

# ENVIRONMENT AUDIT REPORT



## Ranchi University, Ranchi

834001

Jharkhand



### Abhinav Gram Foundation: Eco-Services

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## 1.0 ACKNOWLEDGEMENT

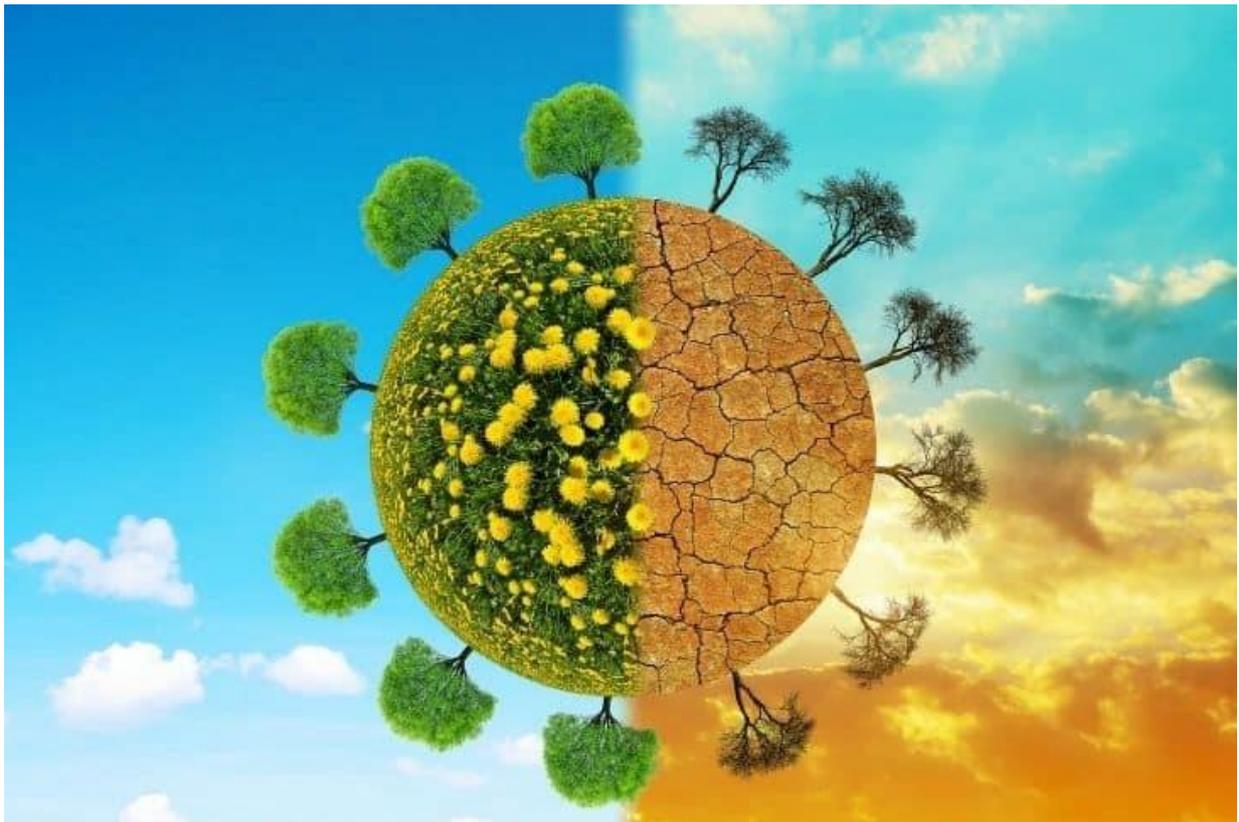
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Abhinav Gram Foundation – Eco-Services Green Audit Team thanks the management of **Ranchi University, Ranchi** for assigning this important work of Green Audit (Environmental Audit). We appreciate the co-operation to our team for completion of green audit.

Our special thanks are due to:

- |                                    |                          |
|------------------------------------|--------------------------|
| ▪ Hon'ble Vice Chancellor :        | Prof. (Dr.) Kamini Kumar |
| ▪ Director, IQAC :                 | Prof. (Dr.) G. S. Jha    |
| ▪ IQAC member (Dept. of Zoology) : | Dr. Anand Kumar Thakur   |
| ▪ IQAC member (Dept. of Zoology) : | Dr. Neeta Lal            |
| ▪ IQAC member (Dept. of Zoology) : | Dr. Rohit Srivastava     |
| ▪ IQAC member (Dept. of Botany) :  | Dr. Binod Kumar Mahto    |
| ▪ IQAC member (Dept. of Botany) :  | Dr. Sameer Gunjan Lakra  |

For giving us necessary inputs to carry out this vital exercise of Green Audit (Environment Audit). We are also thankful to staff members who were actively involved while collecting the data and conducting field measurements. A special thanks is due to Prof. Smriti Singh of PG Department of Chemistry for coordinating and supporting our exercises.



Mitigate Global Warming

## 2.0 CERTIFICATE



(Green Certificate issued to Ranchi University, Ranchi after Audit)

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## 3.0 DISCLAIMER

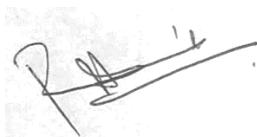
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Abhinav Gram Foundation – Eco-Services Green Audit Team has prepared this report for **Ranchi University, Ranchi** based on input data submitted by the representatives of the University complemented with the best judgment capacity of the expert team.

It is further informed that the conclusions are arrived following best estimates and no representation, warranty or undertaking, express or implied is made and no responsibility is accepted by Audit Team in this report or for any direct or consequential loss arising from any use of the information, statements or forecasts in the report.

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Report by: (Ram Pratap Singh), IFS Retd.  
**Lead Auditor**  
**Abhinav Gram Foundation Eco Services**

## 4.0 CONTEXT

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We are committed as a component of Corporate Social Responsibility of the Higher Edifying Institutions to ascertain that they contribute towards the minimization of ecumenical warming through Carbon Footprint abbreviation measures.

Ranchi University, Ranchi management decided to conduct an external Green Evaluation by a competent Green Auditor along with a Green Audit Assessment Team headed by Hon'ble Vice Chancellor Prof. (Dr.) Kamini Kumar, **Ranchi University, Ranchi.**

Green Audit or Environment Audit focuses on the Green Campus, **Waste Management, Water Management, Air Pollution, Energy Management & Carbon Footprint** etc. being implemented by the University Management. The concept, structure, objectives, methodology, tools of analysis, objectives of the audit are mentioned below.

## 5.0 CONCEPT

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The term 'Environmental audit' or 'Green audit' means differently to different people. Terms like 'assessment', 'survey' and 'review' are also used to describe similar activities. Furthermore, some organizations / Institutions believe that an 'Environmental Audit' addresses only environmental matters, whereas others use the term to mean an audit of health, safety and environment-related matters. Although there is no universal definition of Green Audit, many leading companies / institutions follow the basic philosophy and approach summarized by the broad definition adopted by the International Chambers of Commerce (ICC) in its publication of Environmental Auditing (1989).

The ICC defines Environmental Auditing as:

***“A management tool comprising a systematic, documented, periodic and objective evaluation of how well environmental organization, management and equipment are performing with the aim of safeguarding the environment and natural resources in its operations / projects.”***

The outcome of Green Audit should be established with concrete evidence that the measures undertaken and facilities in the institution under green auditing.

## 6.0 INTRODUCTION

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A Nation's growth starts from its educational institutions, where the ecology is taught as a prime factor of development associated with environment. Educational institutions now a days are becoming more sensitive to environmental factors and more concepts are being introduced to make them eco-friendly. To preserve the environment within the campus, various viewpoints are applied by the several educational institutes to solve their environmental problems such as promotion of the energy savings, recycle of waste, water reduction, water harvesting *etc.*. The activities pursued by institutes can also create a variety of adverse environmental impacts.

Environmental auditing is a process whereby an organization's environmental performance is tested against its environmental policies and objectives. Green audit is defined as an official examination of the effects an institute has on the environment. As a part of such practice, internal environmental audit (Green Audit) is conducted to evaluate the actual scenario at the campus.

Green audit can be a useful tool for a University to determine how and where they are using the most energy or water or resources; the institute can then consider how to implement changes and make savings. It can also be used to determine the type and volume of waste, which can be used for a recycling project or to improve waste minimization plan. Green auditing and the implementation of mitigation measures is a win-win situation for all the institutes, the learners and the planet. It can also create health consciousness and promote environmental awareness, values and ethics. It provides staff and students better understanding of Green impact on campuses.

Green auditing promote financial savings through reduction of resource use. It gives an opportunity for the development of ownership, personal and social responsibility for the students and teachers. Thus it is imperative that the University evaluate its own contributions toward a sustainable future. As environmental sustainability is becoming an increasingly important issue for the nation, the role of higher educational institutions in relation to environmental sustainability is more prevalent.

A clean and healthy environment aids effective learning and provides a conducive learning environment. There are various efforts around the world to address environmental education issues.



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## 7.0 OVERVIEW OF RANCHI UNIVERSITY

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Ranchi University came into existence on the 12th of July, 1960 as a teaching-cum-affiliating University with headquarters at Ranchi. At the time of inception Ranchi University covered whole of present day Jharkhand, except Santhal Parganas. In 1992, Ranchi University was bifurcated to create Vinoba Bhave Ranchi University, reducing its area by nearly half. In 2009 Ranchi University was divided twice – in January to create Nilambar Pitambar University, at Medininagar, and in August 2009 to create Kolhan University, at Chaibasa. At present, Ranchi University spans five districts of Jharkhand, namely, Ranchi, Gumla, Khunti, Simdega and Lohardaga.



Old Campus of Ranchi University at Shaheed Chowk – Kutchery Road

## *Environment Report*

The University today has 14 Constituent Colleges, and 55 affiliated colleges/ institutes. They include Medical College, Engineering College, Law College, Institutes of Management, Institute of Psychiatry, Colleges imparting Bachelor of Education and Nursing etc.

Right since its inception Ranchi University has been alive to the ever increasing demands of Higher Education. Keeping pace with changing times, Ranchi University today offers a number of vocational courses in various streams in addition to the traditional courses. Some of the courses offered by Ranchi University are as follows In the Faculty of Arts (Humanities & Social Sciences).

In terms of introducing updated technology in enriching the infrastructural facilities, the university has made significant progress that may be exemplified by full automation on its central library equipped with nearly two lac books, in FLIB, NET and reprographic facilities. Here, students and scholars get a very healthy environment where they can access around 4000 National and International journals till late hours at night. There is a big auditorium where lectures of eminent personalities are organized time to time that benefit the students in multiple ways, It provides an interactive platform that helps students groom properly.

Keeping in view the linguistic richness of Jharkhand state, where many tribal and regional languages exist, this University is constantly effortful in the direction of promoting these languages. In the University, there are nearly 50,000 tribal students who use these languages as their mother tongue. The university provides facility of teaching and research up to PG and Doctoral levels in major tribal and regional languages. Three highly updated language labs have been established in the University that will help sharpen and chisel linguistic competence of the students. The University also strives to extend every possible support to the tribal students to make them self-dependent. The students of BPL category are provided with all the admissible benefits. Special coaching classes are arranged for SC, ST and minority students in order to bring to the mainstream the poor and marginalized. Recently the University has started centre for Legal Studies and Foreign Language and also has initiated courses in film making and production. Its Yoga centre is performing well in tune with the wellness campaigns of the Aayush Ministry of Government of India. The NSS and NCC wings remain engaged in carrying out their responsibilities earnestly. This University has excelled in sports and cultural activities as many of the students have won national and international level awards especially in archery and hockey. Two of the students of the university were also a part of the Olympics 2021. Recently, the University has decided

# Environment Report

to introduce three new courses in medical science, aircraft maintenance and air-hostess, crew management and Cyber Crime.



(Greenery within the Ranchi University Campus)

## COURSES OFFERED

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The following courses are offered by the University

**Faculty of Science :** B.Sc. (Vocational), M.Sc., M.Phil & Ph.D. and Post Doc Research Program

**Faculty of Humanities :** M.A. M.Phil and Ph.D. Programme

**Faculty of Social Science:** B.A. (Vocational), M.A. M.Phil and Ph.D. Programme

**Faculty of Commerce:** M.Com., M.Phil and Ph.D. Programme

**Faculty of TRL :** BBALLB (H) & LLM (Under VOC)

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## Post Graduate Vocational Courses (Self-Financing)

M.Sc. in Electronics and Communication	M.A. in Fashion Design & Management
M.A. in Film Studies and Production	L.L.M.
M.Sc. in Environmental Science	M.C.A.
M.Sc. in Biotechnology	M.A. in Jyotirvigyan
M.A. in Archeology and Museology	M.B.A.
M.A. in Rural Development	
M.A. in Public Administration	M.A. in Human Rights
M.A. in Performing Fine Arts (Dance, Music, Fine Arts and Theater)	M.A. / M.Sc. in Yoga
M.A. / M.Sc. in Clinical Psychology	M.A. in Journalism & Mass Communication

## Post Graduate Diploma

1. Medicinal Plant
2. Guidance and Counselling
3. Yoga, Forestry, Wild Life and Climate Change
4. Biotechnology



Department of Yoga in Ranchi University, Ranchi



( Yoga Meditation )

## 8.0 OBJECTIVES AND SCOPE

The broad aims / objectives of the eco-auditing is

- Environmental education through systematic environmental management approach
- Improving environmental standards
- Benchmarking for environmental protection initiatives
- Sustainable use of natural resources in the University campus.
- Financial savings through a reduction in resource use
- Curriculum enrichment through practical experience
- Development of ownership, personal and social responsibility for the University campus and its neighboring environment
- Enhancement of University profile
- Developing an environmental ethic and value systems in young people

## 9.0 AUDIT PARTICIPANTS

On behalf of Ranchi University :

Name	Position/Department
Prof. (Dr.) Kamini Kumar	Hon'ble Vice Chancellor
Prof. (Dr.) G. S. Jha	Director, IQAC
Dr. Anand Kumar Thakur	Green Audit member & University Dept. of Zoology
Dr. Neeta Lal	Green Audit member & University Dept. of Zoology
Dr. Rohit Srivastava	Green Audit member & University Dept. of Zoology
Dr. Binod Kumar Mahto	Green Audit member & University Dept. of Botany
Dr. Sameer Gunjan Lakra	Green Audit member & University Dept. of Botany

On behalf of Abhinav Gram Foundation – Eco-Services

Name	Position	Qualification
Ram Pratap Singh	Lead Auditor	IFS Retd., M.Sc.-Life Sciences, AIFC-ICFRE, Dehradun
Er. Pramod Kumar	Co- Auditor	B.Tech., MBA (IIT Dhanbad)
Er. Dilip Shrivastava	Co- Auditor	B.Tech., FIE, PHF

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(Green Audit Team of Ranchi University and Abhinav Gram Foundation : ECO Services Deliberating Under the Chairmanship of Hon'ble Vice Chancellor Prof. (Dr.) Kamini Kumar at IQAC, R.U. Ranchi)



( Mitigate Climate Change )

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# 10.0 EXECUTIVE SUMMARY

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An Environmental Audit is a snapshot in time, in which one assesses campus performance in complying with applicable environmental laws and regulations. Though a helpful benchmark, the audit almost immediately becomes outdated unless there is some mechanism in place to continue the effort of monitoring environmental compliance.

Ranchi University, Ranchi have already done Internal Green Assessment and Annual Reports published for continual improvements; QS Programme and doing their bid towards environmental protection and environmental awareness at local and global front. Audit criterion is environmental cognizance, waste minimization and management, biodiversity conservation, water conservation, energy conservation and environmental legislative compliance by the campus. A questionnaire is used during audit. This audit report contains observations and recommendations for improvement of environmental consciousness.



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# 11.0 AREAS OF IMPROVEMENT

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- Environment Policy to be adopted by Ranchi University, Ranchi management.
- Water Meter should be installed and maintain the inventory of ground water extraction resource bore well.
- Stack height of DG set should be as per DG Rules
- Storage of chemicals like; paints, gums resins, oils, lubricants, acids etc. in designated place and safety/warning signs should be displayed.
- Incinerators should be provided to manage sanitary waste.
- Internal Inspection System should be developed for various aspects of environment through IQAC working in the campus.
- Waste Management plan should be prepared for the campuses.
- Display of Environmental Awareness Posters / Indoor Plants should be there in the prominent areas of campus.

## 12.0 ENVIRONMENTAL AUDIT - QUESTIONNAIRE

The areas of eco / environmental / green auditing to be followed / practiced by participating University:

- 12.1.1 Waste Minimization and Recycling
- 12.1.2 Greening
- 12.1.3 Energy Conservation
- 12.1.4 Water Conservation
- 12.1.5 Clean Air
- 12.1.6 Animal Welfare
- 12.1.7 Environmental Legislative
- 12.1.8 General Practices

### Does any Environmental Audit conducted earlier?

Although the University has an ECO club that keep eyes on environmental issues within the University campus and its neighboring area. In that way, this club maintains regular internal monitoring of the environmental issues along with IQAC cell of the University.

Now, the External Audit for Environment has been awarded to Abhinav Gram Foundation – Eco-Services, Ranchi for a systematic way of monitoring the environmental eminence initiative, taken by Ranchi University, Ranchi for environmental protection.

### What is the total permanent population of the Institute?

	Male	Female	Total
<b>Students</b>	2931	4927	<b>7858</b>
<b>Teachers</b>	122	100	<b>222</b>
<b>Non-Teaching Staff</b>	215	73	<b>288</b>
<b>Sub Total</b>	3268	5100	<b>8368</b>
<b>Approximate Number of Visitors (Per day)</b>			<b>250</b>
<b>What is the total number of working days of your campus in a year?</b>			<b>224</b>

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## Where is the campus located?

Ranchi University, Ranchi is located in the heart of the capital city of Jharkhand. It's first campus is located at Kutchery Road, in front of Shaheed Chowk, where the Office of Hon'ble Vice Chancellor is located. It's another campus in large area is situated near Morabadi Ground where Aryabhata Auditorium, Basic Science building and all PG Departments are located. The latitude and longitude of the Ranchi University of Morabadi campus is 23.387442° N and 85.320725° E respectively.



## Which of the following are available in your University?

1 Garden area	Available
2 Play ground	Available
3 Kitchen	Available
4 Toilets	Available
5 Garbage Or Waste Store Yard	Available
6 Laboratory	Available
7 Canteen	Available
8 Hostel Facility (numbers)	Available
9 Guest House	Available



# Environment Report

Which of the following are found near your University?

1	Municipal dump yard	Available
2	Garbage heap	No Garbage heaps
3	Public Conveyance	Yes
4	Sewer line	NA
5	Stagnant water	No stagnant water
6	Open drainage	No
7	Industry – (Mention the type)	University being located in the heart of city there is no industry nearby.
8	Bus / Railway station	Bus stand is situated far away at ITI Bajra, Kantatoli – Khadgara and Govt. Depo at Ranchi Railway station. Ranchi has two major railway stations named – Ranchi Junction and Hatia Junction.
9	Public halls	Yes



Tree Plantation by Hon'ble Vice Chancellor of Ranchi University

**12.1 WASTE MINIMIZATION AND RECYCLING**

<p>1. Does your university generate any waste? If so, what are they?</p>	<p>Yes, Solid waste, Canteen waste, paper waste, plastic waste, toiletry waste, Horticulture Waste, etc.</p>											
<p>2. What is the approximate amount of waste generated per day? (in Kilograms/month) (approx.)</p>	<table border="1"> <tr> <td>Bio Degradable</td> <td>Non-Biodegradable</td> <td>Hazardous</td> <td>others</td> </tr> <tr> <td>4820 kg</td> <td>500 kg</td> <td>50 kg</td> <td>&lt;100kg</td> </tr> </table>	Bio Degradable	Non-Biodegradable	Hazardous	others	4820 kg	500 kg	50 kg	<100kg			
Bio Degradable	Non-Biodegradable	Hazardous	others									
4820 kg	500 kg	50 kg	<100kg									
<p>3. How is the waste generated in the University managed? By</p> <ol style="list-style-type: none"> <li>1 Composting</li> <li>2 Recycling</li> <li>3 Reusing</li> <li>4 Others (specify)</li> </ol>	<p>25 composting pits are there in campus, Reuse of one side printed Paper for internal communication. Sewage water is discharged to soak pits near toilets. Domestic Waste is given to Municipal Corporation. Two types of Waste bins are provided at campus for biodegradable and non-biodegradable waste. Horticulture waste is converted into compost and vermicompost and leftover is given to the municipal corporation.</p>											
<p>4. Do you use recycled paper in the University?</p>	<p>Yes, in academic evaluation works</p>											
<p>5. Do you use reused paper in the University?</p>	<p>Yes</p>											
<p>6. How would you spread the message of recycling to others in the community? Have you taken any initiatives? If yes, please specify.</p>	<p>Yes, ECO club carries out numerous activities. Recycling campaigns, e-waste management, Anti- plastic campaigns, Vriksharopan (Tree Plantation), sustainable development goal awareness programme.</p>											
<p>7. Can you achieve zero garbage in your University? If yes, how?</p>	<p>Yes, all the bio-degradable waste may be converted to compost which, later on, will be used in its park and gardens. Also, many non-degradable materials may also be reused.</p>											

**12.2 GREENING THE CAMPUS**

8.	<b>Is there a garden in your University?</b>	Yes, University has a large number of gardens in its various campuses. Most of the PG Department has its own enclosed garden, water body regularly maintained by gardeners. In last twenty years, University has regularly created greenery at the initiative of Hon'ble Vice Chancellor, who has taken keen interest in promoting environment in collaboration with forest environment and climate change department.	
9.	Do students spend time in the garden?	Yes	
10.	Total number of Plants in Campus	Plant type	Approx. number
		Trees	More than 13,880
		Shrubs	More than 5,000
		Grass Cover	approx. 20 acres
11.	Suggest plants for your campus. (Trees, vegetables, herbs, etc.)	Ashoka, Ficus, Peepal, Neem, Arjun, Moulshree, Sita Ashok, Thuja, Date Palm, Mango, Bel, Amla, Guava, and many more as per geographical conditions.	
12.	Does the University campus have any Horticulture Department	Presently NO but University administration has agreed to create park and garden wing to maintain its greenery.	
	Number of Staff working in Horticulture Department	15-20 gardeners / Security staffs maintain the greenery.	
13.	Number of Tree Plantation Drives organized by University per annum. (If Any)	Yes, 3-4 times regular tree plantation drives are organized annually under which, more than 250 plants are planted in an	

# Environment Report

		academic year
14.	Number of Trees Planted in Last FY.	250
	Survival Rate	75%
15.	Plant Distribution Program for Students and Community	Yes, seedlings are collected from forest department nurseries on subsidized rates and are distributed to visiting guests and communities at various green occasions.
16	Plant Ownership Program	No



(Tree Plantation drive in the Ranchi University Campus)

## 12.3 ENERGY

17.	List few ways that you use energy in your <u>University</u> . (Electricity, LPG, firewood, others). Using this list, try to think of ways that you could use less energy every day.	Electricity is saved by use of LED bulbs for illumination. LPG is saved by use of Pressure cookers for cooking food. Alternate source of energy i.e. Solar Panel Installed in Administrative building, central library, HRDC, EDPC, IMS, Basic science building, Applied science building. Total solar energy production is 7017.4 kW in the last FY 21-22. More such projects are underway in other campuses as well. Use of natural lights and natural ventilation are encouraged.
18.	Are there any energy saving methods employed in your institute? If yes, please specify. If no, suggest some	Yes, Renewable source of energy through solar plant (7017 kW annually) at several different locations (Administrative building, central library, HRDC, EDPC, IMS, Basic science building, Applied science building) are installed. Use of Natural Lights and Natural Ventilation are encouraged.
19.	How many CFL/LED bulbs has your University installed ?	70 % of Total Conventional bulbs has been replaced by LED Lights.
20.	Are any alternative energy sources employed / installed in your University? (photovoltaic cells for solar energy, windmill, energy efficient stoves, etc.,) Specify.	Yes, photovoltaic cells for solar energy, energy efficient stoves are in operation.
21.	Do you run "switch off" drills at University ?	Yes
22.	Are your computers and other equipment's put on power-saving mode ?	Yes, It's being practiced regularly.

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<p><b>23.</b> Does your machinery (TV, AC, Computer, weighing balance, printers, etc.) run on standby modes most of the time? If yes, how many hours?</p>	<p>No</p>
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**Solar Panels installed within the campuses of Ranchi University**



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## Power consumption details

All the energy generated through solar panels are given to Jharkhand Bijli Vitran Nigam Limited (JBVNL). Energy produced through solar panels suffice the day to day need of the various departments and University don't have to pay any money on the account of electricity consumption.



Solar Panel installed at University



Solar Panel installed at University

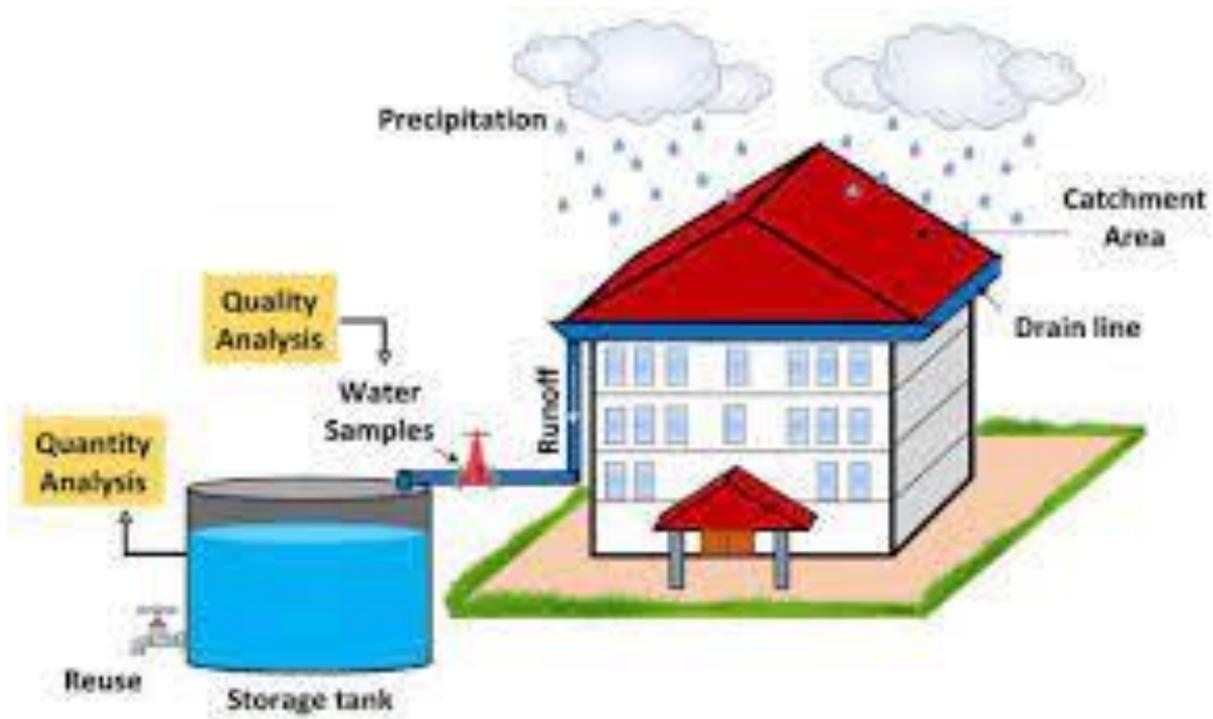


**12.4 WATER CONSERVATION**

24.	List uses of water in your University	Basic usage of water in campuses are Drinking, Gardening, Kitchen, Laboratories, Toilets etc. And total consumption is 864 KL/month
25.	How does your University store water? Are there any water saving techniques followed in your University?	Water is supplied through bore well at several locations and distributed using overhead tanks. We avoid overflow of water through control valves provided in water supply system.
26.	If there is water wastage, specify why and how can the wastage be prevented / stopped?	Water leakages are immediately attended by authorized plumbers of University to conserve water.
27.	Locate the point of entry of water and point of exit of waste water in your University.	Entry- Ground water Exit- From Water Drainage System to rain water harvesting system and some amount is drained in the drainage system.
28.	Write down few ways that could reduce the amount of water used in your University	By Following ways: 1. RWH, Close the taps after usage. Also by stopping leakages. 2. Maintenance and monitoring of valves in supply system to avoid overflow, leakage and spillage 3. Water Conservation awareness for students, faculties, staffs and residents of the hostels.
29.	Record water use from the University water meter for six months (record at the same time of each day). At the end	As the water is supplied through bore well and no water meters are installed, therefore, accurate

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	of the period, compile a table to show how many liters of water have been used.	estimate of water consumption data is not available. We propose to install water meter in future.
30.	Does your University harvest rain water?	Most of the new buildings constructed during last two decades have RWH systems that take care of rain water wastage.
31.	Is there any water recycling system.	Yes, RO waste water is stored in tank and reused for cleaning and gardening purpose.



(Symbolic rain water harvesting system)



**12.5 CLEAN AIR**

<b>32</b>	<b>Are the Rooms in Campus well ventilated?</b>	<b>Yes</b>				
<b>33</b>	Window Floor ratio of the Rooms	<b>Excellent</b>				
<b>34</b>	Provide details of University owned motorized vehicles?	Buses	Cars	Vans	Other	Total
	No. of vehicles	00	09	01	02	12
	No. of vehicles more than five years old	--	1	--	--	1
	No. of Air conditioned vehicles	0	9	0	0	9
	PUC done	Y	Y	Y	Y	Y
<b>35</b>	Specify the type of fuel used by your University vehicles:	Total (Private + University owned)				
	Diesel	25				
	Petrol	269				
	CNG	0				
	LPG	--				
	Electric	02				
<b>36</b>	Air Quality Monitoring Program if Any	No monitoring is being done				
<b>37</b>	Do students suffer from respiratory ailments?	Few of the students suffer from respiratory ailments due to available suspended particles and pollens.				
<b>38</b>	Details of Genset	Yes, 4 Number of Genset. Kirloskar brand, green power (160 kVA) with adequate stack height				

**12.6 ANIMAL WELFARE**

39	List the animals (wild and domestic) found on the campus (dogs, cats, squirrels, birds, insects, etc.)	More than 500 squirrels are found in the campus. Approx. 100 dogs, 60 cats, 20 fox, 25 cows, 15 buffalos, snakes, lizards and others including butterflies, insects, bees, earthworms, etc. are there in campus. Also, several different kinds of birds are abundant. Due to forest in the campus and the greenery, we have good number of Avian population.
40	How many dogs in your area have undergone Animal Birth Control - Anti Rabies (ABC - AR)?	40
41	Does your University have a Biodiversity Programme or a KARUNA CLUB?	Our Eco club takes care of bio-diversity conservation program through its volunteers headed by Faculty Members.

**12.7 ENVIRONMENTAL LEGISLATIVE COMPLIANCE**

42	Are you aware of any Environmental Laws pertaining to different aspects of environmental management?	Yes
43	Does your University have any rule to protect the environment? List possible rules you could include.	They have banned single use plastic. Their environment policy includes awareness, and environmental conservation efforts through Eco club and various Departments.  All Under Graduates and Post Graduate are studying the paper of Environmental Sciences, prescribed by UGC course. University has Post Graduate Vocational Course – M.Sc. in Environmental Science.

## Environment Report

44	Does Environmental Ambient Air Quality Monitoring conducted by the University?	NA
45	Does Water and Waste water Quality monitoring conducted by the University?	Yes
46	Does stack monitoring of DG sets conducted by the University	Yes, as per DG set rules by the University.
47	Is any warning notice, letter issued by State Government bodies?	No
48	Does any hazardous waste generated by the University?	No
49	Does any Bio-medical waste generated by the University? If yes, explain its category and disposal method	Yes, Bio-medical waste are generated by RIIMS, Govt. Dental College (RIIMS campus) and Nursing Institutes running under the administrative control of RU. They dispose the bio-medical waste as per the guidelines set by the Central Pollution Control Board and monitored by Jharkhand State Pollution Control Board, Ranchi.



**( Plant Tree : Save Earth )**

## 12.8 GENERAL

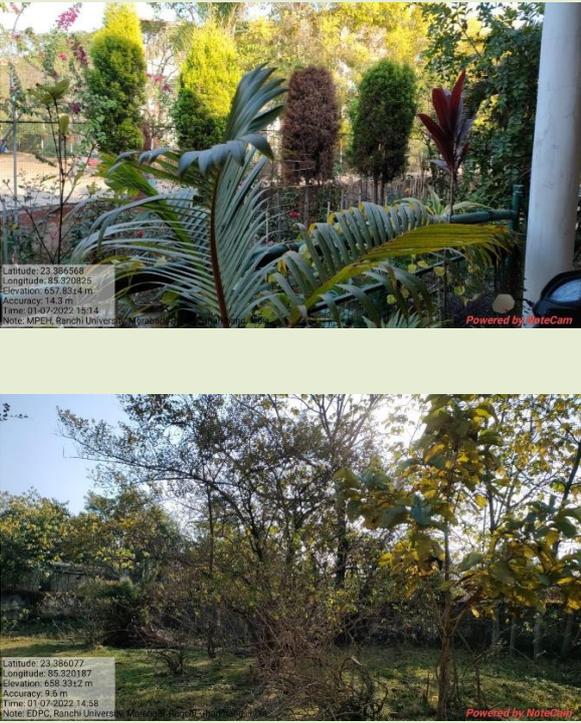
50	Are you aware of any Environmental Laws pertaining to different aspects of Environmental Management?	Yes
51	Does your University have any rule to protect the environment? List possible rules you could include.	Yes, there are some rules like banning of single used plastics. Their Environmental Policy includes awareness and environmental conservation observed by the students and staffs equally.
52	Does housekeeping schedule maintained in your University campus?	Yes, Swachh Bharat movement program is implemented regularly.
53	Are students and faculties aware of environmental cleanliness ways? If Yes, explain	Yes, periodically pollution reduction, plantation, energy conservation awareness, water conservation campaigns are carried out by eco club and various Departments of the University.
54	Does Important Days Like World Environment Day, Earth Day, and Ozone Day etc. are celebrated by University?	Yes. Various Departments like Botany, Zoology, Geology etc. observe these environmental friendly celebrations around the year.
55	Does University participate in National and Local Environmental Protection movement?	Yes, Swachh Bharat Abhiyan by students of the University through their NSS volunteers and NCC cadets.
56	Does University have any Recognition /Certification for environment friendliness?	No
57	Does University use renewable energy?	Yes, University has commendable infrastructure for generation of solar power and they are almost self-sufficient in their power generation.
58	Does University conduct a green / environmental audit of its campus?	Yes, IQAC cell has conducted Internal Green Audit and the External Green

# Environment Report

		Audit has been entrusted to Abhinav Gram Foundations.
59	Has the University been audited / accredited by any other agency such as NABL, NABET, TQPM, NAAC etc.?	Yes, Ranchi University has been accredited by NAAC and granted B++ Grade.



## 13.0 BEST PRACTICES/ INITIATIVES FOR ENVIRONMENT

<p><b>A Renewable Energy</b></p> <p>Solar panel installed at various Departments of Ranchi University, Ranchi is a clean source of energy being utilized by it. It is a great initiative towards Carbon neutrality. Green energy produced by the solar panels is provided to JBVNL grid and in lieu of that JBVNL provides electricity without any charges.</p> <p>The capacity of 7017 KW (annual) Solar energy production on building rooftops are operational, regularly maintained which provides clean energy.</p>	
<p><b>B Biodiversity Conservation</b></p> <p>Flora and Fauna conservation in Ranchi University:</p> <p>They have lush green campuses which provides habitat to various species. Recently conducted bird count reports Indian Peafowl, Paraqueets, Sunbird, Black kite, House crow, Humes wasbler, Large billed crow, Woodpecker, Jungle babler, Roofers treepie, Common tailor bird, Eurasian collar dove, Oriental Magpie Robin, Bulbul, Green bee eater, Brown headed green barbet, Brahmini Starling, Paro cistatus, Indian Robin.</p> <p>Ranchi University is abundant in flora with the dominance of <i>Dalbergia sisoo</i>, <i>Dypsis</i> spp., <i>Thevetia</i>, <i>Broussonetia paprifera</i>, <i>Dracaena</i>, <i>Euphorbia</i> etc.</p>	

# Environment Report

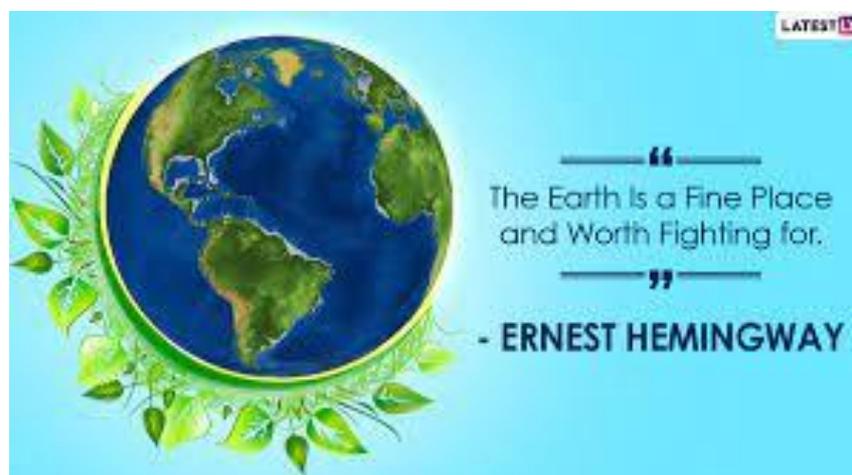
C	<p><b>Tree Plantation Drives</b></p> <p>Regular tree plantation drives all-round the year are carried out by University authorities, students and faculties to make green campus on various ecological occasions.</p>	
d	<p><b>Ground Water Recharge</b></p>	<p>Rain water harvesting is being done at several places and the rainfalls are collected from the sloping roofs and flat surfaces. Ground water is also being recharged through various ponds and marshy low lands present in the campus which is a good place for the breeding of birds.</p>
E	<p><b>Pollution Reduction</b></p> <p>Students are discouraged to keep power driven vehicles and faculties and staff are encouraged to use bicycle within the campus.</p>	
F	<p><b>E Waste Management</b></p> <p>Collection of e-waste from various departments.</p>	<p>E waste is regularly collected by the University staffs and disposed of as per the rules of pollution control authorities and Ranchi University.</p>
G	<p><b>Solid Waste Management</b></p> <p>Lifting of garbage from various campus on regular basis by Ranchi Municipal Corporation.</p>	<p>Yes, different mechanisms for proper disposal and recycling of e-waste, plastic waste, biodegradable waste and Municipal Solid Waste (MSW)</p>
H	<p><b>Adoption of Village / society</b></p>	<p>Since the University is centrally located at the heart of the capital city of Jharkhand and therefore, villages are limited within the close proximity of the campus. However, NSS and NCC wings are doing a commendable job in their domains.</p>
I	<p><b>Water Conservation</b></p>	<p>Various Department of Ranchi University are re-using RO waste water for cleaning and gardening purpose.</p>

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## 14.0 RECOMMENDATIONS

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- Formation of Environment Policy and its adoption by the University.
- Environmental Monitoring i.e. (Ambient Air Quality monitoring, Stack Monitoring of DG sets, Water monitoring) need to be conducted by Competent authorities, approved laboratory with frequency of six month. Solar panel also needs to be regularly cleaned and maintained for proper production.
- Reduction in use of papers by going digital.
- Water Meter should be installed at different campuses of University for monitoring of water consumption.
- Increase in Environmental promotional activities for spreading awareness at campuses and its surrounding areas.
- As practically feasible, avoid use of personal vehicles, single use plastics, water wastage, energy wastage, burning of bio-mass inside the campus. Horticultural biomass may be converted into compost.
- University to carry dense afforestation (Miyawaki forest) on its vacant land of various departmental campuses.
- Vertical gardening and indoor plants will add ecological ramifications in the campus and has great scope in the University campuses.
- Since the University has vast area of vacant land in its various departmental campuses, which can be covered by Miyawaki forests (Densely planted saplings) to act as oxygen bank.



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## 15.0 CONCLUSIONS

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This audit involved extensive consultation with all the campus team, interactions with key personnel on wide range of issues related to Environmental aspects. Ranchi University, Ranchi has Eco Club / NSS / NCC for spreading awareness regarding the environmental issues. Overall 60% of University campus is suitable for green initiatives. The audit has identified several observations for making the campus premises more environmental friendly. The recommendations are also mentioned with observations for campus team to initiate actions.

The audit team opines that the overall sites are maintained well from environmental perspective. There is no major observations but few things are important to initiate urgently, which are waste management records by monthly inventory of hazardous waste, rainwater harvesting recharge, water balance cycle and periodic inspection of buildings housekeeping and environmental policy.

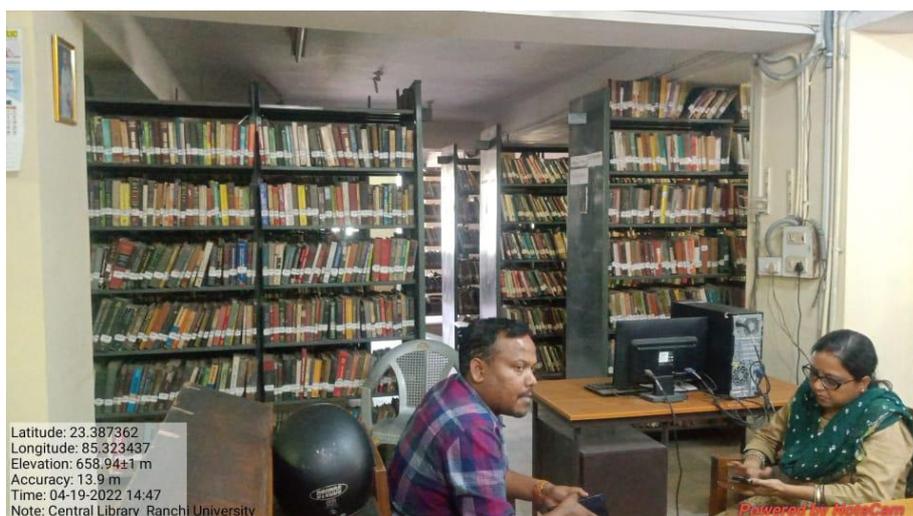
The audit team feels that the University has done very good efforts to make its campuses more green and environmental friendly from time to time.



( Effects of Climate Change )

## 16.0 REFERENCE

- The Environment [Protection] Act – 1986 (Amended 1991) & Rules-1986 (Amended 2010)
- The Petroleum Act: 1934 – The Petroleum Rules: 2002
- The Central Motor Vehicle Act: 1988 (Amended 2011) and The Central Motor Vehicle
- Rules:1989 (Amended in 2005)
- Energy Conservation Act 2010.
- The Water [Prevention & Control Of Pollution] Act – 1974 (Amended 1988) & the Water (Prevention & Control of Pollution) Rules – 1975
- The Air [Prevention & Control Of Pollution] Act –1981 (Amended 1987)  
The Air (Prevention & Control of Pollution) Rules – 1982
- The Gas Cylinders Rules – 2016 (Replaces the Gas Cylinder Rules –1981
- E-waste management rules 2016
- Electrical Act 2003 (Amended 2001) / Rules 1956 (Amended 2006)
- The Hazardous Waste (Management and Handling and Trans-boundary Movement) Rules, 2008 (Amended 2016)
- The Noise Pollution Regulation & Control rules, 2000 (Amended 2010)
- The Batteries (Management and Handling) rules, 2001 (Amended 2010)
- Relevant Indian Standard Code practices
- Internal Records of the Campus



**(View of Central Library of Ranchi University, Ranchi)**

## Green Initiative in Ranchi University Campus

- Existing Parks and Gardens



# Environment Report



# Environment Report



# Environment Report



( Picture Credit: R. P. Singh, Lead Auditor )

# Environment Report



# Environment Report

- Tree Plantation Drives



**Plantation drive  
by RU Officials**

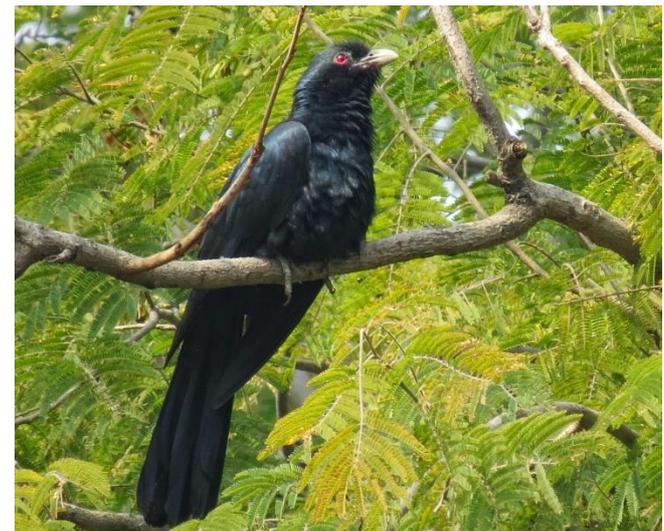


# Environment Report



**( Afforestation Drive by Faculty and Students )**

**Avian Fauna of Ranchi University Campus**



**(Pic. Credit : Mr. A.K. Sahay)**

# Environment Report

## Common butterflies of Morabadi Campus of Ranchi University



## Flora of Ranchi University Campus

The area of Ranchi University has a total number of 17 campuses which has an ample amount of greenery in each campus. The building of Basic and Applied Sciences, Morabadi has a Botanical Garden, maintained by the University Department of Botany, Ranchi University, Ranchi that contains a variety of medicinally as well as economically important trees and shrubs including flowering and non-flowering plants. More than 13000 plants (trees and shrubs) has been enlisted in the campus of Ranchi University with the dominance of *Dalbergia sisoo*, *Dyopsis* spp., *Thevetia*, *Broussonetia paprifera*, *Dracaena*, *Euphorbia* etc.

### List of plants in campuses:

Sl No.	Campuses	Number of plants
1.	Basic & Applied Science	899
2.	ILS	2437
3.	IMS	913
4.	EDPC	127
5.	MPEH	614
6.	Humanities	2263
7.	Central Library	223
8.	TRL	967
9.	Administrative Block	2325
10	Public Administration	460
11	Archeology and Museology	153
12	Dikshant Mandap	26
13	Commerce and Business Management	13
14	Guest house	155
15	Academic Staff College	557
16	Department of Anthropology and Sociology	96
17	Dean office	71
18	Botanical Garden	1601
	<b>Total</b>	<b>13,880</b>

एक वृक्ष दस पुत्र समान।

**Flowering Plants of Ranchi University Campus**



**Green DG Sets within University Campus**



# Environment Report



Green Energy / Solar Energy / Renewable Energy



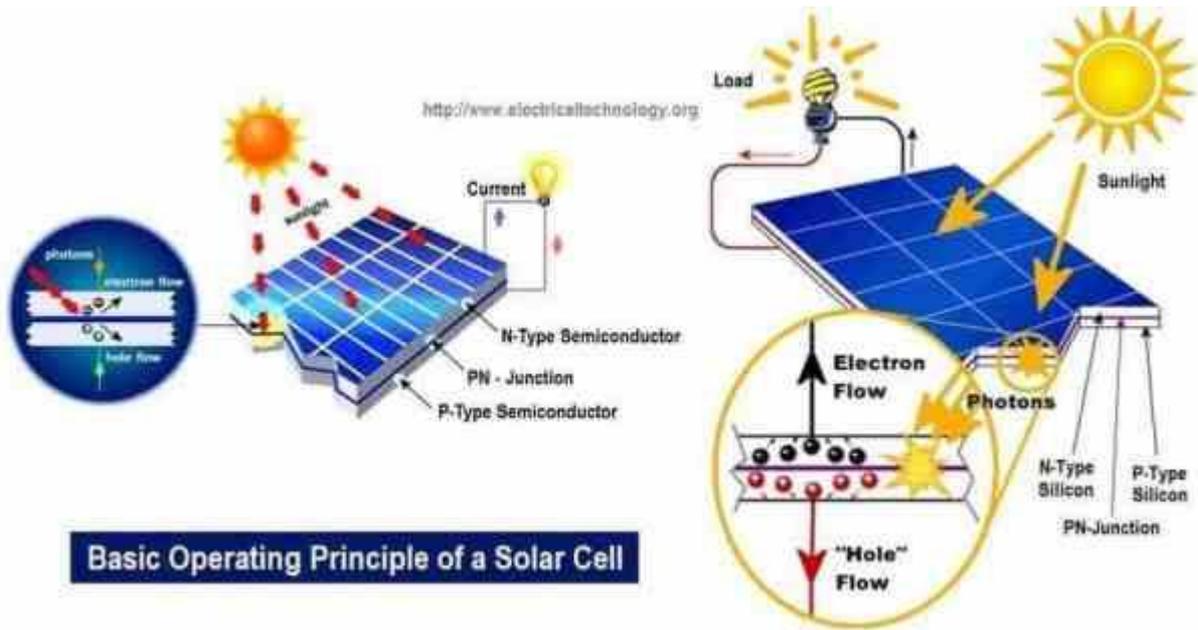
# Environment Report



# Environment Report



# Environment Report



Green Awareness  
Bicycle Rally

## **Ranchi University IEC Initiative**

### *Radio Khanchi 90.4 FM : ECO Warrior of Ranchi University*



### **Brief Introduction about Radio Khanchi**

Radio Khanchi 90.4FM – A Community Radio Station of Ranchi University, Ranchi was inaugurated by the Hon'ble Governor Mrs. Draupadi Murmu on 8th March 2020 (International Women's Day). At that time our present Vice-Chancellor Professor (Dr.) Kamini Kumar, former VC Professor (Dr.) Ramesh Kumar Pandey and other officials were present. The objective of this CR station is to create awareness and share authentic information with the last person of society. We continuously develop ideas, create content, record programs and broadcast them. Our focus is on education, health, environment, art & culture, etc.

We received a consultancy project from SMSE & CEMCA, New Delhi on Bamboo. We titled it "Green Gold". We celebrate all-important days related to our environment, climate, ecosystem, and biodiversity as special days and create on-air materials from the experts.

- |  |   |
|--|---|
| <b>3<sup>rd</sup> March</b> – World Wildlife Day           | <b>20<sup>th</sup> March</b> – World Sparrow Day                |
| <b>22<sup>nd</sup> March</b> – World Water Day             | <b>23<sup>rd</sup> March</b> – World Meteorological Day         |
| <b>28<sup>th</sup> February</b> – Indian Science Day       | <b>22<sup>nd</sup> April</b> – World Earth Day                  |
| <b>22<sup>nd</sup> May</b> – World Biodiversity Day        | <b>3<sup>rd</sup> Fri of May</b> – World Endangered Species Day |
| <b>5<sup>th</sup> June</b> – World Environment Day         | <b>31<sup>st</sup> March</b> – No Tobacco Day                   |
| <b>11<sup>th</sup> July</b> – World Population Day         | <b>28<sup>th</sup> July</b> – World Nature Conservation Day     |
| <b>4<sup>th</sup> December</b> – Wildlife Conservation Day |   |

All contents are available on our YouTube: radiokhanchi

## 22<sup>nd</sup> APRIL 2021 : WORLD EARTH DAY



**Dr. Kamal Kumar Bose**, HOD, Dept. of Hindi, St. Xavier's College, Ranchi: He dedicated a poem on the occasion of World Earth Day. In his poetry, he reflected upon the beauty of our mother earth and the duties of the society.



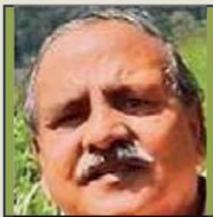
## 25<sup>th</sup> APRIL 2021 : WORLD MALARIA DAY



**Dr. Anand Kumar Thakur**, Assistant Professor, University Department of Zoology, Ranchi University, Ranchi: Being a zoologist he explained the history of malaria, its causes, symptoms, precautions and cure.



## 21<sup>st</sup> MAY 2021 : 15<sup>th</sup> NATIONAL ENDANGERED SPECIES DAY



Prof. Jyoti Kumar

A report on the endangered flora species in both the world and India was recorded by **Prof. (Dr.) Jyoti Kumar**, Dean, Faculty of Science; HOD, University Dept. of Botany; Director, UGC-HRDC & Director, IQAC, Ranchi University, Ranchi. He said that extinction of species on this earth is a natural process, but it is a threat for us when due to anthropogenic interference species lose their presence.

## 22<sup>nd</sup> MAY 2021 : WORLD BIODIVERSITY DAY



Prof. Kamini Kumar



Prof. Jyoti Kumar



Dr. Gopal Sharma



Dr. Navnit Singh



Dr. Kamal Kr. Bose



Dr. Prasenjit Mukherjee

On the occasion of the International Day of Biodiversity, several messages and opinions on different topics were received by Radio Khanchi 90.4 FM. **Prof. Kamini Kumar**, Hon'ble Vice-Chancellor, Ranchi University, Ranchi spoke about the importance of a rich biodiversity for the sustainability of the ecosystem. She also pointed out the causes behind the threat on biodiversity. Next, **Prof. Jyoti Kumar**, Dean, Faculty of Science; HOD, University Dept. of Botany; Director, UGC-HRDC & Director, IQAC, Ranchi University, Ranchi enriched the listeners by facts on biodiversity. **Dr. Gopal Sharma**, Director, Zoological Survey of India (ZSI), Patna is a well-known scientist of dolphins and birds. He gave details on the health checkup of the biodiversity in the Gangetic zone of Bihar & Jharkhand. Further in this series, **Dr. Navnit Singh**, Scientist, Zoological Survey of India (ZSI), Kolkata and a renowned butterfly expert presented an overview on the biodiversity of butterflies and moths in the eastern zone of India. **Dr. Kamal Kumar Bose**, HOD, Dept. of Hindi, St. Xavier's College, Ranchi presented a nice poem on the topic shedding light on the importance of biodiversity. **Dr. Prasenjit Mukherjee**, HOD, Dept. of Botany, Pakur College, SKM University, Dumka who is a known scientist of aquatic fauna reported the aquatic biodiversity in Jharkhand. The entire programme was compiled by **Dr. Anand Kumar Thakur**, zoologist of Ranchi University, Ranchi.

## Eco initiatives by NSS and NCC



### RANCHI UNIVERSITY RANCHI

राष्ट्रीय सेवा योजना  
राँची विश्वविद्यालय, राँची

राष्ट्रीय सेवा योजना भारत सरकार के युवा कार्यक्रम एवं खेल मंत्रालय की युवा इकाई है। राँची विश्वविद्यालय के विभिन्न महाविद्यालयों एवं विश्वविद्यालय विभागों में एन एस एस की कुल 103 इकाई है जिसके अंतर्गत कुल 10300 (दस हजार तीन सौ ) एन एस एस के स्वयंसेवक जुड़े हैं।

एन एस एस का मुख्य उद्देश्य है स्वयंसेवकों के व्यक्तित्व का विकास करते हुए उन्हें सामुदायिक कार्य हेतु प्रेरित करते हुए उनके अंदर सामाजिक संवेदना विकसित करना है। राँची विश्वविद्यालय के एन एस एस इकाई द्वारा महाविद्यालय एवं विश्वविद्यालय विभागों के परिसरों एवं स्लम एवं गांवों को गोद लेकर कई प्रकार के जागरूकता कार्यक्रम आयोजित किये जा रहे हैं जैसे पर्यावरण संरक्षण, स्वच्छ भारत अभियान, गंदगी मुक्त भारत, पौधरोपण एवं उनका संरक्षण, नशा मुक्ति अभियान, बेटी बचाओ - बेटी पढ़ाओ, महिला सशक्तिकरण, फिट इण्डिया मूवमेंट, फिट इण्डिया फ्रीडम रन, संविधान दिवस, योग दिवस, रक्तदान कार्यक्रम, सामाजिक कुरीतियों के विरुद्ध कार्यक्रम, श्रमदान कार्यक्रम, साहसिक यात्रा, मतदाता जागरूकता अभियान, पोषण जागरूकता अभियान, कोरोना महामारी जागरूकता अभियान, कौमी एकता सप्ताह, सड़क सुरक्षा अभियान, राष्ट्रीय एकता दिवस, अंतरराष्ट्रीय मानवाधिकार दिवस, ऐडस जागरूकता अभियान शामिल है। राँची विश्वविद्यालय की एन एस एस द्वारा पर्यावरण को बचाने के लिए संगोष्ठी, विभिन्न प्रकार की प्रतियोगिताएँ जैसे निबंध प्रतियोगिता, भाषण प्रतियोगिता, पोस्टर मेकिंग प्रतियोगिता, क्विज, स्लोगन एवं कविता लेखन प्रतियोगिता, जागरूकता रैली, पौधा रोपण एवं उनका संरक्षण कार्यक्रम चलाए जाते हैं और सभी स्वयंसेवक अपने जन्मदिन एवं परिवार के शुभ कार्यों जैसे विवाह, उपनयन संस्कार, सालगिरह के अवसर पर एक - एक पौधा लगाते हुए उनका संरक्षण करते हैं।

स्वच्छ भारत अभियान के अंतर्गत प्रत्येक वर्ष 1 अगस्त से 15 अगस्त एवं 01 अक्टूबर से 31 अक्टूबर तक विभिन्न विश्वविद्यालय विभागों एवं महाविद्यालयों के परिसरों एवं स्लम तथा गांवों में व्यापक जागरूकता कार्यक्रम आयोजित किया जाता है इन कार्यक्रमों को लेकर राँची नगर निगम द्वारा सम्मानित किया गया है। राँची विश्वविद्यालय के एन एस एस के स्वयंसेवकों का दल प्रत्येक वर्ष ग्रीष्मावकाश में " स्वच्छ भारत समर इंटरनशिप " के अंतर्गत पूरे एक माह में 100 घंटे गोद लिए गांवों में कार्य करते हैं। इस अभियान के अंतर्गत पर्यावरण संरक्षण जागरूकता कार्यक्रम, जन चौपाल, नुक्कड़ नाटक, प्राथमिक, मध्य एवं उच्च विद्यालयों के बच्चों को जल संरक्षण, पर्यावरण का महत्व, पौधा रोपण आदि के लाभों के बारे में अवगत कराते हैं। इनके द्वारा कार्यों की प्रशंसा वहाँ के जनप्रतिनिधियों द्वारा किया जाता है।

प्रत्येक वर्ष राँची विश्वविद्यालय की एन एस एस इकाई द्वारा 01 जून से 05 जून तक पर्यावरण संरक्षण सप्ताह, 01 जुलाई एवं 15 जुलाई तक वन महोत्सव पखवाड़ा आयोजित करके लगभग 20000 से 2500 तक पौधा रोपण किया जाता है एवं उनका संरक्षण हेतु एन एस एस स्वयंसेवकों द्वारा उन पौधों को गोद लेकर सुरक्षा प्रदान किया जाता है। एन एस एस के स्वयंसेवक अपने - अपने गाँव एवं घरों के आसपास भी पौधा रोपण करते हैं एवं हरियाली युक्त वातावरण के निर्माण में सक्रिय योगदान दे रहे हैं।



## RANCHI UNIVERSITY RANCHI

-2-

एन एस एस में दो प्रकार के कार्यक्रम आयोजित किया जाता है जिसमें नियमित गतिविधि एवं 07 दिवसीय विशेष शिविर शामिल है। राँची विश्वविद्यालय के अंतर्गत एन एस एस के द्वारा दोनों प्रकार के कार्यक्रम आयोजित किए जाते हैं।

सात दिवसीय विशेष शिविर का आयोजन एन एस एस द्वारा गोद लिए स्लम/ गाँव में आयोजित किये जाते हैं जिसके अंतर्गत प्रत्येक शिविर में एन एस एस के 50 स्वयंसेवक 07 दिनों तक साक्षरता, स्वच्छता, फिटनेस, पर्यावरण, स्वास्थ्य आदि विषयों पर जागरूकता कार्यक्रम चलाये जाते हैं। इन 07 दिनों में श्रमदान के माध्यम से साफ - सफाई, नाली और सड़क निर्माण, सरकारी विद्यालयों में पेंटिंग कार्यक्रम आयोजित किये जाते हैं और सर्वेक्षण कार्यक्रम किये जाते हैं जिसके अन्तर्गत भारत सरकार एवं राज्य सरकार द्वारा किए जा रहे लोककल्याणकारी योजनाओं की स्थिति का कार्य करते हुए उसका रिपोर्ट तैयार कर संबंधित प्रखंड विकास पदाधिकारी, विधायक, सांसद को समर्पित किया जाता है।

राँची विश्वविद्यालय की एन एस एस इकाई द्वारा प्रत्येक वर्ष " हरित परिसर एवं स्वच्छ परिसर " के लिए विशेष अभियान चलाया जाता है जिसका परिणाम राँची विश्वविद्यालय का सभी परिसर हरियाली से युक्त इको फ्रेंडली वातावरण है।

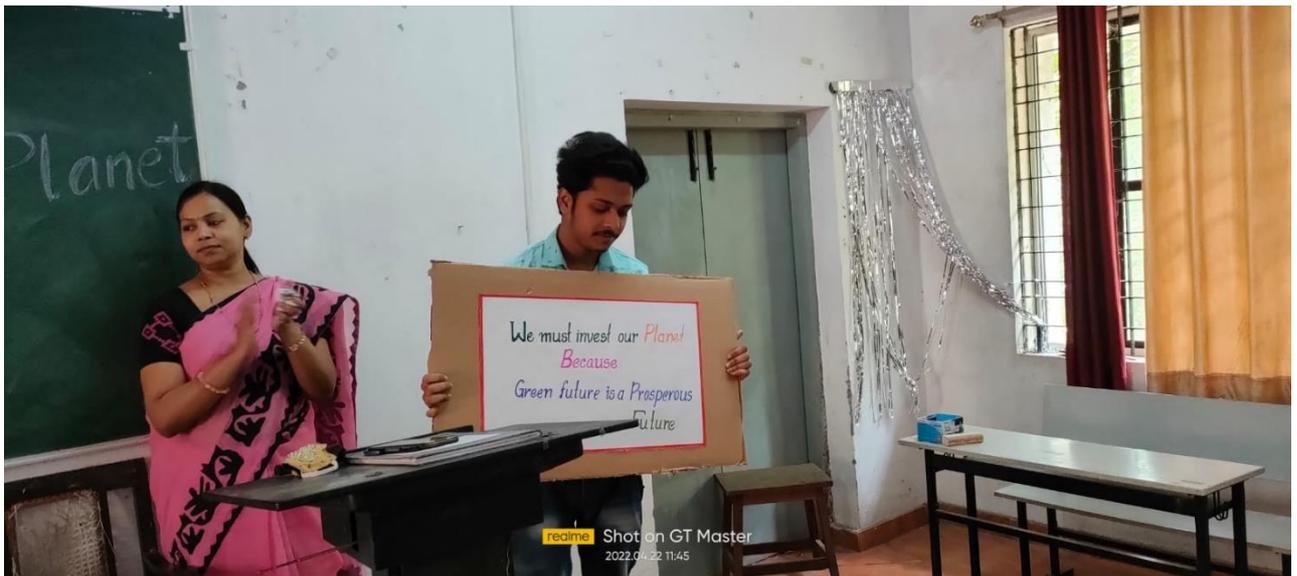
डॉ ब्रजेश कुमार  
कार्यक्रम समन्वयक  
राष्ट्रीय सेवा योजना  
राँची विश्वविद्यालय, राँची।



# Environment Report



# Environment Report



RU Youths on Green Campaign



# Environment Report



# Environment Report



# Environment Report



# Environment Report



# Environment Report



Coverage in Media / Press

## एनएसएस के तत्वावधान में फिट इंडिया मूवमेंट के तहत पौधारोपण कार्यक्रम आयोजित



रांची। राष्ट्रीय सेवा योजना के अन्तर्गत 24 सितंबर को रांची विश्वविद्यालय की राष्ट्रीय सेवा योजना इकाई एवं टीम जैन, रांची के संयुक्त तत्वावधान में फिट इंडिया मूवमेंट के अंतर्गत 'पौधारोपण' कार्यक्रम आयोजित किया गया। रांची विश्वविद्यालय के एनएसएस के कार्यक्रम समन्वयक डा. इंदिरा कुमारी ने बताया कि राष्ट्रीय सेवा योजना के अन्तर्गत 24 सितंबर 1969 को नई दिल्ली में किया गया। उन्होंने बताया कि आज एनएसएस के अन्तर्गत 31 वर्ष के अवसर पर रांची विश्वविद्यालय के स्वयंसेवकों एवं टीम जैन के सदस्यों द्वारा 51 पौधारोपण कार्यक्रम एवं बेसिक सर्जिकल प्रीवेंटिव पोसाज में संलग्न किया। उन्होंने कहा कि फिट रहने के लिए पर्यावरण संरक्षण जरूरी है, इसके लिए पौधारोपण करना एवं संरक्षण करना आवश्यक है। टीम जैन के विद्यार्थी कुमारी ने कहा कि पर्यावरण संरक्षण हेतु सभी को अपने जवाब होना चाहिए। आज के पौधारोपण कार्यक्रम को सफल बनाने में एनएसएस के टीम लीडर्स दिवाकर आनंद, सुमित तिवारी, दीपा कुमारी, अंजलि कुजूर, सुरेश भागत, टीम जैन के अध्यक्ष कुमारी, हरेंद्र कुमारी, नेहाल सिंह, पूजा कुमारी, अनू अग्रि का उत्तरेखनीय योगदान रहा।

## स्वच्छता हमारी आदत का हिस्सा होना चाहिए: डॉ. ब्रजेश



रांची। रांची विश्वविद्यालय की राष्ट्रीय सेवा योजना इकाई द्वारा फिट इंडिया मूवमेंट के अंतर्गत 23 सितंबर को आर्यु मुख्यालय (शहीद चौक, रांची) परिसर में स्वच्छता ड्राइव चलाया गया। इस अवसर पर रांची विश्वविद्यालय के राष्ट्रीय सेवा योजना के विश्वविद्यालय कार्यक्रम समन्वयक डा. ब्रजेश कुमार ने अपने सम्बोधन में कहा कि स्वच्छता हमारे आदत में होनी चाहिये। उन्होंने कहा

कि फिट रहने के लिए स्वच्छता भी अहम भूमिका निभाता है। उन्होंने कहा स्वच्छ वातावरण से स्वस्थ वातावरण बनता है, इसे हमें समझते हुए स्वच्छता हेतु रचनात्मक पहल करने की आवश्यकता है। आज के स्वच्छता ड्राइव कार्यक्रम में राष्ट्रीय सेवा योजना पुरस्कार 2018-19 के लिये इशरखंड राज्य से चयनित एनएसएस स्वयंसेवक जतिन कुमार ने स्वयंसेवकों को संबोधित करते

हुए कहा कि सनाजिक कार्यों को ईमानदारी एवं परिश्रम भाव से करने से जीवन में काफी सुखद परिणाम प्राप्त होता है। उन्होंने अपने कार्य के बारे में विस्तार पूर्वक बताते हुए कहा कि कार्य खेत हो या बहा, मैंने पूरी ईमानदारी से कार्य किया है जिसका परिणाम मुझे राष्ट्रीय पुरस्कार 24 सितंबर को महामहिम राष्ट्रपति महोदय के कर कमलों से वर्षुअल मोड से प्राप्त होगा। आज के

स्वच्छता ड्राइव कार्यक्रम के अंतर्गत विश्वविद्यालय के मुख्य गेट से लेकर सीनेट हॉल एवं अन्य प्रशासनिक परिसर को साफ - सुथरा किया गया एवं सैनिटाइज भी किया गया। आज के स्वच्छता ड्राइव कार्यक्रम में एनएसएस के टीम लीडर्स ब्रजेश दिवाकर आनंद, सुमित तिवारी, शुभम चौधरी, अंजलि कुजूर, अनू कुमारी, दीपा कुमारी, निरिता सुमन, नवीन किशोर, शालू जायसवाल, जमील, फलक फातिमा, सुरेश, सूरज, धिरेंजन, केशव आदि का उत्तरेखनीय योगदान रहा। आज का स्वच्छता ड्राइव कार्यक्रम सुबह 7.00 बजे से प्रारंभ होकर लगभग 11.00 तक आयोजित किया गया। आज के कार्यक्रम में 09 महाविद्यालय, 03 स्नातकोत्तर विभागों के कुल 49 स्वयंसेवक/ स्वयंसेविका शामिल हुए।

अंतर्गत करा सुर्व सिंह राबि क

# बेजुबान पक्षियों को स्वच्छ पानी पिलाना एक सराहनीय पहल : ब्रजेश



## GANDIV REPORTER

**रांची।** रांची विश्वविद्यालय की एन एस एस इकाई के तत्वावधान में आज आर यू के बोटैनिकल गार्डन में पक्षियों के लिए मिट्टी के पात्र में स्वच्छ पानी एवं चना रखकर विभिन्न पेड़ों के टहनियों में लटकाया गया। इस अवसर पर आर यू के एन एस एस कार्यक्रम समन्वयक डॉ ब्रजेश कुमार ने कहा कि इस भोषण गर्मी में जहां सभी लोग हलकान है वहीं बेजुबान पक्षियों को पानी के लिए भटकना पड़ रहा है, ऐसे में

उनके लिए स्वच्छ पीने का पानी की व्यवस्था करना एक सराहनीय एवं सार्थक पहल है। उन्होंने कहा आज पक्षियों हेतु पीने का पानी को पात्रों में रखकर यहां के पेड़ों में लटकाया जा रहा है एवं आगे सभी महाविद्यालय एवं विश्वविद्यालय विभागों में भी इस अभियान को चलाया जाएगा। उन्होंने इस अभियान में शामिल स्वयंसेवकों से अपने और दोस्तों के घरों के छतों एवं छज्जों पर भी पक्षियों के लिए पानी की व्यवस्था करने की अपील की। आज के इस अभियान के शुभारंभ के अवसर पर पक्षियों को पीने के पानी

को मुहैया कराने का शपथ स्वयंसेवकों ने ली। बोटैनिकल गार्डन में आज 15 मिट्टी के पात्रों में पानी डालकर लटकाया गया जिसके देखभाल के लिए बनस्पति शास्त्र विभाग के एन एस एस के टीम लीडर्स क्रमशः श्रद्धांजलि, उजाला, संदीप और मनीष को जिम्मेदारी दी गई। आज के इस अभियान में मारवाड़ी महाविद्यालय, रांची के प्राध्यापक डॉ शशि शेखर दास, प्रिंस तिवारी, पूजा कुमारी, अमन, श्रद्धा, उज्वल, अंजली, सोरभ, रोहित आदि का उल्लेखनीय योगदान रहा।

5/15

## कोरोना महामारी में एनएसएस स्वयंसेवकों का कार्य सराहनीय

लक्ष्मण रिपोर्टर रांची

रांची विधि की कुलपति डॉ कामिनी कुमार ने कहा कि राष्ट्रीय सेवा योजना के स्वयंसेवकों ने कोरोना काल में सहगर्मीय योगदान दिया है। इनके रचनात्मक कार्यों की चर्चा हो रही है। वह शुरुआत को इंस्टीट्यूट ऑफ लीगल स्टडीज सेंटर में आयोजित राष्ट्रीय सेवा योजना के 53वें स्थापना दिवस समारोह में बोल रही थीं। उन्होंने कहा कि एनएसएस में कार्य करनेवाले स्वयंसेवकों के व्यक्तित्व का विकास, सामाजिक संवेदना एवं आर्थिक-विकास क्रमगत हो जाता है। प्रभारी कुलपति ने स्वयंसेवकों से कहा कि आप पढ़ाई के साथ सामाजिक दायित्व के निर्वहन का भी संकल्प लें। इस मौके पर रांची विधि के डीएसडब्ल्यू डॉ राजकुमार शर्मा, डॉ ब्रजेश कुमार ने भी विचार व्यक्त किये। कहा कि झारखंड के सभी विधि एवं राज्य स्तरीय एनएसएस पुरस्कार बहुत जल्द शुरू किया जायगा। इधर,



स्थापना दिवस समारोह में शामिल रांची विधि की वीसी डॉ कामिनी कुमार.

### कृषि विधि के पाठ्यक्रम में भी एनएसएस होगा

**रांची।** बीएयू में डॉ एमएस यादव ने कहा कि आइसीएआर के स्तर से अर्थ विधि के पाठ्यक्रम में एनएसएस को शामिल किया गया है। आज की युवा शक्ति को समाजोपयोगी कर्यों के लिए प्रेरित करने की आवश्यकता है। डॉ यादव शुरुआत की विधि में एनएसएस दिवस के अवसर पर आयोजित कार्यक्रम में बोल रहे थे। वेदन्ती डीन डॉ सुशील प्रसाद ने कहा कि एनएसएस का आदर्श वाक्य नोट में बट यू सामाजिक और निःस्वार्थ सेवा की आवश्यकता पर जोर देता है। मौके पर डॉ एमएस मल्लिक, डॉ डॉकि शहा, डॉ पीके सिंह, डॉ एसके पाल, डॉके कसिया, आरपी मोदी, डॉ जय कुमार, डॉ भूपण सिंह, डॉ उतम कुमार, डॉ अमित कुमार, डॉ शोके झा, डॉ जय कुमार और डॉ भूषण सिंह मौजूद थे.

आइएलएस परिसर में स्वच्छता ड्राइव चला. 53 पौधे लगाये गये. मौके पर अइएलएस निदेशक डॉ सतीश कुमार, अनुभव धारकवाली मौजूद थे.

राजस्थानी महिलाओं की कान्ठकारी शायर डॉ राजकृत

### एनएसएस स्थापना दिवस

## सामाजिक दायित्व का भी निर्वाह करें: वीसी



कार्यक्रम में मौजूद वीसी डॉ कामिनी कुमार व एनएसएस के कार्यक्रम पदाधिकारी।

### आरयू

रांची। प्रमुख संवाददाता

रांची विश्वविद्यालय में राष्ट्रीय सेवा योजना (एनएसएस) का 53वां स्थापना दिवस समारोह शुरुआत के आयोजित किया गया। इसमें वकील मुख्य अतिथि कुलपति डॉ कामिनी कुमार मौजूद थीं। उन्होंने कहा कि एनएसएस स्वयंसेवकों ने कोरोना काल में सराहनीय योगदान दिया है। कहा पढ़ाई के साथ स्वयंसेवक सामाजिक दायित्व का भी निर्वाह करें।

डीएसडब्ल्यू डॉ राजकुमार शर्मा ने कहा कि एनएसएस के स्वयंसेवक समाज में सकारात्मक बदलाव के लिए आगे आए।

### निर्मला कॉलेज में

### कार्यक्रम का आयोजन

रांची विश्वविद्यालय में राष्ट्रीय सेवा योजना (एनएसएस) का 53वां स्थापना दिवस पर कुलपति डॉ कामिनी कुमार ने कहा कि एनएसएस कार्यक्रम आयोजित किया गया। कार्यक्रम की शुरुआत डॉ कामिनी कुमार ने की। मुख्य अतिथि एनएसएस विहार-झारखंड के क्षेत्रीय निदेशक पीएच परेणो ने एनएसएस स्वयंसेवकों के कार्यों की शिर्षक वन करते हुए उनकी उत्कृष्टता की सतहन की।

मौके पर एनएसएस के रांची विश्वविद्यालय के कार्यक्रम समन्वयक डॉ ब्रजेश कुमार समेत अन्य मौजूद थे।





*Thank You !!*



**Picture Credit : Prof. (Dr.) Nitish Priyadarshi, University Department of Geology, RU**