

Swachhata Pakhwada - 2021

February 16 – 28, 2021

Activity Report



Report prepared by:

Advisory Committee for Clean and Green Campus

Raja Ramanna Centre for Advanced Technology

Indore 452 013, M.P.

Swachhata Pakhwada 2021: Activity Report

The objective of the celebration of the 'Swachhata Pakhwada', as part of the 'Swachh Bharat Abhiyaan', is to take up sanitation initiatives, mobilize people, and reinforce the mass movement for cleanliness to contribute to Mahatma Gandhi's dream of a Clean India.

The Secretary, Department of Atomic Energy, through D.O. No. 4/8(1)/2021-SSS/796 dated 14/01/2021 instructed all units to observe "Swachhata Pakhwada" from February 16 to 28, 2021, and undertake innovative cleanliness related initiatives during the fortnight.

Raja Ramanna Centre for Advanced Technology is a unit of the Department of Atomic Energy, Government of India, (www.rrcat.gov.in). The campus encompasses technical area consisting of laboratories, workshops, and offices, as well as residential colony with housing for staff with amenities like school, sports facilities, shopping complex, gardens etc. The campus is spread over a 700 hectare site on the outskirts of Indore city, out of which 177 hectare area is demarcated for residential purpose. At RRCAT, concerted and coordinated efforts have been made involving innovative integrated approaches for Sustainable Clean and Green Environment in the campus. Our innovative approach for developing an eco-friendly institutional culture covers all aspects of swachhata, like waste segregation and management, energy conservation, rain water harvesting, paperless office procedures, plantation drives, cleanliness campaigns, and public awareness programmes. Three R's – Reduce, Reuse and Recycle are being followed as a policy.

These efforts are coordinated by:

- 1) Advisory Committee for Clean and Green Campus,
- 2) Advisory Committee for Infrastructure Development,
- 3) Civil Construction & Maintenance Section, and
- 4) Horticulture Section.

It involves participation of RRCAT staff, CISF staff, AECS students & teachers, M.Tech. project students, HBNI Ph.D. students, and colony residents. The Civil Construction & Maintenance Section, and Horticulture Section puts in enormous efforts for execution of many activities carried out to keep the RRCAT campus clean and green.

In view of COVID-19 pandemic, all the precautions and guidelines issued by the Government of India, were strictly followed in observing Swachhata Pakhwada - 2021 during Feb. 16 to 28, 2021.

In this report, various activities taken up by this Centre have been briefly summarized.

Activities performed during Swachhata Pakhwada - 2021 (1/4)

Activity	Category	Description	Results
1	Public Awareness	<p>Workshop for house-keeping staff</p> <p>Topic: Hygiene and cleanliness issues in the current scenario of COVID-19</p> <p>Venue: Student Facility Hall (RRCAT Guest House)</p> <p>Date and Day: 18-Feb-2021 (Thursday)</p> <p>Time: 10:00 to 11:00 Hrs</p>	<p>Dr. (Smt.) S. Bhavani, Medical Officer, RRCAT and Smt. Sujayita Das (Chief Guest) sensitized 60 house keeping staff towards the importance of cleanliness.</p> <p>Mementoes and face masks for participants</p>
2	Public Awareness	<p>Workshop for Work-Assistants</p> <p>Topic: Hygiene and cleanliness issues in the current scenario of COVID-19</p> <p>Venue: Auditorium in Central complex</p> <p>Date and Day: 23-Feb-2021 (Tuesday)</p> <p>Time: 15:00 to 16:00 hrs</p>	<p>Dr. (Smt.) Manisha Chouhan, Medical Officer, RRCAT sensitized 40 Work Assistants towards the importance of cleanliness.</p> <p>Environment friendly mementoes for participants</p>
3	Public Awareness	<p>Screening of award winning films on swachhata during online celebration of National Science Day (NSD-2021) in RRCAT</p> <p>Date and Day: 28-Feb-2021 (Sunday)</p> <p>Forty specially abled students from Mook Badhir Sanghathan Indore watched these video clips online with the help of interpreter.</p>	<p>Five short video clips were screened during celebration of NSD-2021.</p> <p>About 650 students from 26 schools and 9 colleges watched these swachhata video clips.</p>
4	Public Awareness	<p>Quiz on swachhata for employees</p> <p>Topic: COVID-19 guidelines and Swachhata related initiatives taken by the Government of India</p> <p>Date and Day: 22-Feb-2021 (Monday)</p> <p>Time: 15:00 to 16:00 hrs</p> <p>Venue: Auditorium, Central Complex, RRCAT</p>	<p>Eighty employees participated, fifty questions were asked and three top winners and seven consolation prizes were declared.</p>

RRCAT/Swachhata Pakhwada/Feb-2021

Activities performed during Swachhata Pakhwada - 2021 (2/4)

Activity	Category	Description	Results
5	Hands-on work / Public Awareness	Cleanliness drive in the residential area Cleanliness pledge administered by Director, RRCAT followed by the drive. Date and Day : 20-Feb-2021 (Saturday)	Residents, officials of RRCAT including Director, senior officers, AECS teachers, security and CISF staff, PhD students and trainees participated.
6	Hands-on work / Public Awareness	Cleanliness drive in the technical area Date: 16 to 28-Feb-2021 Participants: Employees of RRCAT	Fifteen divisions submitted reports with photographs for the event.
7	Hands-on work	Special drive for collection of waste paper/scrap from all divisions and its disposal Date and Day : 22-Feb-2021 (Monday)	Collection of waste paper/ scarp of ~ 3.36 MT was collected and properly segregated.
8	Hands-on work / Public Awareness	Swachhata related competitions for employees (i) Competition for cleanest office Date and Day: 24-Feb-2021 (Wednesday) (ii) Competition for best waste management and cleanliness practices in mechanical workshops Date and Day: 25-Feb-2021 (Thursday) (iii) Competition for best managed civil construction site by contractors Date and Day: 26-Feb-2021 (Friday)	Three offices selected from different divisions. One workshop selected from three in the campus. One site selected as best from three construction sites. Each competition was evaluated by a separate committee.
9	Public Awareness / Hands-on work	Competition for Students of AECS, Indore, on following topics: 1. Cleanliness & Preservation of water bodies 2. How to tackle plastic waste (i) Essay Writing (ii) Slogan Writing (iii) Drawing & Painting Date: 16 to 28-Feb-2021 Mode of competition: Online only	Entries were invited in three categories on the basis of class of the student. Categories: Primary, Secondary and Senior Secondary. In each category three prizes for each event were declared. Total of 27 prizes.

RRCAT/Swachhata Pakhwada/feb-2021

Activities performed during Swachhata Pakhwada - 2021 (3/4)

Activity	Category	Description	Results
10	Public Awareness/ Hands-on work	Drawing and Painting Competition for Specially abled (Deaf and Mute) Students from Mook Badhir Sanghathan on swachhata. Date and Day: 25-Feb-2021 (Thursday)	Fifty students participated. sixteen were selected for prizes.
11	Infrastructure /Public Awareness	Fabrication and installation of display boards for spreading the message of hygiene, cleanliness and greenery Location of boards: Near water bodies in colony, Convention Centre, Community Centre, AEC School, Shopping Complex and Medical Centre Date and Day: 16 to 28Feb-2021	Eight boards were fabricated in workshop; swachhata slogans were painted on the boards and installed at different locations in the colony.
12	Infrastructure	Construction of public toilets, painting of outside walls with swachhata messages/sketches and opening for public use Date: 16 to 28-Feb-2021	Three public toilets made operational for public use on a walking stretch of 5 km in the colony.
13	Infrastructure	Preparation of a compost pit to generate nutrient rich organic manure. Date: 16 to 28-Feb-2021 Wet waste was converted to manure by using bacteria culture and vermiculture.	The compost pit was made by reusing and converting the abandoned weigh-bridge pit.
14	Hands-on work/ Innovative approach	Cleaning of water body: De-weeding of upper lake to tackle eutrophication Date: 22 to 25-Feb-2021 It improves BOD (Biochemical oxygen demand) level and helps to overcome eutrophication issues. The parameters play a vital role in maintaining aquatic life. Eutrophication: When the environment becomes enriched with nutrients which causes algal blooms, a problem for marine life in lakes.	De-weeding was done by removing aquatic weeds by pulling of submerged weeds manually using boat.

RRCAT/Swachhata Pakhwada/Feb-2021

Activities performed during Swachhata Pakhwada - 2021 (4/4)

Activity	Category	Description	Results
15	Infrastructure/ Innovative approach	<p>Fabrication & installation of tree guards & fence using Bamboo and Subabul stumps</p> <p>Location: Lake side Community Park, and city forest zone in Sector 5 of RRCAT colony</p> <p>Date and Day: 16 to 28 Feb-2021</p> <p>An innovative measure has been developed by making of tree guards and wooden fence made of bamboo and Subabul stumps from fallen trees or from tree pruning activity.</p>	<p>This activity was taken up as a replacement of Steel shrub guards/fence. These tress guards and fence has been painted with geru/lime to give them proper aesthetics look.</p>
16	Infrastructure/ Innovative approach	<p>Use of construction debris for constructing earth retaining structure</p> <p>Date: 16 to 28-Feb-2021</p> <p>Location: Near Multipurpose Shed no. 3 (MPS-3).</p> <p>Construction debris like bricks, mortar etc. is held together by used chain link for making earth retaining structure.</p>	<p>This activity is beneficial in retaining the soil in the area and also helped in optimizing the construction cost.</p>

RRCAT/Swachhata Pakhwada/Feb-2021

In view of COVID-19 pandemic, all the precautions and necessary guidelines issued by the Government of India, such as wearing of masks, social distancing, frequent washing of hands and use of sanitizers was strictly followed in observing Swachhata Pakhwada - 2021 during Feb. 16 to 28, 2021.

Brief report on each of the above activities are given below.

1. Workshop for house-keeping staff on February 18, 2021 during Swachhata Pakhwada – 2021

As part of celebration of the Swachhata Pakhwada-2021, Raja Ramanna Centre for Advanced Technology (RRCAT) has organized a Workshop on the broad topic of ‘Hygiene & cleanliness issues in the current scenario of COVID-19’ for the housekeeping staff on Thursday, 18 February, 2021. The workshop was held in the lecture hall of Students’ Facilities Centre, situated in the Guesthouse Complex, from 9:30 AM to 11 AM. About 50 staffs participated in the workshop. Mrs. Sujayita Das graced the occasion as the chief guest. Dr. S. Bhavani, of RRCAT Medical Centre delivered a lecture for the participants on the topic of “Swachhta Hi Seva Hai”.

From 9:30 AM onwards, the participants arrived at the venue and they were cordially welcomed by the members of ACCGC and WWC, RRCAT. Videos on award winning films on cleanliness were played for raising awareness among the participants. At 10 AM, the chief guest and the speaker of the day arrived, accompanied by the ACCGC members. They were then called on the dais and each of them were greeted with a floral bouquet. The programme started with a short introduction of the workshop, which was followed by the introduction of Smt. Sujayita Das. Then Smt. Das was called for a speech where she appreciated the overall cleanliness maintained by the cosmetic staff in RRCAT campus. She put emphasis on following all the rules related to cleanliness, specifically in the current situation. She summarized her talk by requesting all the participants to keep themselves and their friends and relatives aware of the COVID-19 related rules and we all should integrate cleanliness and these rules in our day to day lives. She emphasised that cleanliness under this pandemic situation has a special connotation because the Covid virus is invisible and hence the preventive measures needs to be followed every moment unlike conventional garbage. Hence all the preventive measures needs to be understood thoroughly and followed meticulously. She thus mentioned that only these will keep them safe and healthy and bring happiness into their lives.

Before the talk by Dr. Bhavani, she was introduced to the participants and her relentless and dedicated work to keep our centre disease-free was mentioned. In her talk, in the beginning, Dr. Bhavani mentioned that during the lock-down time, we all missed the presence and work done by the housekeeping staffs. After that, with the help of pictures, she nicely explained to the participants how COVID-19 spreads and how we can consciously work towards avoiding the disease. She cautioned them against going to crowded areas and mingling with people during different festival seasons, like Holi and Diwali. She clearly explained how to wash hands, how different diseases spread through our digestive and respiratory systems. She asked the participants to avoid shaking hands with people, and elaborated on why masks and social distancing are necessary. Overall, her messages over the cleanliness and rules in the COVID-19 situation were very nice, crisp and easy to understand. She hoped that with the success of the vaccination drive of the Government and if we maintain the proper life-styles, we will be COVID-19 free soon. The talk was followed by a question-answer session, where both Dr. Bhavani and Mrs. Das whole-heartedly participated.

The programme ended with singing of National Anthem by one and all present in the hall. Each participant was then presented with a gift by the chief guest and then they were

provided with refreshments. The guests were served with the refreshments and the programme ended there.

It is to be noted that the COVID-19 related precautions i.e. ‘use of face mask, social distancing and hand sanitization’ were strictly followed during the whole programme.

A few photographs of the workshop are given below.



2. Workshop for Work-Assistants in RRCAT on cleanliness issues organized on February 23, 2021 during Swachhata Pakhwada – 2021

A workshop was organized for Work-Assistants working in various Divisions of RRCAT on 23.02.2021 at Main Auditorium, Central Complex, RRCAT between 15:00 Hrs to 16:00 Hrs. About 44 Work Assistants attended the workshop. Shri Rajesh Arya, SO/H & Chairman, ACCGC delivered the inaugural address in which he emphasized the importance of keeping our premises clean and green, as well as of maintaining good personal hygiene. Shri S.S. Gondane, CAO, RRCAT also addressed the participants on the subject. Dr. (Smt.) Manisha Chauhan, Medical Officer, RRCAT Medical Centre was invited to deliver a lecture in Hindi on the topic “Hygiene & cleanliness issues in the current scenario of COVID-19/ कोविड- 19 के वर्तमान परिदृश्य में स्वच्छता का महत्व”. She explained briefly how to take care of cleanliness and personal hygiene in this COVID-19 pandemic situation and how cleanliness at micro level has become extremely important in our day-to-day life in order to fight against invisible enemy like corona virus. The queries of the participants were clarified by Dr. Chauhan in a very simple and lucid language and the message of Swachhata was well received by all the participant. At the end of the workshop, all the participants were given a jute bag, a memento to remind them of the importance of environmental protection.

The organization of the workshop was closely monitored by Shri Rajesh Arya, Dr. Aparna Chakrabarti, Dr. Sunil Verma, Shri M.P. Kamath and Smt. Jagriti Khanwalkar, and the administration team led by Shri S.S. Gondane, CAO, Shri S. D. Meena AO-III, Smt. Preeja, APO(G) and a few other staff from administration. The efforts of ACCGC and administration were appreciated by all the participants in organizing such a workshop aimed at making them aware of such an important issue of cleanliness connected with their well-being.

A few photographs of the workshop are shown below.



3. Screening of award winning films on swachhata during online celebration of National Science Day (NSD-2021) in RRCAT

RRCAT celebrated the National Science Day on 28th February in virtual online mode, remembering the great contributions of Dr. C.V. Raman. Students and teachers of schools and colleges from within Indore, nearby districts like Burhanpur, Ujjain, Barwani and Mhow, and also from far-off places like Mallapuram in Kerala and Pilani in Rajasthan, were invited to join the online program for celebration of National Science Day at RRCAT. More than 650 students and teachers from 27 schools and 9 colleges joined the virtual program. A special session was conducted for hearing and speech impaired students from special schools of Indore. Director, RRCAT along with members of organizing committee interacted with these 40 specially abled students in a separate interactive online session. Five award winning short video clips on swachhata were screened during the online program of National Science Day to increase the swachhata related awareness among the students and teachers of schools and colleges. The photographs of the event are given below.



4. Quiz for RRCAT staff organized on February 22, 2021 during Swachhta Pakhwada - 2021

A Quiz for employees of RRCAT, Indore, on the topic of 'COVID-19 related Swachhta guidelines as well as general Swachhata initiatives taken by the Government of India', was organised on 22nd February, 2021. The event was part of the 'Swachhata Pakhwada-2021' (16 to 28 February, 2021) action plan prepared by Advisory Committee for Clean and Green Campus (ACCGC), RRCAT and Administration, RRCAT. A 50-questions quiz was prepared, and Dr. Anand Moorti, conducted it as quiz-master.

For participation, nominations were invited from various Divisions/Independent Sections of RRCAT. A total of 80 participants took part in the event. The event was organised in the Main Auditorium, Central Complex, RRCAT, with a sitting capacity of more than six hundred. Questions were displayed through Over Head Projector one by one, and participants were asked to answer in the given 'answer sheet'. After completion of the quiz, answer sheets were evaluated by event coordinators from ACCGC and Administration. Top ten participants were selected for the award. Out of these, top three positions and 8 consolation prizes were given. During the event, all the COVID-19 guidelines were followed. A few photographs of the event are given below.



5. Cleanliness drive in RRCAT colony on February 20, 2021 during Swachhata Pakhwada - 2021

Swachhata Pakhwada was organized at Raja Ramanna Centre for Advanced Technology, Indore, a premier R & D institute under the Department of Atomic Energy, Govt. of India from 16 to 28 February 2021 as per the guidelines received from the Government of India. As part of the Pakhwada, a cleanliness drive was conducted on February 20, 2021 in the residential area of RRCAT. Several events are being organized in the Centre during this Pakhwada under the guidance of Director, RRCAT, Shri Debashis Das, and overall supervision of the Advisory Committee for Clean and Green Campus (ACCGC), RRCAT. The cleanliness drive started with administering of Swachhata Pledge in Hindi and English by the Director, RRCAT, Shri Debashis Das and Smt. Sujayita Das, respectively. This was followed by cleanliness of the colony by enthusiastic participation of residents of the colony, RRCAT officials in large numbers, which included Scientific Officers, technical persons, security personnels, CISF officials, AECS school teachers, and Ph.D. scholars and trainees. The garbage collected during the drive was suitably segregated and subsequently collected and disposed by the Indore Municipal Corporation. All the safety instructions and guidelines issued by the Government of India to avoid spread of COVID-19 pandemic were followed. A few photographs of the event are given below.



6. Cleanliness drive in technical area of RRCAT during Swachhata Pakhwada - 2021

The objective of the cleanliness drive undertaken in the technical area during 16 to 28 February 2021 was to take up sanitation initiatives, mobilize people and reinforce the mass movement for Swachh Bharat Mission of the Government of India. RRCAT technical area encompasses various Divisions, Sections and Laboratories, Workshops, and Offices of the staff. Cleaning campaigns are periodically organized in the technical area for keeping the premises clean. Due to COVID-19 pandemic outbreak, the importance of maintaining cleanliness in-and-around our working places has become even more important. As part of this initiative, all of the Divisions / Sections / Labs actively participated in the cleanliness campaign between 16 - 28 February 2021. A few representative photographs taken before and after cleaning are given below.



Chemical Treatment Plant (before and after cleaning)



Ultrahigh Vacuum Section (before and after cleaning)

7. Special drive for collection of waste papers and scrap from all Divisions, and its disposal by IRSU during Swachhata Pakhawada-2021

Indore Regional Stores Unit (IRSU) observed Swachhata Pakhawada during the period from February 18 to 28, 2021 in line with the National Cleanliness drive initiated by Govt. of India, to make the ambiance clean. The emphasis is given on total cleanliness not only on Pakhawada days but throughout the year. Several drives have been initiated successfully to maintain the Stores area clean including the Scrap Yard by segregation / sorting / dismantling of scraps as per nature of items. A noticeable change has been observed throughout the area.

A special initiative was taken by IRSU during the Swachhata Pakhawada to clean the “Weigh Bridge”. Under the Weigh Bridge six feet deep water accumulated with sludge. After removing the platform, water was drained out with the help of pump and base area was cleaned thoroughly. Further, initiative was also taken for painting of Weigh Bridge, so that life of equipment could be extended further. To restrict the water logging in future, a suction pump has been installed for draining out the accumulated water during rainy season.

The ACCGC has initiated a special drive through IRSU for collection of scrap materials and waste paper accumulated at various Sections and Divisions of RRCAT. Dedicated resources were engaged for the initiative and scrap materials amounting to 3.36 MT was collected from various Divisions. Laborers’, vehicles and supervisors were deputed to clean the area around Scrap Area and IRSU area. In addition, dust, dry fallen leaves, scrap material, wood etc. accumulated around IRSU building were also cleaned.

Waste material was collected from following Section / Divisions amounting to 3.36 MT.

1. RFSD building
2. Indus II back side
3. LCW plant
4. BDS building
5. BDS Pit
6. D Block Pit
7. Cryogenics Pit
8. H Block pit
9. H-ion Building
10. Administration building
11. Accounts building

Photographs of 40 MT Weigh Bridge before and after the cleanliness drive by IRSU.



A few representative photographs taken before and after the special collection drive of scrap and waste paper from various Divisions are given below:

Sr. No.	Area	Before	After
01	RFSD		
02	BDS		

8. Competition for cleanest office of RRCAT organized during Swachhata Pakhwada - 2021

On February 24, 2021, a committee comprising of Shri Rajesh Arya, SO/H, Dr. Anand Moorti, SO/H, Dr. Sunil Verma, SO/G, and Smt. Jagriti Khanwalkar, SO/G visited offices of eight officials of RRCAT, who were nominated by their respective Heads of the Division for the competition of the Cleanest Office. The office premises were assessed for cleanliness on the following parameters:

- (a) General cleanliness inside as well as just outside the office room
- (b) Arrangement and file-keeping on the office table
- (c) Upkeep of the books & document storage places such as file-cabinets, book shelves etc.
- (d) Cleanliness and general upkeep of computer peripherals
- (e) General aesthetics and interiors of the office
- (f) Ventilation in the office
- (g) Whether reduce and reuse policy is being followed, especially in respect of papers
- (h) Whether COVID-19 precautions are being followed inside the office, such as wearing of masks, pocket sanitizer for self, making social distancing arrangements in the office while for official discussions, proper ventilation etc.

Eight offices which were nominated were visited for evaluation:

On the basis of the evaluation carried out as per the above criteria, the following three officials of RRCAT were declared as the top three winners.

- First:** Shri Pankaj Bhargav, SO/G, LTD
- Second:** Shri Sanjay Sharma, SO/E, DMTD
- Third:** Dr. Beena Jain, SO/G, LPAS

Photographs of the offices of the above officials are given on the next page.

First: Shri Pankaj Bhargav, SO/G, LTD



Second: Shri Sanjay Sharma, SO/E, DMTD



Third: Dr. Beena Jain, SO/G, LPA



9. Competition for best mechanical workshop in RRCAT with respect to waste management and cleanliness practices organized during Swachhata Pakhwada - 2021

A committee comprising of Shri R.K. Agrawal, SO/H, Shri R.V. Joshi, SO/H and Shri Raju John, SO/H visited three workshop sites on 25-02-2021 for assessment of the cleanliness and waste management practices being followed at these sites. It was found that in-general good cleanliness practices are being followed at all the sites. The workshop personnel were properly following the cleanliness practices and placing all the scrap material and scrap chips in proper bins. Supervisors and engineers have taken due precautions, such as wearing of masks and maintaining social distancing in the current situation of COVID-19 pandemic. The evaluation is given below and as per that **Workshop-B (LCDFS)** is adjudged as winner.

The workshop premises were assessed for cleanliness on the following parameters:
1. General cleanliness of the workshop
2. Management and arrangement for disposal of metal scrap
3. Arrangement of waste bins and whether they are properly overflowing
4. Finished jobs and samples are properly arranged and clean.
5. Spares material and tools, which are not in use, are arranged and kept at a proper place.
6. Storage, handling and arrangement of raw material used for manufacture of jobs
7. Whether officials and staff are wearing masks
8. Social distancing being maintained by workers and general awareness among them about COVID-19 precautions.
9. Floor is clear and clean without major obstructions
10. Arrangement of sanitizer.

Some of the photographs taken during the committee visit are given below.



10. Competition for best Civil Construction Site with respect to cleanliness organized during Swachhata Pakhwada - 2021

A committee comprising of Shri R.K. Agrawal, SO/H, Shri Sanjay Sharma SO/E and Shri S.D. Meena, AO-III visited 3 sites on 26-02-2021 for assessment of the cleanliness of civil construction sites. It was found that in-general good practices are being followed at all the sites. Site management is also good and the site supervisors and engineers have taken due care in sensitizing the workers for wearing masks. As per the evaluation criteria given below, the Central Complex Site supervised by Shri Bhagwan Lal Purohit, M/s Singhal Enterprises, Kolkata, is adjudged as the **Best Managed Civil Construction Site**.

Committee also visited the LIGO building construction site, however this is not included in the report as most of the civil-work at this site is almost complete.

The construction sites were assessed for cleanliness on the following parameters:
1. General cleanliness of the site
2. Arrangement for toilets, drinking water for workers
3. Location and cleanliness for Lunch, breakfast etc by workers at site.
4. Disposal of leftover food by workers at the site
5. Storage, handling and arrangements for construction materials
6. Wearing of mask by engineers and site coordinators
7. Social distancing being maintained by workers, wearing of masks and general awareness among them about COVID-19 precautions.
8. Arrangement of sanitizer at site.
9. Schedule for Cleaning of tools.

Some of the photographs taken during the committee visit are given below.





Central complex site



Central complex site



Helium Storage tank Site



Helium Storage tank Site

11. Competitions for students of AECS Indore on cleanliness topics organized during Swachhata Pakhwada - 2021

Swachhata Pakhwada was observed in RRCAT, Indore during 16 to 28 February 2021. As a part of this activity, a competition was organized for students of Atomic Energy Central School (AECS), Indore in an online mode. A pamphlet as given below, was prepared for announcing the competition and its rules. It was circulated among the students through AECS Principal. Competitions were held for three events, namely, (1) Essay writing, (2) Slogan writing, and (3) Drawing & painting. The topics were: (a) Preserving and maintaining cleanliness of water bodies, and (b) How to tackle plastic waste? The students were categorized into three groups. Group-A involved students of primary classes from I to V; Group-B involved students of secondary classes from VI to VIII; and Group C involved students of Senior Secondary classes from IX to XII. Both Hindi as well as English were given as option for writing essay and slogans. Students were given one week time (16 to 23 February 2021) to submit their entries in PDF/JPG file format to the ACCGC members through email. Forty-six entries were received in “Drawing & Painting”, twenty-two in “Essay writing” and twenty-eight entries were received in “Slogan writing”. Maximum entries were received from Group A students. A few entries from each group in each event were selected for the award. Total 27 prizes were given to the selected entries. Collage of a few award-winning paintings are given below as a glimpse of the event.

In addition to the competition for the AECS Indore students, a painting competition was also organized during Swachhata Pakhwada for the students of Indore Deaf Bilingual Academy, Mook Badhir Sangathan, Indore. Total of 50 students participated in the event, out of which four painting were selected for the award. In addition, thirteen paintings were selected for consolation prize.

Competition for Students of AECS, Indore, on Swachhata Pakhwada
Online submission: 16 - 23 February, 2021
Submit to: aecscpetition@gmail.com

Category
Essay Writing: 300 - 500 words
Slogan Writing: 15 words (Maximum)
Drawing & Painting: Paper size - 33.5 cm / 26 cm or standard painting paper
File format: JPG / PDF

The competitions will be conducted group wise in each category as per following

Group A: Class I - V
Group B: Class VI - VIII
Group C: Class IX - XII

TOTAL 27 PRIZES: MULTIPLE PRIZES WILL BE GIVEN FOR BEST ENTRIES IN EACH GROUP FOR EACH CATEGORY

Topics:
1. Preserving and maintaining cleanliness of water bodies
2. How to tackle plastic waste?

Language: English / Hindi

Earth Loves You
Love It Back

Winners of various competitions from AECS, Indore:

Group	Essay	Painting	Slogan
A	Abhishri Shukla (Class II)	Agastha Verma (Class III)	Abhishri Shukla (Class II)
	Anismita Bose (Class IV)	Angshika Bhakar (Class I)	Muskaan Verma (Class V)
	Srishti Melkundi (Class V)	Daksh Wadharia (Class I)	Prabhnor Singh (Class II)
		Lipika Savaner (Class III)	
		Muskaan Verma (Class V)	
		Naivedyam Awale (Class III)	
		Srishti Melkundi (Class V)	
Yashika Parathe (Class II)			
B	Devashree Biswal (Class VI)	L. S. Anchita (Class VIII)	Gyanvi Jain (Class VIII)
	Gyanvi Jain (Class VIII)	Soumil Pai (Class VI)	Pranshi Ladge (Class VI)
	Rupinderjit Kaur (Class VII)	Toshi Sharma (Class VIII)	Rupinderjit Kaur (Class VII)
C	Arushi Singh (Class XI)	Khwaish Verma (Class IX)	Harkeerat Singh (Class IX)
		Sanjeet Sateesan (Class X)	

Winners of Drawing and Painting competition from Indore Deaf Bilingual Academy run by Mook Badhir Sangathan, Indore:

Khushi Kumari	Class XII
Swagat Badaguehhia	Class X
Akash Singh	Class XI
Jatin Manzi	Class V

Collage of a few award winning paintings



12. Construction of public toilets, painting of swachhata messages and opening for public during Swachhata Pakhwada - 2021

RRCAT colony has 1078 houses of various categories with occupancy of about 5000 people. More than 300 labourers are engaged in different construction activities inside RRCAT campus and there are many daily visitors also. Many people walk in colony area in the morning and evening time. Considering all these facts it was decided to construct three public toilets at different locations in colony area in addition to the two public toilets already existing in welfare centre and shopping complex area. Three toilets were made operational at different locations of colony area and opened for public use. One toilet is near Sukhniwas palace, second one is near southside of Convention centre fence and the third one is near Aryabhata Circle. The outside walls of these toilets were painted beautifully by swachhata messages. A few photographs of the newly constructed toilets and the outside wall paintings are shown below.



13. Fabrication and installation of boards with swachhata slogans at several locations in RRCAT colony during Swachhata Pakhwada - 2021

To increase awareness and spread the message of swachhata and environment conservation among the colony residents, especially the younger generation, several boards were fabricated in the Workshop – A and subsequently installed at different locations of RRCAT colony. These slogan boards are installed at the following locations: (i) North and South sides of the Brahmagupta circle near upper lake, (ii) in front of Convention Centre, (iii) in front of Golden Jubilee Guest House, (iv) in front of Lakeside Community Welfare Centre, (v) near Palace Gate crossing, (vi) near Shopping Centre, and (vii) in front of RRCAT Medical Centre. A few photographs showing the slogan boards before and after installation are shown below.



14. Preparation of compost pit for making organic manure by bacteria culture and vermiculture

Wet waste collected from the residences of RRCAT colony as well as guesthouse is treated at Nisargruna Biogas plant located near guesthouse. In order to process the excess wet waste generated from RRCAT colony and guesthouse, a new compost pit has been constructed near the biogas plant by reusing and converting the abandoned weigh-bridge pit for this purpose. In this compost pit the organic manure is made using bacteria culture and vermiculture. The photographs of the newly constructed compost pit are shown below.



15. Use of construction debris for constructing earth retaining structure during Swachhata Pakhawada - 2021

The multi-purpose shed No. 3 (MPS-3) is being renovated for housing the premises of the Incubation Centre at RRCAT. Old used bricks obtained by removal of the existing partitions in the civil structure of the MPS-3 building were accumulated by removing the old mortar, and utilized in construction of earth retaining structure. The retaining structure is held together by old chain link.

Construction of retaining structure with old used bricks and mortar material along the Sukhniwas Palace road has not only led to use of construction debris in a beneficial way but also led to support of soil to the trees by filling the area with soil. The idea of Gabion structures have been applied for the objective which has helped in optimizing the construction cost of retaining structure. A gabion wall is a retaining wall made of stacked stone-filled gabions tied together with wire. Gabion walls are usually battered (angled back towards the slope), or stepped back with the slope, rather than stacked vertically. The photographs of the newly constructed earth retaining structure are shown below.



16. Water body cleaning at RRCAT colony during Swachhata Pakhwada – 2021 by carrying out de-weeding to overcome the problem of eutrophication

Two water bodies known as Sukhniwas lake and Upper lake situated in the colony area serve as important landmarks of the RRCAT campus, and are home to various species of fishes and attract various migratory birds. As an environment protection measure, up keeping of water bodies by removing aquatic weeds is a functional activity to keep the water clean and check turbidity. De-weeding operations were taken up by removing aquatic weeds by pulling of submerged weeds manually using boat. The activity not only controls the turbidity levels but improve biochemical oxygen demand (BOD) level and address the eutrophication issues. The parameters play a vital role in maintaining aqua life. A few photographs showing de-weeding activity are shown below.



Aquatic weeds removed from the upper lake (before and after the removal)

17. Fabrication and installation of tree guards and fence using bamboo and Subabul stumps during Swachhata Pakhwada - 2021

Protection of trees in the Gardens, parks and city forest zones in RRCAT Colony, which are public places has been a challenge. An innovative measure has been developed by making of tree guards and wooden fence around city forest zone by using Bamboo and Subabul (agro-forestry plant species) stumps from fallen trees or from tree pruning activity. This activity was taken up as a replacement of traditionally steel made shrub guard and fence. The items carved out have been installed in the Lake Side Community Park, and city forest zone developed in Sector-5, near Vindhya Tower in RRCAT Colony. These tree guards and fence have been painted with geru and lime to give them proper aesthetics look. A few photographs of the fence and tree guards are given below.



Fence of City Forest near Vindhya Tower in Sector-5, RRCAT Colony



Tree guards in Lake Side Community Park

18. Newspaper reports on activities organized during Swachhata Pakhwada - 2021

Swachhata Pakhwada - 2021 at RRCAT
Newspaper reports on cleanliness activities

<p>आरआर कैट में अधिकारी-कर्मचारियों ने अभियान चलाकर की सफाई</p>  <p>इंदौर राजा रमन्ना प्रगत प्रौद्योगिकी केंद्र (आरआर कैट) में स्वच्छता पखवाड़ा आयोजित किया जा रहा है। इसके तहत कैट कॉलोनी में स्वच्छता अभियान चलाया गया। कैट निदेशक देवाशीष दास व सुजयिता घोष ने लोगों को स्वच्छता की शपथ दिलवाई। इसके बाद बड़ी संख्या में मौजूद साइंटिफिक ऑफिसर, तकनीकी, सुरक्षा विभाग के कर्मचारी, सीआईएसएफ के अधिकारी, आईसीएस स्कूल के शिक्षक, पीएचडी स्कॉलर और प्रशिक्षुओं ने कॉलोनी की सफाई की। गोला-सूखा कचरा अलग करने के बाद नगर निगम के माध्यम से निपटान करवाया गया।</p>	<p>दैनिक भास्कर 22/2/21</p> <p>नई दुनिया 21/02/2021</p> <p>प्रभात किरण 21/02/2021</p>	<p>आरआरकेट में मनाया स्वच्छता पखवाड़ा</p> <p>इंदौर। राजा रमन्ना प्रगत प्रौद्योगिकी केंद्र (आरआरकेट) में 16 से 28 फरवरी स्वच्छता पखवाड़ा मनाया जा रहा है। इसके तहत शनिवार को आरआरकेट के आवासीय परिसर में सफाई अभियान चलाया गया। इसकी शुरुआत संस्थान के निदेशक देवाशीष दास के मार्गदर्शन में हुई। संस्थान के स्वच्छ और हरित परिसर के लिए काम करने वाली सलाहकार</p> <p>इंदौर: नए। राजा रमन्ना प्रगत प्रौद्योगिक केंद्र में स्वच्छता पखवाड़ा शुरू हुआ, 28 फरवरी तक चलेगा। कैट के महानिदेशक देवाशीष दास ने आवासीय परिसरों में सफाई अभियान चलाया। शपथ दिलाई जिसमें कैट के सभी वैज्ञानिक, तकनीकी कर्मचारी, सुरक्षा कर्मचारी, सीआईएसएफ के अधिकारी, रिसर्च स्कॉलर और छात्र शामिल हुए। कोविड महामारी के चलते यहां एक सत्र का आयोजन भी किया गया। बायोडिग्रेडेबल कचरे का उपयोग करके कम्पोस्ट किट बनाई जाएगी। परमाणु ऊर्जा केंद्रीय विद्यालय के छात्रों के लिए निबंध लेखन, चित्रकारी जैसी कई प्रतियोगिताओं का आयोजन किया जा रहा है।</p>
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19. RRCAT colony declared as "Zero Waste Colony"

Zero Waste Colony
RRCAT colony has been declared as Zero Waste Colony by Indore Municipal Corporation (IMC)



RRCAT/Swachhata Pakhwada/Feb-2021

20. Swachhata Awards received by RRCAT, Indore

Swachhata Awards received by RRCAT 1/3

First Rank awarded to RRCAT colony in Swachhata Rankings by the Indore Municipal Corporation

Cleanest Colony of the Cleanest City in India



RRCAT/Swachhata Pakhwada/Feb-2021

Swachhata Awards received by RRCAT 2/3

First Rank in Swachhata awarded to RRCAT among all the Central Government Residential Colonies in Indore. The Competition was organized by Central Government Employees Welfare Coordination Committee (CGEWCC)

Cleanest Colony of the Cleanest City in India



RRCAT/Swachhata Pakhwada/Feb-2021

Swachhata Awards received by RRCAT 3/3

"Certificate of Excellence" with Third Rank among DAE units was awarded in 2020 to RRCAT by Chairman, AEC and Secretary, DAE along with "Swachhata Pakhwada Award - 2020" sponsored by Department of Drinking Water and Sanitation



Certificate of Excellence



Swachhata Pakhwada Award - 2020