

GREEN CELL, IIT(BHU) VARANASI

- 1) Green Cell of the IIT (BHU) was formed after the directive of Ministry of HRD for green auditing in the campus in the month of January 2014.
- 3) Under the Chairmanship of Hon'ble Director, the Green Committee of Indian Institute of Technology, (BHU), Varanasi was formally constituted on 9th Jan 2014. Prof S.H. Hasan was appointed as a Chairman with a following working group of active faculty members.
 - Prof. A.S.K. Sinha
Department of Chemical Engineering, IIT (BHU)
 - Prof. Rajeev Prakash
School of Material Science & Technology, IIT (BHU)
 - Prof. P.K.S. Dixit
Department of Civil Engineering, IIT (BHU)
 - Prof. S.K. Shukla
Department of Mechanical Engineering, IIT (BHU)
 - Dr. S.S. Mandal
Department of Mechanical Engineering, IIT (BHU)
 - Dr. Ashok Sharma
Department of Electronic Engineering, IIT (BHU)
 - Prof. S.K. Sharma
Department of Mining Engineering, IIT (BHU)
 - Dr. Rajendra Prasad
Department of Physics, IIT (BHU)
 - Dr. J.V. Tirkey
Department of Mechanical Engineering & Council of Student Gymkhana, IIT (BHU)
 - Dr. Amritanshu Pandey
Admin. Warden, Limdi Hostel, IIT (BHU)
 - Dr. S. Hemlatha, Warden, GSMC Extn., IIT (BHU)
 - Er. U. Banerjee, UWD, BHU
 - The Asstt. Registrar (Admin,), IIT (BHU)
- 4) The first meeting of Green Committee was held on 24th January, 2014 under the chairmanship of the Director IIT (BHU) and several issues regarding cleanliness and green related matters of IIT (BHU),Varanasi were discussed. It was resolved to set up a Green Club to act as a interface between faculty members and students of the campus to achieve the objectives of Green auditing of the campus.
- 5) Following objectives were resolved in the meeting:

- Developing a Green policy (vision document) and Frame work for the institute.
- Encourage the efficient use of resources to reach the goal of zero waste of electricity, food and water.
 - Establishing an efficient waste management system and implementing mechanisms for converting waste to energy.
 - To develop indigenous sustainable technologies for environmental issues.
 - A sense of collective responsibility in every individual in campus to promote sustainability.
 - Reach out to the nearby villages to spread awareness about environmental issues.
 - Assessing the environmental and health impact of current practices.
 - Auditing the electricity and water consumption in the institute and developing best practices to reduce carbon footprint in the campus.

6) A panel of student representatives from all the hostels was made for maintaining a clean and healthy environment in all the hostels of IIT (BHU),Varanasi.

| S. No. | Names | Room No. & Hostel | S. No. | Names | Room No. & Hostel |
|--------|--------------------------|------------------------|--------|-------------------|------------------------|
| 1 | Amandeep Singh Dhanjal | CV Raman | 17 | Anuj Kumar Maurya | 72, Dhanrajgiri Hostel |
| 2 | Konidala Satyanarayana | Limbdi | 18 | paridhi mishra | 39(B) GSMC(new) |
| 3 | Varun Agrawal | Vishwakarma Hostel | 19 | Yashveer Singh | 69,Rajputana |
| 4 | Pankaj Sharma | Rajputana Hostel | 20 | Kartik Baldewa | 110, C V Raman |
| 5 | Rutuja | GSMC Extension | 21 | Shubhanshu soni | 46 , Dhanrajgiri |
| 6 | Rishabh Tekriwal | 147,Rajputana hostel | 22 | Dhawan Gupta | 226, Morvi Hostel |
| 7 | Rahul Bansal | 143, Limbdi | 23 | Tarkeshwar singh | 44 , Dhanrajgiri |
| 8 | Chetan prahash verma | 45 , Rajputana | 24 | Nishanth | 11 Limbdi |
| 9 | Vaibhav Bansal | 103 Dhanrajgiri Hostel | 25 | Aman kumar | 182 , dhanrajgiri |
| 10 | Alok Kumar Singh | 8, Dhanrajgiri Hostel | 26 | Archana Sharma | 40B, New GSMC |
| 11 | Ravi Agrawal | 46 Rajputana Hostel | 27 | Rajeev Verma | 39, Dhanrajgiri Hostel |
| 12 | shreya gupta | 69B Extn. GSMC | 28 | Himanshu Gangwar | 95, rajputana |
| 13 | Saurabh Bothra | 24 Vishwakarma | 29 | Dhruvile | 100, SN Bose |
| 14 | Kalyan Sashank Mupparaju | 26, S.C. De Hostel | 30 | Chetan prakash | 45 , Rajputana hostel |

| | | | | | |
|----|------------------------|-------------------|----|-------------|--------------|
| 15 | Kushagra Shrivastava | 132, Morvi Hostel | 31 | Hritik Jain | 47, S.N.Bose |
| 16 | Amandeep Singh Dhanjal | CV Raman | | | |

7) In addition to panel of student representatives from all the hostels, following student volunteers for Green Club were selected to act as a interface between faculty members and students of the campus to achieve the objectives of Green auditing of the campus for the session **2014-2015**.

| S. No. | Names | S. No. | Names |
|--------|------------------|--------|-------------------|
| 1 | Chinmay Kothari | 13 | Sampath Raj |
| 2 | K.Vishal Kumar | 14 | Rakesh Jatolia |
| 3 | Abhishek Agrawal | 15 | Vasu maddineni |
| 4 | Manikanta Ambepu | 16 | Jakkam rugued |
| 5 | Anshul jain | 17 | Gautam |
| 6 | Malkhan Thakur | 18 | Nilesh Patidar |
| 7 | Latika Khurana | 19 | Sangeet Choubey |
| 8 | Aditya Sharma | 20 | Devendra Gupta |
| 9 | Palak s Joshi | 21 | Nikhil Bharadwaj |
| 10 | Manasa Perikala | 22 | A.Bharath kaushal |
| 11 | Jeeshan Ahmed | 23 | Deepak Yadav |
| 12 | Ashish Raj | | |

8) Action implemented under the Green Cell for session 2014-15:

- Water and Electricity metering: Installation of meters to four hostels, viz. Visweswarayya, S. N. Bose, Old and New GSMC hostels for monitoring electricity and water consumption was done.
- Complaint Cell: Launched a complaint cell for reducing water wastage whereby students can directly send a text message to the plumbers in case of water leakage in any hostel.
- Awareness Programmes to sensitize the issue:
 - Documented a video showing the current scenario of waste management in the campus and the students view about the same.
- Shared a message to “switch off the lights when not in use” on every door as well as ‘Turn off the Tap’ at each Tap of each hostel of the institute.



- Flexes in hostel mess to spread awareness about food wastage.

- Monitoring food wastage in four hostels by weighing the amount of food wasted by students.

9) A joint meeting of BHU and IIT (BHU) 8 October 2014 under the Chairmanship of Hon'ble Vice Chancellor (Prof. Rajeev Sanghal) was held and following important decisions were taken:

Zero Plastic Zone: creating plastic free campus by banning plastic wares in mess, functions, parties, conferences, shops etc.

Management of Biological waste: Composting pits will be prepared nearby hostel premises for managing biological wastes generated by the hostels.

Potable water quality monitoring: Periodically drinking water will be monitored for the quality check.

Awareness drive: Educating Maharajs, mess workers and shopkeepers about cleanliness and green drive.

Channelizing civic bodies of the campus: SSS, EWS and UWD were synchronized together to achieve the desired results by their collective efforts.

10) **Cleanliness Drive under Swachha Bharat Abhiyan:** Started a Swachha Bharat Abhiyaan campaign, an initiative started by our Hon'ble Prime Minister Shri Narendra Modi, on 2nd October, 2014 and cleaned the roads from Rajputana hostel to Vishwanath Temple under the leadership of Hon'ble Director of IIT(BHU) on 17th October, 2014. On the same day, a Paper Bag Campaign was organized to make the campus plastic free for which Mr. Abdul Muqem, popularly known as Paper Bag boy was made its Brand Ambassador to motivate students ban Plastic bags and use Paper bags instead.

11) **New student volunteers for Green Club was made for session 2015-2016 with the following office bearers**

- Mr. Pushpendra Trivedi, IIIrd year Civil Engg – Secretary

- Mr. Sai Deepak Katepally, IInd year Chemical Engg. – Joint Secretary
- Ms. Ayushi Jain, IInd year Civil Engg. – Joint Secretary

12) Various activities and issues taken up for the session 2015–16 are:

- Devoted an entire year to remove all the metal scrap from the junk yard nearby workshop and IIT Cafeteria.
- Displayed banners with motivational quotes written at Limbdi Corner on the occasion of 15th August.
- Conducted two Plantation Drives, first phase on 15th August and second phase on 19th September, to which our Hon'ble Director acted as our chief guest.
 - Organized a Clean Campus Drive on October at DG Corner and made the place cleaner.
 - A Green Week in which many Green initiatives like plantation, cleaning drives, adopt a sapling, etc. was conducted for an entire week.
- Posters and stickers were pasted on water coolers and washrooms to reduce water wastage.
- 30 colour coded dustbins were sanctioned for sensitizing of cleanliness and are going to be installed shortly.

13) Green ideas:

- Renovation of mess kitchens with designing structures for inventory storage.
- A Sustainability guide for the institute, to be distributed among the first yearites.
- Centralized food storage system for all the messes in IIT(BHU).
- Lecture series on green jobs related to various departments by eminent speakers.
- Solar water heaters in hostel.
- Collaboration with various institutes and industries for live projects.

Green Committee of IIT (BHU) welcomes suggestions and guidance from everyone in making the institute a zero waste campus.

Prof. Syed Hadi Hasan,
Chairman, Green Committee,
IIT (BHU), Varanasi-221005.