Adopt a Tree Campaign in the institution among the students - particularly among first and second year students).

- ❖ Adopt a village to make it green
- ❖ Awareness campaign in nearby vicinity.

(b) Environmental Performance Evaluation

As part of the Green Campus Initiative (GCI) of SPIU-UP under TEQIP-III mandate for Environment Management Framework (EMF) seeking to reduce environmental degradation that may arrive and to encourage institutions to adopt various environment augmentive measures like rain water harvesting, use of heat reflecting glass, promotion of energy efficient lighting, use of renewable energy etc., *Environmental Performance Evaluation of the project institute was conducted on 18th September, 2020 through video conference mode by a panel of experts, duly constituted for the same.* The Online environmental performance review was inaugurated by Prof P M Khodke, CPA, NPIU.

The Experts for Environmental Performance Evaluation

The experts participated in the review are as under:

1. Prof M A Khalid
Dean, Welfares, Integral University
Head, Depat of Environmental Science, Integral University, Lucknow
Mob: 7800089633/9818425530; Email: makhalid2007@gmail.com, makhalid@iul.ac.in
2. Prof (Dr) Jyotsana Pandit, HOD (AS), Mangalmay Institute of Engineering & Technology, Greater Noida, UP
Mob: 9412656787; Email: jyotsnapandit4@gmail.com
3. Dr Kapil Kumar, Professor (AS), G N Group of Institutions
Mob: 9811723109; Email: kapiltyagiiec@gmail.com

The Parameters for Environmental Performance Evaluation

Following institutions made the presentations before the expert committee on eleven (11) parameters namely:

1. Water conservation
2. Rain water Harvesting
3. Waste water Recycling
4. Solid Waste Management
5. Bio-Energy from waste, composting
6. Energy Conservation
7. Solar energy and other alternative renewable energy
8. Plantation Promotion in campus and outside
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The Analysis of Data

Each of the experts reviewed the performance of the institutions who made the presentations against above eleventh(11th) parameters and verified the evidences from the database share by SPIU-UP (as collated from institutions to the google link). The experts submitted their evaluation sheet to the SPIU. The marks provided by the three experts were averaged and final data sheet was made ready. DEI-Agra came out best environmentally performing institute securing 77 marks against total of 100. Rajkiya Engineering College, Banda was found second best environmentally performing institute securing 58 marks and HBTU-Kanpur stood 3rd securing 57 marks. The institutions who participated in the performance evaluation through video conference are detailed in the following table and their ranking in terms of environmental performance.

Environmental Performance Evaluation

Name of Institution	Expert-1	Expert-2	Expert-3	Average	Ranking
IET Agra	44	42	37	41	6th
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(c) Green Campus Initiatives (GCI)

The SPIU-UP is continuously working on its efforts for Green Activity in the campus with a brand name - Green Campus Initiative (GCI) and is trying to develop an ecosystem and enabling mechanism in the campus where environmental issues are addressed in a systematic and structured manner.

Further efforts are being taken to carry forward the above initiatives and to publish Monograph on "Green Campus Initiatives in Uttar Pradesh", as decided at state steering committee of TEQIP-III/SPIU-UP, a Committee consisting of the following with members/faculty from 1.1 institutions and technical institutions affiliated to 1.2/ATU i.e. Dr APJ Abdul Kalam Technical University has been constituted:

1. Dr Anil Kumar, State Project Administrator, SPIU-UP - Chairman

2. Prof. G.S.Sailesh Babu, Deptt of Elect. Engg., DEI Agra - Member
3. Dr Mahima Chaurasia, Asst Professor, IET, RML Avadh University Ayodhya
- Member
4. Dr Shailendra Badal, Head (AS), Rajkiya Engineering College, Banda - Member
5. Prof (Dr) Jyotsana Pandit, HOD (AS), Mangalmay Institute of Engineering & Technology, Greater Noida, UP - Member
6. Dr Kapil Kumar, Professor (AS), G N Group of Institutions - Member
7. Dr Mahaveer Singh Naruka, Nodal Officer (Academic), SPIU-UP - Convenor

The objective is to publish the *Monograph/Book on Green Campus Initiatives* in UP which will document all sound environmental practices being followed by various institutions in UP and select few from outside with an objective to transmit the information to all institution about necessity of addressing all the environmental issues in sound, systematic and sustainable manner, keeping the campus green in every sense.

The best performing institutions against environmental initiatives, namely DEI Agra (1st), REC Banda (2nd) and HBTU Kanpur (3rd) may be recognised by issuance of appreciation letter under signature of Chairman, SSC & Addl. Chief Secretary and SPA.

Action required	The Committee may note and approve.
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