



Government Mahamaya College, Ratanpur 495 442

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BEST PRACTICE-1

1. Title of the Practice – “Green Campus”

2. Objectives of the Practice –

The prime duty of an educational institution is to aware students and other stake holders to conserve and protect the components of ecosystem, to maintain a clean and healthy environment and be committed to sustainable practices. The main objectives of green campus are:

1. To ensure land use, water management, and the conservation of natural resources
2. To establish an efficient waste and recycling system, and
3. To establish an environment-energy based management system

3. The Context –

Sustainable Development is about meeting the needs of the present generation in a way that does not compromise the needs of future generations. Therefore, as an institution of higher education, it is important to make our present generation aware about the cruciality of adopting environmentally sustainable practices. It also means that any development should entail the proper balance of economic, social and environmental conditions.

The college understands its responsibilities towards regional, national and ultimately global challenges regarding global warming, prevention of bio-diversity and plastic hazards. The college has green and pollution free ambience. The entire region is surrounded by hills, jungles and farms, which have been conducive to a good educational ambience. To maintain educational and pollution free environment, college emphasizes to not only hold plantation program in the campus but also strives at their protection.

4. The Practice -

The college values green environment to the utmost degree and makes constant efforts to keep the campus perennially green. The college campus is one of the best green campuses of Chhattisgarh. Some green measures taken by the college are:

1. The college campus, spread in about 10 acres, is beautifully landscaped and systematic plantation drives have been undertaken;
2. Each year, the college organizes a plantation drive by students, staff, and other stake holder to ensure awareness in all its ranks. NSS wing of the college leads this drive in every monsoon;
3. Newly planted saplings are covered by tree guards to ensure their survival;
4. The NSS wing of the college organizes cleanliness campaigns every Saturday;
5. All garden waste is used for making compost in compost pit (NADEP) of the college;
6. The natural compost produced is used as natural fertilizer for plants in the campus to ensure long term benefits in soil enrichment;
7. Rain water harvesting system is installed to ensure ground water recharge rather than allowing rain water to run off
8. Plaque of Hindi, English and Botanical names have been placed on the trees to enhance the experiential learning process

Effective planning and implementation are necessary for tree planting and preservation. It also requires both labor and practicability to keep the garden and campus green and clean. Due to limited fund and shortage of class IV staff in a government college, this task becomes even more difficult. The college has systematically planned to solve all these problems. Initially the plantation was carried out in the campus by staff, students and alumni of the college by bringing plants of different species, by their own resources. Later on, the funds generated through self-financing scheme and Jan Bhagidari samiti are being used for development and maintenance.

One gardener has been arranged by the college for tending to its green reserve. From time to time, the assistance of other daily laborers is also taken by him. Necessary tools (axe, hedge shears, gardening fork, sickle, shovel etc.) and equipment (manual and auto grass cutter, wheelbarrow etc.) were purchased to maintain green wealth in a smooth manner. At present more than 350 trees of about 55 varieties, plenty of herbs and shrubs, plants in around 200 pots, all these are wealth of the institution and each and every effort is made to sustain and grow this reserve.

5. Evidence of Success-

The campus of Government Mahamaya College, Ratanpur is known as one of the best green campus of state. The college has more than 350 trees, plants in about 200 pots, varieties of herbs and shrubs. The college has fruit-bearing, flower-bearing, shade-providing, medicinal, timber-rich and other types of trees. The floral diversity of the campus contains:

1. **Trees-** Bur flower, Mango, Indian gooseberry, Mulberry, Almond, Blackberry, Cashew nut, Sweet lime, Pomegranate, Bengal quince, Coconut, Golden shower, Magnolia, Oleander, Tacoma, Bottle brush, Giant calotropins, Murray exotica, Rosary pea, Acacia, Neem, Aloe vera, Mountain ebony, Asparagus, Shri Krishna vat, Banyan, Sacred-fig, Pangamic, Bottle palm, Red river fig, Bustard-teak, Teak, Beech wood etc.
2. **Herbs-** Bermuda grass, Berniard grass, Lemon grass, Holy basil, Crataegus, Vetiver grass, Canna lily, Thyme, Bitter stick, Jasmin etc.
3. **Shrubs-** Cranberry, Guava, Milkweeds, Black stone flower, Crepe-Jasmin, Lemon, Jimsonweeds, Rauwolfia, Ginger, Night blooming Jasmin, Date palm, Royal palm, Raffish palm, Rose, Marigold, Graveyard plant, Christmas tree, etc.

Green campus provides perfect environment for teaching & learning, and students, in spare time, prefer sitting in garden area under trees, rather than sitting in fan-cooled lecture halls, thus saving electricity.

6. Problems Encountered and Resources Required-

Due to abundance of natural resources, the campus has become a good habitat center for birds and animals. The college encountered with various problems time to time and resources used to overcome are as follows:

1. There is no systematic boundary wall and sometimes animals of nearby villages trespass the campus and damage greenery. To prevent this, fences are built by placing old, discarded tin sheds.
2. Monkeys often come and harm the vegetation. In such situations, students and staff take immediate measures to safely chase them away from the campus.
3. Beehives are often found at many places within the campus which proves to be dangerous for staff and students. To remove the beehives, trained specialists are called upon.
4. Occasionally, venomous animals like snakes and scorpions are found in the campus. They are systematically captured by trained specialists and released into adjacent forests.

7. Notes (optional)-

Apart from monsoon, a large amount of electricity is used to run the tube well for watering plants. The institution is trying its best to arrange solar energy panels to reduce the money spent on electricity. In addition to this, rain water storage/ harvesting system is also required for old building.

During Covid-19 first phase, the grass had increased a lot due to the non-use of college sports ground. Therefore, in those days the animals were allowed to graze freely so that the problem of fodder at local level would be resolved to some extent and field would be settled.

Green Campus: Plantation Drive & Safety by Tree Guards



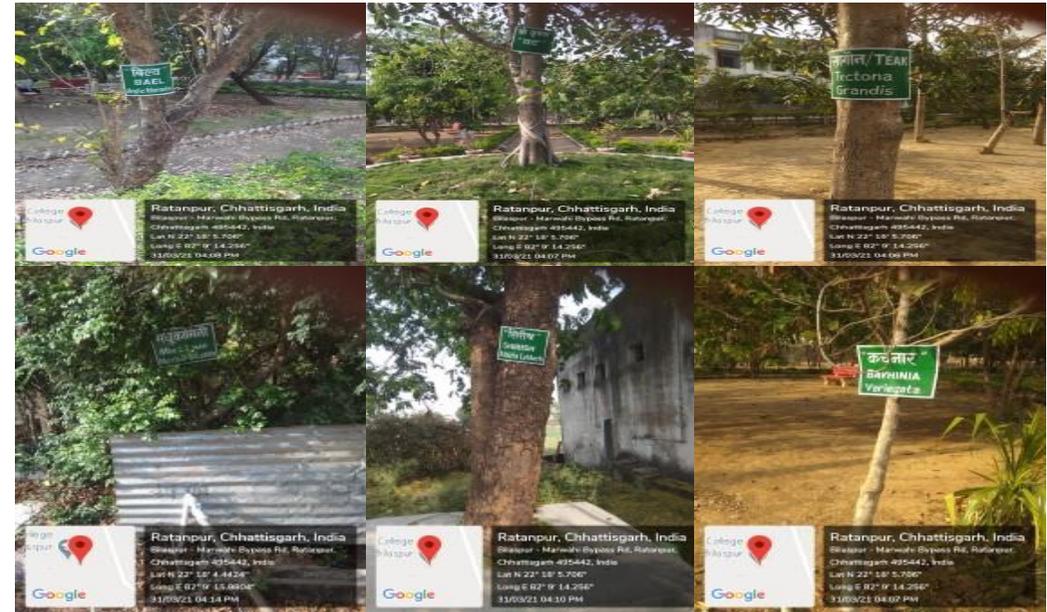
Green Campus: Motivational Message on the walls



Green Campus: Production of Natural Compost from Garden waste



Green Campus: Enhancing Experiential Learning Process



Evidence of Success

क्र. सं.	वृक्ष -	सं.
1.	फलदार वृक्ष - कचरा 50, आम 48, आमला 15, टाटुल 5, केर 6, आमलक 5, बांग्ला 4, जलकुण्ड 3, तमर 2, मंगो आम 1, सुखी 1, अमर 1, बेल 4, रामफल 2, नारियल 2.	148
2.	फुलदार वृक्ष - आमलक 4, चमप 2, इलायची 3, नम 3, कनेर 3, मोर 3, टिकोमा 2, बाटल 2, मदार 10, नमूकामिनी 2, गुजरा 1, आमलक 1, टिकोमा 4.	41
3.	औषधि वृक्ष - नीम 6, कचनार 2, एल्की 13, तुलसी 15, टाटुल 10.	55
4.	द्विपत्रक वृक्ष - श्री कृष्ण 1, मरुत 2, पीपल 2, कर्पूर 4, शिंदी 3, बाटल 4, शिव राम 2, गुल्म 1, पल्लव 2.	22
5.	इमारती वृक्ष - लोखंड 24, चमप 2, कनारी 2.	28
6.	अन्य वृक्ष - मुद्गी 1, पनडकल 1, विद्या परती कट्याईना घाम 2, अरोंक 7, गोलडन प्रार 18, सायकली 3, बाल 6, बुरामाहा 1, सुख 2, 5.	60
		355



Evidence of Success



Evidence of Success



Problems Encountered



BEST PRACTICE-2

1. Title of the Practice – “Free ICT training to weaker and marginalized students”

2. Objectives of the Practice –

Free ICT training to students of economically weaker and marginalized rural areas is provided in the Network Resource Center of the college with the following objectives:

1. To acquaint students with knowledge of the computer system, with emphasis on their uses and applications,
2. To provide opportunity for the study of modern methods of information processing and its applications,
3. To foster among students an interest and confidence in using computers, and
4. To encourage an understanding of the implications of computers in modern world.

3. The Context-

1390 students took admission in the college in session 2019-20. More than 50% are girls. In general, more than 90% of total students come from rural areas, with their homes located at 2 to 40 km from the college. Most of the students belong to financially weaker and marginalized sections as they don't have proper transportation, electricity, computer and internet facilities. Today, the ability to comfortably operate a computer to access the abundant resources internet offers has become a necessity. Thus, free ICT learning programs in the college gives students the opportunity to expand their horizons to learn skills they would not have the opportunity to acquire in schools (or at home) of rural areas due to various challenges.

4. The Practice-

The college has added about 30 computers, including 11 All-in-one computers in last five years. As a result, 93 computers are available in the campus. About 30 computers have been installed in the Computer science lab dedicated for Computer science students. About 35 computers are installed in the Network Resource Center (NRC) for general training and open access of internet. English Language Lab software (1+9 user) has also been installed in NRC for improving conversation skill of students. 03 ICT enabled class rooms, one in each building is developed, so that students and teachers can use them easily. Internet facility is provided in the whole campus through optical fiber, LAN and Wi-Fi. The college promotes students for maximum use of all these facilities as follows:

1. Free ICT facility is provided in the NRC center. Separate periods are allotted to students and other students are also allowed if terminals are free for access.
2. Printers and photocopy machines are installed in the NRC, so that students may get print out/ photocopy of any study material on nominal rates.
3. One computer operator cum trainer is arranged from Jan Bhagidari Samiti, who instructs students at NRC whenever required.
4. Principal and other ICT user faculty members frequently visit NRC to assist students for better use of ICT facilities like internet browsing, Power point Presentation preparation, using spread sheets for data manipulation and graph plotting etc.
5. NLIST User ID, passwords are allotted to students and training sessions are organized for better access of study material through it. Students may use this facility in NRC, in the Library or even on their smart phones.
6. Active learners are promoted to use LCD projectors, digital camera, interactive boards and digital teaching device for presentations. Power Point presentation competition is organized by Computer science and Physics department.
7. PG students are encouraged to deliver their seminar using Power Point presentation.

8. One portable battery-operated LCD projector has been purchased and teachers and students may use this in any class room even if electric supply is interrupted.
9. One All-in-one desktop is provided to each department so that teachers and students may browse learning material of their subjects, instantly, in their department itself, using Wi-Fi.
10. FDP on use of ICT for teaching and learning has been organized by IQAC so that maximum teachers avail these facilities and encourage their students for better use of available infrastructure.

5. Evidence of Success-

The following meaningful facts are evidence of success of providing free computer and internet facility to financially weak and marginalized students and motivating students to use them for various academic and employment-oriented work:

1. Many students are familiar with computer and internet and they are confidently using all these for making their presentations and browsing educational and employment related websites.
2. Less mistakes by students are found in online portal of examination and scholarship.
3. Students are using ICT for internal seminars and power point presentation competition.
4. An online survey was conducted by the college during Covid19 first phase (May 10-12, 2020) in which more than 200 students were submitted their response in just 3 days.
5. More than 80% PG students were enrolled in portal cgschool.in for accessing online study materials in April 2020.
6. About 90 videos on various topics were uploaded by faculty members on portal cgschool.in and college website, during April-June 2020.
7. More than 300 students submitted their annual feedback online during May 21-25, 2020.
8. Lecture notes, references, information is being exchanged between students and teachers using ICT facility.
9. Students enthusiastically participate in online quiz competitions and webinars.

7. Problems Encountered and Resources Required-

Establishing ICT facilities in a college of rural area is a big challenge but it is more difficult to keep these services operational. Time to time various problems are encountered and resolved as follows:

1. The subsidy for internet service through NKN has been stopped by central government for the last 3 years, so Jan Bhagidari Samiti has been convinced to pay annual charges.
2. Electric supply is interrupted very frequently in this area, to overcome this, about 25 new UPS have been added.
3. Many times, network cable connecting one building to another is damaged due to storms or by monkeys. To find a permanent solution to this problem, an underground cable system has been opted for.
4. Occasionally, internet facility is interrupted due to technical issues of service provider's network (BSNL).
5. Many times, the software/ computers get corrupted or fault in LAN is occurred. Troubleshooting is done by calling local technical expert, if required.

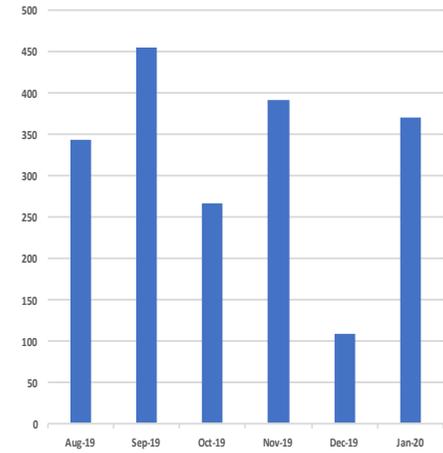
Free ICT Facilities at NRC of the College



Free ICT Facilities at NRC of the College



Users of Free ICT Facilities at NRC



Free ICT Facilities: Provision of separate periods & arrangement of Computer Operator

TIME/CLASS	10:40-11:20	11:20-12:00	12:00-12:40	12:40-1:20	1:20-2:00	2:00-2:40	2:40-3:20	3:20-4:00	4:00-4:40	4:40-5:20
B Sc I	COMPUTER	PHYSICS	PHYSICS	PHYSICS	COMPUTER	COMPUTER	COMPUTER	COMPUTER	COMPUTER	COMPUTER
B Sc II	COMPUTER	PHYSICS	PHYSICS	PHYSICS	COMPUTER	COMPUTER	COMPUTER	COMPUTER	COMPUTER	COMPUTER
B Sc III	COMPUTER	PHYSICS	PHYSICS	PHYSICS	COMPUTER	COMPUTER	COMPUTER	COMPUTER	COMPUTER	COMPUTER
B A I	COMPUTER	PHYSICS	PHYSICS	PHYSICS	COMPUTER	COMPUTER	COMPUTER	COMPUTER	COMPUTER	COMPUTER
B A II	COMPUTER	PHYSICS	PHYSICS	PHYSICS	COMPUTER	COMPUTER	COMPUTER	COMPUTER	COMPUTER	COMPUTER
B A III	COMPUTER	PHYSICS	PHYSICS	PHYSICS	COMPUTER	COMPUTER	COMPUTER	COMPUTER	COMPUTER	COMPUTER
B Com I	COMPUTER	PHYSICS	PHYSICS	PHYSICS	COMPUTER	COMPUTER	COMPUTER	COMPUTER	COMPUTER	COMPUTER
B Com II	COMPUTER	PHYSICS	PHYSICS	PHYSICS	COMPUTER	COMPUTER	COMPUTER	COMPUTER	COMPUTER	COMPUTER
B Com III	COMPUTER	PHYSICS	PHYSICS	PHYSICS	COMPUTER	COMPUTER	COMPUTER	COMPUTER	COMPUTER	COMPUTER

उपरोक्त मुद्दोंक 12 - वादग्रस्त गणेशदेवकी अनुमति से अन्य पर्याय कार्यवाही रात्र निर्णय 2 गतिमान नये आगरी दादी स मई से 22व जूजे गणिक 20व कम्प्यूटर कापरेटर, 6 मिकसमर कर् मागो के आदार पर 6 मिकसमर की रात्रि विधारित की गई।

क्र	वर्ष	पूर्व के प्राय रात्रि	संगो किता रात्रि	अंतर
1	2019-20	230 यूनिट	270 यूनिट	40 यूनिट
2	2020-21	200	330 यूनिट	130 यूनिट
3	2021-22	200	310 यूनिट	110 यूनिट
4	अनुभागीय	10,000	12,000	2,000

उपरोक्त मुद्दोंक निर्णय समिति द्वारा विवेक से उक्त निर्णय अनुसार कार्यवाही किया जाये।

02/07/2021

Minutes of meeting held on 27-9-18

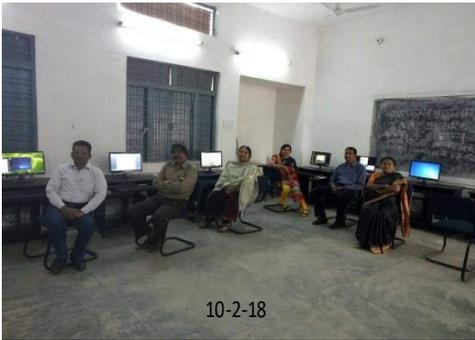
Free ICT Facilities: Distribution of Free Smart phones & Tablets to students



Smart phone distribution during 30th September-1st October 18, Beneficiaries - 1049



ICT Training to Faculty



10-2-18

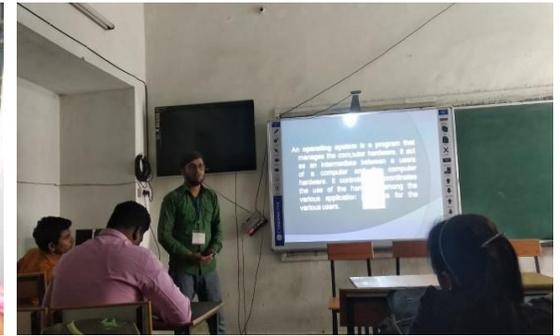


9-7-19



9-7-19

Evidence of Success: Students are frequently using ICT facilities



Evidence of Success: Students are frequently using ICT facilities

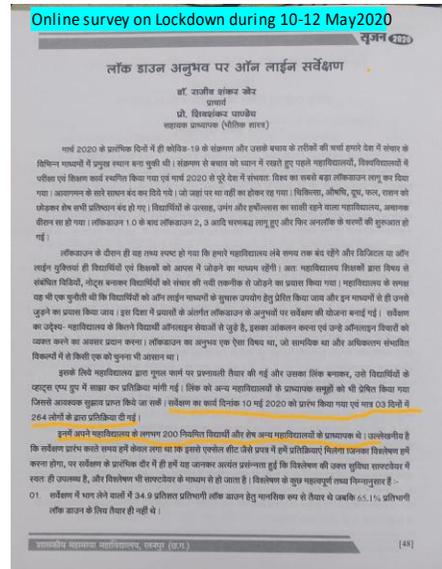
Online Commerce Vizard Test 5-1-20



Live Telecast of FIT India Movement Program on 29-9-19



Evidence of Success: Participation of students in online activities during Lockdown 2020



Online Commerce Vizard Test 22-1-18

Problems Encountered: Underground cabling to overcome frequent damage



(DR.R.S.KHER)
Principal
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