



एक कदम स्वच्छता की ओर



OUR INITIATIVES

TOWARDS SWACHH BHARAT ABHIYAN



www.chitkarauniversity.edu.in

OUR AWARDS AND RECOGNITIONS

- Ranked among top ten Universities out of 3500 institutions PAN India in Swachhta Ranking for Higher Educational Institutions for two consecutive years i.e. 2018 and 2017 by Ministry of Human Resource Management, Government of India.
- Ranked among top 151-200 Universities under overall category in NIRF Ranking 2019 by Ministry of Human Resource Management, Government of India.
- Awarded “**Environment Leadership Awards 2018-19**” by Government of Himachal Pradesh for taking initiatives on sustainable development and solving the problems of society through its proactive research contribution.
- Ranked No. 1 in the state of Himachal Pradesh for “**HP Environment Leadership Award 2017**”.
- Awarded as the first education institute in India with “**DL Shah Quality Awards – 2018**” for its 'Zero Discharge Environmental Friendly Educational Campus.
- Selected under the Unnat Bharat Abhiyan, Ministry of Human Resource Management, Government of India for Rural Development.

CHITKARA UNIVERSITY, HIMACHAL PRADESH, WINS ENVIRONMENT LEADERSHIP AWARD 2019

Chief Minister of Himachal Pradesh felicitated Dr. Varinder S Kanwar, Vice Chancellor- Chitkara University, Himachal Pradesh with “**Environment Leadership Award 2019**” recognizing the University for taking a ride on the *green* side and solving the problem of Sludge Disposal faced by industries situated in Baddi Barotiwala Nalagarh Development Authority (BBNDA). Himachal Pradesh Government has also released a “Coffee Table Book” with special mention of University for initiatives taken and best practices adopted in the area environmental conservation and sustainability by Educational Institutions of Himachal Pradesh.



OUR AWARDS AND RECOGNITIONS

Glimps of the Coffee Table Book



PRIZE : Second
CATEGORY: Individual

Prof (Dr.) Varinder S. Kanwar Vice Chancellor, Chitkara University

Prof. Virender S. Kanwar has used technological solutions for waste management and promote environment conservation. He has promoted solar energy and bio-gas in the University campus as Vice-Chancellor of the Chitkara University.

Best Practices adopted:

- Using waste sludge in road construction.
- Extensive work on hydroponic farming.
- Waste water recycling using dual plumbing.
- Establishment of Vermi - compost unit with waste water - leachate collection system used as organic pesticide.
- Promoting effective rain water harvesting for ground water recharge.
- Use of solar energy for lighting and water heating on a large scale.
- Establishment Bio-gas plant.
- Working on use of waste material in construction technology by introducing concept of bio homes.



Award Winners: 2018-19

Category	1 st Prize	2 nd Prize	Certificate of appreciation/ Consolation
Gram Panchayat	Gram Panchayat Dhamoon, V.P.O. Jubber Hatti, Tehsil & Distt. Shimla, H.P. Gram Panchayat Kakra Kasba, Development Block Bhattiyat, Distt. Chamba, H.P.	Gram Panchayat Alma, Tehsil Palampur, Distt. Kangra, H.P. Gram Panchayat Lana Bhatta, PO Chhapang, Tehsil Pachhad, Distt. Sirmour, H.P.	
Individual	Sh. Narender Singh Jambal, Dy. DEO Elementary Education, Distt. Mandi, H.P.	Prof (Dr.) Varinder S. Kanwar, VC, Chitkara University, Baddi, Distt. Solan, H.P. Sh. Jawahar Lal, Head Constable, Police Department, HHC 724, Police Line, Solan, H.P.	Sh. Shivam Thakur, IIT, Roorkee Student Vill. Nela, PO Dudar, Distt. Mandi, H.P. - 175001 Sh. Lal Chand Driver, Deptt. of Env. S&T, Shimla-1, H.P.
NGO	Sh. Bhupender Gandhi, Program Manager, Ambuja Cement Foundation, Village Sui, P.O. Darlaghat, Tehsil JArki, Distt. Solan, H.P. Sh. Lalit Jain, IAS, Deputy Commissioner Sirmour, Self Help Group formed under Watershed Development Programme DRDA Mahain, Distt. Sirmour, H.P.	Sh. Anil Soni, Editor-in-Chief, Divya Himachal Prakashan Pvt. Ltd., All Mangri, Franklin Estate, Lower Jakhu, Shimla, H.P. Sh. Tog Chand Thakur, Chairman Lahaul Spiti Parivartan Sarankashan Samiti, Udaypur, Village & PO Saigran, Tehsil Udaypur, Distt. Lahaul & Spiti, H.P.	Smt. Asha Devi, Pradhan, Sidh Baba Mahila Mandali, Gram Panchayat Dhatoon, Ward No. 6 Block Nagrota Bagwan, Distt. Kangra, H.P.
Industry	M/s ACC Limited, Gugal Cement Works, PO Barmana, Distt. Bilaspur, H.P.	M/s A D Hydro Power Limited, VPO Pnni, Tehsil Manali, Distt. Kulu, H.P. M/s Indorama Industries Limited, Plot No. 10, Industrial Area, VPO Lodi Meera, Baddi Distt. Solan, H.P.	
ULB		MC Ghumarwin, Distt. Bilaspur, H.P.	Dr. Kimi Sood, Collector, Bahmura W No. 17, MC Shimla, Chotta Shimla, H.P.
School	Govt. Sr. Sec. School Sangrah, Distt. Sirmour, H.P.	Govt. Sr. Sec. School Kuji, PO Kuji, Tehsil Pachhad, Distt. Sirmour, H.P. Govt. Senior Secondary School Rajpura, Tehsil Nalagah, Distt. Solan, H.P.	Govt. Sr. Sec. School Bhatian, Tehsil Nalagah, Distt. Solan, H.P. Govt. Sr. Sec. School Himgri, Edu. Block Saboon, Tehsil Churah, Distt. Chamba, H.P. DDU Zonal Hospital, (Ripon), Shimla-1, H.P.
Hospital			DDU Zonal Hospital, (Ripon), Shimla-1, H.P.
Office Premises			Director, Department of Information Technology, I.T. Bhawan, Mehli, Shimla.

OUR AWARDS AND RECOGNITIONS

CHITKARA UNIVERSITY, HIMACHAL PRADESH, WINS SILVER AT QUALITY COUNCIL OF INDIA'S D.L. SHAH QUALITY AWARDS

Chitkara University, Himachal Pradesh, has been honoured with the 'Silver Award' at the 12th QCI – DL Shah Quality Awards – 2018, for the case study 'Zero Discharge Environmental Friendly Educational Campus'. The Award recognises Chitkara University's successful Project Organisation, resulting in continuous improvement of processes and services through cost-effective operations model with increased stakeholder satisfaction. Chitkara University is the first University in the country to receive this honour for the case study among 1,000 corporate institutions that participated, to get this recognition, by showcasing the quality standards maintained at their respective premises.

- The QCI-DL Shah Quality Awards have been instituted with a view to promote awareness that performance improvement through quality initiatives is an important element for gaining a competitive edge. We are honoured to be counted among the best for successful Project Organization, and this gives us further motivation and inspiration to continue our best efforts.



Swachhta Award 2018 Book Coverage

<p>Institutional Achievements</p> <p>Swachh campus 2018</p> <p>Department of Higher Education Ministry of Human Resource Development Government of India</p>	<p>Swachh Campus</p> <p>Chitkara University Solan, Himachal Pradesh</p> <p>The Chitkara University, with 2,007 students and 412-teaching & non-teaching staff, has 5 hostels and 2 guest houses with all amenities like safe drinking water, round-the-clock water and electricity supply, Wi-Fi facility, etc.</p> <p>There are toilets, far more than the statutory requirement, on each floor with special provisions for persons with disability. The student-staff ratio in residential area is: Male 01 Female 2:1, while in the academic area, it is 10:1. Our care is being taken to ensure cleanliness of the toilets with proper sanitation & hygiene. There are dedicated housekeeping and maintenance staffs for upkeep of the facilities. Round-the-clock normal water supply and hot water supply through solar plant is also available. Bathrooms are equipped with latest fittings and modern, anti-slip flooring. Exhausts installed have been in each toilet. Mechanized laundry helps in saving water by about 70%.</p> <p>The University is a zero-discharge campus which follows innovative technology for Solid/Liquid Waste disposal. Waste paper recycling plant is available on campus to recycle waste paper and convert it into me papers, file covers, sheets, note pads etc. There are separate bins to segregate dry and wet waste. Garbage is cleared twice a day.</p> <p>Kitchen waste is being processed in vermi compost plant. Weeds, leaves and other garden wastes are deposited in organic pits for generation of compost. Liquid waste generated from washrooms, kitchen, laundry etc. is treated in the Sewage Treatment Plant (STP) inside the campus. Treated wastewater from STP is being reused through double plumbing technique in horticulture.</p> <p>Hygienic pesticide pit collects the residual water from vermi-compost plant, which is used as pesticide.</p>	<p>Swachh Campus</p> <p>Disposal of roof-top rain water in rain water harvesting pits. Waste that cannot be treated or reused in the University is placed in the garbage disposal bins installed by HIM,DA near the University.</p> <p>Household waste and fabricating oil coming out from generator sets are being collected by vendor approved by Government of Himachal Pradesh.</p> <p>The university has automated and modern kitchen with chimney and multiple exhausts. It has well-maintained kitchen apparatus, servers and a cold storage room. Kitchen staff is well-groomed and appropriately dressed. Standardized use of only LPG as the cooking medium. Safe drinking water, round-the-clock running water and mechanized food preparation units are in place. There are regular checks by the Mess Committees. Dining areas exude warmth and lively ambience. Kitchen is FSSAI approved.</p> <p>A dedicated team of horticulturists and gardeners maintain greenery and landscaping in and around the campus, which has 70% green cover. Over 3000 trees have been planted within the campus and equally around the University locations to improve air quality.</p> <p>There is an in-house nursery for growing plants further used for tree plantation drives and for gifting. Hydroponic farming with production of over 18 kg of vegetables per day. There is adequate provision for watering through sprinklers and treated water from the Sewage Treatment Plant is used in horticulture. Protection of the saplings is done through organic pesticides and compost prepared in-house. Plant markers indicating nomenclature, species information is displayed at designated spots.</p> <p>In-house solar power plant produces 120 KW solar power (on-grid). Solar water heaters in hostels have capacity of 21000 liters per day. Solar Photovoltaic lights have been installed within the campus.</p>	<p>Swachh Campus</p> <p>Outcomes</p> <ul style="list-style-type: none"> 5 hostels and 2 guest houses have all amenities like safe drinking water, round-the-clock water and electricity supply, Wi-Fi facility, lift facility. The student-staff ratio in residential area is: Male 01 Female 2:1, while in the academic area, it is 10:1 Round-the-clock normal water supply and hot water supply through solar plant is available. Bathrooms are equipped with latest fittings and modern, anti-slip flooring. Exhausts installed have been in each toilet. Mechanized laundry helps in saving water by about 70%. The University is a zero-discharge campus. Waste paper recycling plant is available on campus to recycle waste paper and convert it into new papers, file covers, sheets, note pads etc. There are separate bins to segregate dry and wet waste. Garbage is cleared twice a day. Kitchen waste is being processed in vermi compost plant. Weeds, leaves and other garden wastes are deposited in organic pits for generation of compost. Liquid waste generated from washrooms, kitchen, laundry etc. is treated in the Sewage Treatment Plant (STP) inside the campus. Treated wastewater from STP is being reused through double plumbing technique in horticulture. Roof-top rain water is let into rain water harvesting pits. Waste that cannot be treated or reused in the University is placed in the Garbage Disposal Bin installed by HIM,DA near the University. The university has automated and modern kitchen with chimney and multiple exhausts. Safe drinking water, round-the-clock running water and mechanized food preparation units are in place. The campus has 70% green cover. Over 3000 trees have been planted within the campus and equally around the University locations to improve air quality. There is an in-house nursery for growing plants further used for tree plantation drives and for gifting. Hydroponic farming is in place with production of over 18 kg of vegetables per day. There is adequate provision for watering through sprinklers using treated water from the Sewage Treatment Plant. In-house solar power plant produces 120 KW solar power (on-grid). Solar water heaters in hostels have capacity of 21000 liters per day. Solar Photovoltaic lights have been installed within the campus.
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UNNAT BHARAT ABHIYAN

Plastic v/s Paper Bags







उन्नत भारत अभियान → अजी स्थायी भाग में हैं

उन्नत भारत अभियान
UNNAT BHARAT ABHIYAN

शिक्षित भारत-स्वस्थ भारत- स्वच्छ भारत-स्वावलम्बी भारत-संपन्न भारत

सभी को मिलाकर गांवों के विकास के लिए
ज्ञान, अनुभव और संसाधन का समन्वय : ग्रामीण विकास के लिए


अधिक खेती


जल प्रबंधन


कारिगर, उद्योग और आजीविका


साधारण सुविधाएं


स्थायी उर्जा

भाग लेने के लिए निम्न/ग्रामीण विकास में योगदान

- उन्नत भारत अभियान, मानव संसाधन विकास मंत्रालय, भारत सरकार का एक प्रमुख कार्यक्रम है।
- देश के उच्च शिक्षण संस्थान, गांवों को विकास के लिए, अपने पास के गांवों को गोद लेते हैं।
- संकाय और छात्रों को जिला प्रशासन के सहयोग से ग्राम विकास योजना में शामिल होना है।
- —आपने संस्थान का नाम लिखें—, उन्नत भारत अभियान में भाग ले रहा है और जिला प्रशासन के सहयोग से उनके विकास के लिए निम्नलिखित गांवों को अपनाया गया है:

१. गुणई २. कोट बेजा ३. शाराज ४. कलरवाली ५. नावकपुर

गांवों में आधारभूत परिवर्तन लाने के लिए, उन्नत भारत अभियान सेन, सभी संकाय और छात्रों को अभियान से जुड़ने के लिए आमंत्रित करता है। उन्नत भारत अभियान, प्रतिदिनियों में भाग लेने के लिए, कृपया नीचे लिखे समन्वयक से संपर्क करें।

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INHOUSE INITIATIVES TOWARDS SWACHH BHARAT ABHIYAN

Name, address of Institution with state and district of location

Chitkara University, Atal Shiksha Kunj, Atal Nagar, Barotiwala, District Solan, Himachal Pradesh

Student strength, faculty strength

2520 students and 470 teaching & non-teaching staff members

Number of hostels and modernity of toilets and water supply system

- The University has 5 hostels and 2 guest houses with occupancy of over 1200 students and staff with all amenities like safe drinking water, round the clock water and electricity supply, Wi-Fi facility, Lift facility.
- Adequate number of toilets, more than the statutory requirement on each floor with special provisions for person with disability.
- Student Toilet Ratio in residential area is ; Male 6:1 Female 2:1 and in the academic area it is 10:1. Due care is being taken to ensure proper maintenance and cleanliness of toilets for sanitation & hygiene.
- Dedicated housekeeping and maintenance team of the University to upkeep the facilities.
- Round the clock normal water supply and the hot water supply through solar pannels is also available.
- Bathrooms are equipped with latest fittings and modern, anti skid flooring. Exhausts installed in each toilet.
- Mechanized laundry helps in saving water by about 70%



System for technology in place for solid and liquid waste management

The University is a zero discharge campus which follows Innovative Technology for Solid/Liquid Waste Disposal. The major processes followed by the University for disposal of solid waste are as follows:

- Waste Paper recycling plant is available on campus to recycle waste paper and convert it into new papers, file covers, sheets, note pads etc.
- Separate bins to segregate dry and wet waste, where the frequency of the garbage clearance is twice a day.
- Kitchen waste is being processed in Vermin Compost Plant. Weeds, leaves and other garden waste are deposited in organic pits for generation of compost.
- Liquid waste generated from washrooms, kitchen, laundry etc. is treated in the Sewage Treatment Plant (STP) inside the campus.
- The Treated wastewater coming from STP is being reused through double plumbing technique in horticulture.
- Organic pesticide pit collects the residual water from Vermin Composting Plant– which is used as pesticide.
- Disposal of roof top rain water in Rain Water Harvesting pits.
- Waste that cannot be treated or reused in the University is placed in the Garbage Disposal Bins installed by HIMUDA near the University.
- Biomedical waste and lubricating oil coming out from generator sets are being collected by the vendors approved by government of Himachal Pradesh.



INHOUSE INITIATIVES TOWARDS SWACHH BHARAT ABHIYAN

Hostel kitchen facilities

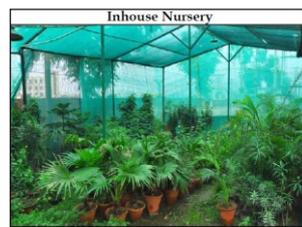
Automated and modern kitchen with chimney and multiple exhausts, well-maintained kitchen apparels, servers and a cold storage room. Kitchen staff is well groomed and appropriately dressed. Standardized use of only LPG as the cooking medium. Safe drinking water, round the clock running water, mechanized food preparation units. Regular checks by the Mess Committee. Dining areas exude warm and lively ambience. Dedicated staff in the kitchen and dining areas for maintenance of hygiene and cleanliness. Kitchen is **fssai** approved.



Campus greenery

A dedicated team of horticulturist and gardeners to upkeep the greenery and landscaping in and around the campus, which covers more than 70% green area. Over **3000 trees** have been planted within the campus and equally around the University locations to improve air and noise environment.

- **In-house nursery** for growing plants further used for tree plantation drives and for gifting.
- **Hydroponic Farming** with production of over 18 kgs of vegetables per day.
- Adequate provision for watering through sprinklers and treated water from the Sewage Treatment Plant is used in horticulture.
- Protection of the saplings is done through organic pesticides and compost prepared in-house.
- Plant markers indicating nomenclature, species information is displayed at the designated spots.
- Pollination of many flowering plants, thus increasing the yield of certain crops through Bee Keeping on campus.



Solar Power

- In house, Solar Power Plant for producing 320 KW solar power (on-grid).
- Solar water heaters in hostels with capacity of 21000 liters per day.
- Solar Photovoltaic Street lights within the campus.



INHOUSE INITIATIVES TOWARDS SWACHH BHARAT ABHIYAN

Name of village or neighborhood adopted by institution with district name

The University has adopted 5 villages which includes village Kot Beja, Gunnai, Kalranwali, in Sheran District Solan, Himachal Pradesh and Nanakpur in District Panchkula, Haryana

Number of people or families covered by effort

Over 16000 people are covered under various community services.

Bring out in one para the type of intervention undertaken in area, the condition of the place before and after your intervention

A number of activities are organized on regular basis within the campus and in the nearby areas to contribute to a clean and healthy environment and towards the accomplishment of the following objectives:

- Eradication of open defecation
- Conversion of insanitary toilets into pour flush toilets
- Eradication of manual scavenging
- Making people aware of healthy sanitation practices through behavioural changes
- Generating public awareness through programmes of sanitation and public health
- Scientific processing, disposal reuse and recycling of Municipal Solid Waste

Pictures to demonstrate activity undertaken picture should also show people of area along with type of work taken up.



CHITKARA
UNIVERSITY



HIMACHAL PRADESH



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