



Shiksha Mandal's

BAJAJ INSTITUTE OF TECHNOLOGY, PIPRI, WARDHA

CRITERION-III

Metric: 3.4.3

Number of extension and outreach programs conducted by the institution through organized forums including NSS/NCC with involvement of community during the last five years

Shiksha Mandal's

Bajaj Institute of Technology

(Approved by AICTE, and affiliated to Dr. Babasaheb Ambedkar Technical University, Lonere)

Arvi Road, Pipri – Wardha - 442001

Post Box. No. 25, Phone / Fax (07152) 254770, 255770

Web Site: www.bitwardha.ac.in, Email : bit@bit.shikshamandal.org



Report on Village Survey Programme

Bajaj Institute of Technology, Wardha, organized the Village Survey Programme from 17th December 2018 to 21st December 2018. These surveys were conducted under the Unnat Bharat Abhiyaan.

The students visited five villages (Bhaiyyapur, Mamdapur, Sati, Nimsada and Takli chana) of Wardha district which have been adopted for launching various development schemes. The volunteers interacted with the villagers in order to get acquainted with the basic problems which the people are facing in villages. Total 85 volunteers have participated in village survey programme.

Glimpses of the event are as follows:





Dr. Sabir

PROGRAMME OFFICER
National Service Scheme (NSS)
Bajaj Institute of Technology,
WARDHA



Shiksha Mandal's
Bajaj Institute of Technology
(Approved by AICTE, and affiliated to Dr. Babasaheb Ambedkar Technical
University, Lonere)
Arvi Road, Pipri – Wardha - 442001
Post Box. No. 25, Phone / Fax (07152) 254770, 255770
Web Site: www.bitwardha.ac.in, Email : bit@bit.shikshamandal.org



Report on Blood Donation Camp

The National Service Scheme (NSS) unit of Bajaj Institute of Technology, Wardha, organized a blood donation camp in collaboration with blood bank of Datta Meghe Institute of Medical Science, Wardha, on **12th January 2019** to mark the birth anniversary of Swami Vivekanand, “The National Youth Day”..

The camp began at 10.00 a.m. with a short inaugural function where in Dr. Narendra Kanhe, Principal of the college was given a floral welcome by Dr. Sabir, NSS Programme Officer. Dr. N. Kanhe expressed his gratitude to the NSS unit of the college for its continuous endeavor in this regard. He also stressed on the growing need of blood in the state and commended the young volunteers for their noble act.

The Camp was started by NSS Volunteer by Donating Blood. 101 volunteers came forward to donate blood during the camp which included teaching & non-teaching staff, students. At the end 89 units of Blood was collected. The blood donors were provided with a blood donation certificate card by DMIMS and the camp concluded at around 2.30 p.m.

Glimpses of the event are as follows:



राहे. निरी भा मेघे या त्या ख्ये ण, ती, रु, टी ये ती 4 न य तो 5

करण्यात आले. राज्यस्तरावर प्रतिनिधित्व करणाऱ्या निखिल गावंडे यांनी सर्व स्पर्धकांना क्रीडा प्रतिज्ञा दिली. प्रास्ताविक प्राचार्य जाधव यांनी केले. संचालन प्रा.अमोल गाडयकर यांनी केले तर पद्माकर पेटकर यांनी आभार मानले.



रक्तदान शिबिर

वर्धा : स्यामी विवेकानंदच्या जन्मदिवसानिमित्त बजाज इंस्टीट्यूट ऑफ टेक्नॉलॉजीमध्ये हेडगेवार ब्लड बँक नागपूर यांच्या सहकार्याने रक्तदान शिबिर आयोजित केले होते. राष्ट्रीय सेवा योजना या कार्यक्रमाचे १०१ विद्यार्थी, शिक्षक व कर्मचारी वर्गाने रक्तदान केले. संस्थेचे प्राचार्य डॉ. नरेंद्र कान्हे व शिक्षा मंडळचे सभापती संजय भार्गव यांनी या महान कार्यासाठी रक्तदान करणाऱ्यांचे अभिनंदन केले. हेडगेवार ब्लड बँकच्या अधिकाऱ्यांनी विद्यार्थ्यांना रक्तदानामुळे होणारे फायदे सांगितले.

Dr. Sabir
NSS, Programme Officer

PROGRAMME OFFICER
National Service Scheme (NSS)
Bajaj Institute of Technology,
WARDHA



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Report on Water Preservation

The National Service Scheme (NSS) unit of Bajaj Institute of Technology celebrated Water Preservation and Forest Day on **31st March 2019**. NSS volunteers expressed their views and displayed posters for the betterment of mankind. Large number of students attended the programme. Dr. M. Sabir, the programme incharge administered oath to the volunteers on this occasion in order to save water as well as forest.

Glimpses of the event are as follows:





Dr. Sabir
NSS, Programme Officer

PROGRAMME OFFICER
National Service Scheme (NSS)
Bajaj Institute of Technology,
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Report on Tree Plantation

The National Service Scheme (NSS) unit of the institute organized the event of Tree Plantation on 5th June 2019 on the Occasion of “World Environment Day”. Trees are the foremost source for producing the oxygen in environment, they help to reduce the level of Carbon dioxide. As we all know that the whole world is facing the problem of global warming, loss of biodiversity and to recover from such problems planting the trees has become one of the most important aspects today.

Total 55 trees were planted by all others including teachers, staffs and volunteers.

Photographs of the event are as follows:





Prof. Sabir
NSS, Programme Officer

PROGRAMME OFFICER
National Service Scheme (NSS)
Bajaj Institute of Technology,
WARDHA



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Gandhi Jayanti – Peace March - 2019

The National Service Scheme (NSS) unit of Bajaj Institute of Technology, Wardha, commemorated the Gandhi Jayanti on **02nd October 2019**.

A peace march was organized by the National service scheme unit at Bajaj Institute of Technology, Wardha on the occasion of Mahatma Gandhi's 150th birth anniversary on October 2nd, 2019. The NSS volunteers to Pain staining efforts in creating awareness among people about Gandhi's philosophy and principles. On this occasion, both staff as well as students were present in large number.

Glimpses of the event are as follows:





Prof. Sabir
NSS, Programme Officer

PROGRAMME OFFICER
National Service Scheme (NSS)
Bajaj Institute of Technology,
WARDHA



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Avoid Plastic Use and Cleanliness drive

The National Service Scheme (NSS) unit of Bajaj Institute of Technology, Wardha, conducted Cleanliness Drive on **13th September 2019**.

The national service scheme unit of Bajaj Institute of Technology organized a massive 'Avoid Plastic as well as cleanliness program. The volunteers removed used plastic and cleaned the area of adjoining villages and its campus respectively. They took an oath to avoid using plastic in their own life and also to create awareness among people against its bad effects.

Almost 120 NSS volunteers' part in the cleanliness drive and cleaned the surrounding area of the campus and the village Pipri.

Glimpses of the event are as follows:



Prof. Sabir

PROGRAMME OFFICER
National Service Scheme (NSS)
Bajaj Institute of Technology,
WARDHA



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Dept. of Electrical Engineering

Power BIT

ACTIVITY REPORT (Session 2019-20)

MANAVTA- Cloth donation

Name of activity: Cloth Donation

Date and venue of activity: 14 November 2019 at Anandvan Visava Prkalp,
Sewagram , Wardha.

Internal co-ordinators: HOD Dr. Harshit Dalvi
Prof. A. S. Marothiya
Forum members.

Purpose of activity:

Purpose of this activity was to inculcate sense of social responsibility towards society among students and to provide the collected clothes to the needy ones.

Activity summary:

All the college students from various branches, faculty members and staff came forward and donated clothes which were then taken to the ashram by the coordinators and forum members. Forum members interacted with people in the ashram and distributed clothes to them.

Details and data records of the clothes that were collected:

Sr no	Name of item	Quantity
1	Men's wear	67
2	Women's wear	21
3	Kids wear	67
4	Winter clothes	62




HEAD
Department of Electrical Engineering
Bajaj Institute of Technology, NARODA

महारोगी सेवा समिती, वरोरा

स्थापना १९४९

[नॉदणी क्र. F-24(C) - महाराष्ट्र सार्वजनिक विबस्त कायदा, १९५० अंतर्गत]

मु. पो. आनंदवन,

तालुका : वरोरा, जिल्हा : चंद्रपूर,

महाराष्ट्र राज्य, (भारत), पिन: ४४२९१४

ई-मेल : finance@maharogisewasamiti.org

वेबसाईट : www.anandwan.in

दुरध्वनी : + ९१ - ७१७६-२८२०३४

धमणध्वनी : + ९१ - ९६८९३४४१११

आनंदवन : ०९ : नवम्बर : २०२३

दीपावली

एवम्



नुतन संवत्सर के पर्व पर हार्दिक शुभकामनायें !!

आत्मीय श्री. अनिरुद्ध मारोटियाजी

द्वारा : बजाज इन्स्टिट्यूट ऑफ टेक्नॉलॉजी [वर्धा]

वर्धा ४४२ ४०२

सादर प्रणाम

दीपावली एवम् नुतन संवत्सर के मंगल पर्व पर

आपको ... बजाज इन्स्टिट्यूट के सभी मान्यतर सदस्यों को आमटे तथा आनंदवन परिवार की ओरसे हार्दिक शुभकामनायें !!

गत दो साल से हमारे विसावा प्रकल्प पर रह रहे बांधवों की दीपावली आप के योगदान स्वरूप प्राप्त पुराने कपडों के कारण सुहावनी होती जा रही है. आप के इस अपनापन तथा सामाजिक दायित्व का हम सम्मान करते हैं ... अंत:करणपूर्वक आभार भी व्यक्त करते हैं.

केवल कुष्ठरोग के कारण

समाज के साथ नजदिकी रिस्तेदारों से बहिष्कृत इन बांधवों ने ना रिस्तेदारों को दोषी ठरहराया ना ही अपने नसीब को ! उन्हाने तान ली की उन्हे संस्थामे रह कर ही अपनी नयी जिन्दगी बसानी है. बाबा आमटे ने उन्हे विश्वास दिलाया, याचना के लिए हाथ फैलाने के बजाय उनके हाथों को काम दिया, नवनिर्मिती की दिशा दिखलायी, जिस के कारण मध्यभारत के आदिवासी परिसरमे ०६ प्रमुख प्रकल्पोंका निर्माण हुवा, विविध उपक्रम चलाने मे मदद मिली. आप को विश्वास नही होगा संस्थामे रह रहे बांधवों की आवास व्यवस्था, स्कूलों, कार्यशालाओं की इमारतें तथा खेती, गोशाला, जल, पेयजल की सारी व्यवस्था मे उनका ही पूरा योगदान रहा है. संस्था का दैनंदिन कारोबार सन्हालने में वे अग्रसर रहे हैं

आनंदवन के साथ अन्य प्रकल्पों पर आप का ... आपके परिवार का हमेशाही स्वागत

भवदीय,

डॉ. विकास आमटे

सचिव : मुख्य कार्यकारी अधिकारी - महारोगी सेवा समिती, वरोरा

द्वारा : श्री. उमेश ठाकूर
विसावा प्रकल्प प्रमुख : सेवाग्राम



सूचना का
अधिकार

Dr N Saravana Kumar, IAS
Joint Secretary (ICC/P)
Tel.: +91-11-23071486
Fax: +91-11-23071487
E-mail: saravana.kumar@gov.in

भारत सरकार
मानव संसाधन विकास मंत्रालय
उच्चतर शिक्षा विभाग
शास्त्री भवन
नई दिल्ली - 110 115
GOVERNMENT OF INDIA
MINISTRY OF HUMAN RESOURCE DEVELOPMENT
DEPARTMENT OF HIGHER EDUCATION
SHASTRI BHAVAN
NEW DELHI-110 115

D.O. No.5-1/2016-UBA

Dated: 20th July, 2018

Dear District Collector,

As you may be aware, UNNAT BHARAT ABHIYAAN is a flagship programme initiated by Government of India with the objective to engage reputed Higher Educational Institutions (both central and state; public and private) to understand and work in rural areas. As of now, 750 reputed institutions have been selected on a challenge mode. With the intention of enriching rural India, these selected institutions are expected to customise the available technologies or develop new technologies as per the local needs and also to improve the implementation of existing government programmes.

The details of the selected Higher Educational Institute(s) in your district, along with the selected 5 villages and also the contact details of Project Coordinator of the said institute(s) are attached herewith.

I request you to facilitate the works of the selected Institute(s) in the identified villages, through following interventions:

1. Facilitate meeting of Project Coordinator with all concerned stakeholders like Gram Panchayats, BDOs, District Development Authority etc.
2. Your guidance to the selected Institute(s), with regard to the needs of the district/ selected villages;
3. Mobilisation of funds from district administration or other sources to the Institute, if possible, in accordance with the activities under UBA.
4. Time to Time review under your leadership.

In this regard Secretary, Higher Education has also requested for facilitation vide D.O. No 5-1/2016-UBA dated 16-4-2018.

IIT, Delhi is the National Coordinating Institute for the implementation of Unnat Bharat Abhiyan. For any clarification, your office may contact IIT Delhi (unnatbharatabhiyanitd@gmail.com) / 011-26591157/26596451 or the undersigned.

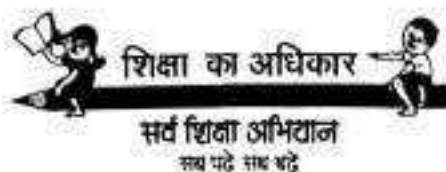
Thanking you,

Yours sincerely,

(N Saravana Kumar)

Enclosed: As above.

Copy To :- Secretary, Higher Education of all States/UT's.





COLLECTOR OFFICE, WARDHA
CIVIL LINE, WARDHA (MAH)- 442001

TEL NO : 07152- 240102
FAX NO : 07152- 240533

WEB :www.wardha.nic.in
E-mail collector.wardha@maharashtra.gov.in

No. dpo/wardha/Ws-4J2018

Dated : 27 November,2018

To,

The Joint Secretary (ICC/P)
Ministry of Human Resource Development
Department of Higher Education
Govt. of India
Shastri Bhavan,
New Delhi- 110115

Subject :- Consent of facilitation for 'Unnat Bharat Abhiyan' participation
of Bajaj Institute of Technology, Wardha.

Reference :- Your letter No. 5-1/2016-UBA dated 20th July 2018

Sir,

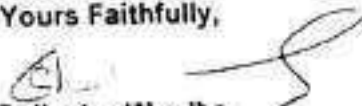
With reference to the subject cited above and the reference letter mentioned,
it is consented from our office that we will facilitate Bajaj Institute of Technology, Wardha
in their works for 'Unnat Bharat Abhiyan'.

The Institute is consented to work for the upliftment of following five villages
in the Abhiyan, viz :- (1) Takli (Chana) (2) Nimsada (3) Mamdapur (4) Sati (5) Bhaiyapur

This office assures the required help to the Institute for the successful
conduction of works under 'Unnat Bharat Abhiyan'.

With warm regards.

Yours Faithfully,


Collector, Wardha
Maharashtra.

Copy to : Principal Bajaj Institute of Technology, Wardha.



Bajaj Institute of Technology, Wardha

(A Hindi Linguistic Minority Institute)

Approved by AICTE, DTE and Govt. of Maharashtra. DTE Code - 4649

Affiliated to Dr. Babasaheb Ambedkar Technological University, Lonere, Dist. Raigad

Post Box No. 25, Arvi Road, Pipri, Wardha - 442001. Phone: 07152-254770, 255770, Fax: 230506

Ref No. B.I.T./UBA/VI/01/5/15/2018/12

APD to
Pr. only
Date 27/11/18
Shr

To
The District Collector
Wardha Distt
Wardha

Subject :- Participation in "Unnat Bharat Abhiyan" of Government of INDIA.

Ref :- Letter No. D.O. No. 5-1/2016-UBA, dated 20th July 2018 from Dr. Sarvanna Kumar, IAS,
Joint Secretary (ICCP), Government of INDIA.

Sir,

With reference to the subject cited above and with reference to the letter attached (as mentioned in ref), I the undersigned, on behalf of Bajaj Institute of Technology Wardha request your kind consent letter to us for participating in "Unnat Bharat Abhiyan".

Initially we selected the five villages to work in as :-

- 1) Sukali 2) Kharangna (Gode) 3) Kshirsamudra 4) Yelakeli 5) Pandharkawda

Now considering the need of villages and our faculty and students' active participation, we would like to work in following villages for customising available technologies / developing technologies for the villages upliftment.

Block Deoli :- 1) Takali(chana) 2) Nimsada 3) Mamdapur

Block Hinganghat :- 1) Sati 2) Bhaiyapur

You are requested to accord your kind consent for the same and help in facilitating the work of our institute, to make the project successful.

Thanking you in anticipation.


Dr. Narendra Kanhe
Principal
Bajaj Institute of Technology,
Wardha



Shiksha Mandal's
Bajaj Institute of Technology, Wardha
(Affiliated to DBATU, Lonere, Raigad, Maharashtra)

Academic Session: 2019-20

Doc. No.: BIT/FY/ Grant

Date: 25/01/2020

Report on project grant received under Unnat Bharat Abhiyan

The institute has submitted a project titled 'Installation of the solar microgrid in the school building' for the school in the adopted village Chana (Takli), District Wardha. The project was approved under the customization of technology by the Subject Expert Group (SEG) and National Steering Committee (NSE) of Unnat Bharat Abhiyan on 19/12/2019. Unnat Bharat Abhiyan has approved Rs. 50000/- grant to implement the project under Rural Energy Systems.

This project will ensure 24 hours electricity supply in the school and help to reduce the electricity bill of the school. Also, the project will provide off-grid energy options for the development of schools in rural areas.

Dr. Vivek Bhusari

UBA Coordinator

Dr.N.M.Kanhe

Principal
PRINCIPAL

Bajaj Institute of Technology
PILSA, Wardha

जि.प.उच्च प्राथमिक शाळा, टाकळी (च.)
केंद्र - गिरोली, पं. स. देवळी, जि. वर्धा
U-DISE No. 27080304801



To,
The Principal
Bajaj Institute of technology,
Pipri Meghe, Wardha.

sub : Testing Report of solar power system installation.
R/sir,

The above subject are informed that the installation of solar power system provided by our organization at Z.P. Upper primary school Taklichona has been completed the final work of electric meter installation and testing through the agency of "Subtropical renewable pvt. Ltd. Nagpur".

All installation work and testing of solar power system is found to be correct.

For submission of certificate on above subject to your service.

Thanking you.

Date : 09/11/2023


मुख्याध्यापक
जि. प. उच्च प्रा. शाळा, टाकळी (बना)
पं. स. देवळी, जि. प. वर्धा



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Report on Blood Donation Camp

The National Service Scheme (NSS) unit of Bajaj Institute of Technology, Wardha, organized a blood donation camp in collaboration with blood bank of Datta Meghe Institute of Medical Science, Wardha, on **14th February 2020** to mark the Kargil Warriors' Day.

The camp began at 10.00 a.m. with a short inaugural function where in Dr. Narendra Kanhe, Principal of the college was given a floral welcome by Dr. Sabir, NSS Programme Officer. Dr. N. Kanhe expressed his gratitude to the NSS unit of the college for its continuous endeavor in this regard. He also stressed on the growing need of blood in the state and commended the young volunteers for their noble act.

The Camp was started by NSS Volunteer by Donating Blood. 95 volunteers came forward to donate blood during the camp which included teaching & non-teaching staff, students. The blood donors were provided with a blood donation certificate card by DMIMS and the camp concluded with thanks to the collaborator.

Photographs of the event:





Dr. Sabir

PROGRAMME OFFICER
National Service Scheme (NSS)
Bej-J Institute of Technology,
WARDHA



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Corona Awareness Program

The National Service Scheme (NSS) unit of Bajaj Institute of Technology, Wardha organised online program for the students on Corona Awareness on 21st May 2020.

The guidelines stated by Central and state government were narrated to the students. Dr. Dhanashree Hiwrale, Covid Medical Officer explained the guidelines to students about covid – 19. She also insisted them to take appropriate care and follow the guidelines which were given by government. She also suggested some majors like keep in social distance, washing hands frequently, always wearing masks also asked to take healthy diet. More than 100 Students and their parents actively participated and attended the meeting.

Glimpses of the event are as follows:





Prof. V. P. Rayekar
PROGRAMME OFFICER
NSS, Programme Officer
Boj-j Institute of Technology,
WARDHA



Shiksha Mandal's

Bajaj Institute of Technology

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Web Site: www.bitwardha.ac.in, Email : principal@bitwardha.ac.in



Covid Awareness Program

The National Service Scheme (NSS) unit of Bajaj Institute of Technology, Wardha, conducted mass awareness program in the surrounding area of college (Pipri) on 20th June 2020.

The program was initiated by girls students because the activity conducted as part of Covid- 19 Awareness Campaign scheme for the women self-help group members of the village. As a volunteer of NSS unit, students considered that it was their duty to make people aware about the Covid – 19 and its ill effects, so that they can save their as well as others live. After attending the mass awareness program, some students also conducted a program under Covid Awareness Campaign scheme aiming to create awareness about corona virus among the restricted community in the society. They also asked them to register on the “Arogyasetu” application, so that they will get alerts and update about the Covid – 19. The programme was attended by good number of volunteers.

Glimpses of the event are as follows:



Iskander

PROGRAMME OFFICER
National Service Scheme (NSS)
Bajaj Institute of Technology,
WARDHA



Shiksha Mandal's

Bajaj Institute of Technology

(Approved by AICTE, and affiliated to Dr. Babasaheb Ambedkar Technical University, Lonere)

Arvi Road, Pipri – Wardha - 442001

Post Box. No. 25, Phone / Fax (07152) 254770, 255770

Web Site: www.bitwardha.ac.in, Email: bit@bit.shikshamandal.org



Awareness Program on National Voter Service Portal

The National Service Scheme (N.S.S) unit of Bajaj Institute of Technology, Wardha celebrated National Voters' Day on **25th January 2021** to mark the foundation day of Election Commission of India. Theme for this year's NVD is 'Making Elections Inclusive, Accessible and Participative'.

The event started with a welcome speech by the Principal, Dr. Narendra M. Kanhe. He addressed the students about the importance of voting. He also advised to think differently for society, to make positive changes. He said that "when you vote, you vote for your better future". The main purpose of the NVD celebration is to encourage, facilitate, and maximize enrolment, especially for the new voters. Dedicated to the voters of the country, the day is utilized to spread awareness among voters and to promote informed participation in the electoral process. As an occasion of Voters Day students were encouraged to participate in various events like Elocution and Essay Writing Competitions. Prof. Vikas Ravekar, NSS Programme officer coordinated the events and the Principal, Teaching and Non-teaching staff and students attended the program.

Photographs of the activity:



Vikas Ravekar

PROGRAMME OFFICER
National Service Scheme (NSS)
Bajaj Institute of Technology,
WARDHA



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(Approved by AICTE, and affiliated to Dr. Babasaheb Ambedkar Technical
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Campus Cleaning Drive

Clean environment is an indicator of progress of human being and with the motto of clean environment; Government of India has initiated 'Swaccha Bharat Abhiyan'. The NSS unit of Bajaj Institute of Technology took this opportunity and initiated cleanliness drive in and outside the college campus at 26th January 2021 on the Occasion of "Republic Day". As a part of regular NSS activities, NSS unit had organized cleanliness drive in the college campus and across the approach road.

The event began with the welcome speech by the Principal, Dr. Narendra M. Kanhe. He addressed the volunteers and staff about the role of cleanliness in human life. He also advised the volunteers not to throw litters, waste paper in and around campus.

The activity was started from the workshop of the Institute. During this activity volunteers cleaned the approach road from staff quarters to College entrance and chopped the unwanted bushes along road side. They also removed the grass and weeds besides the college building and picked up all plastic garbage from college campus. The renewable such as dry leaves, twigs, papers etc. and non-renewable wastes such as carry bags, and plastic items etc. were collected separately. The renewable waste was collected and was given to agriculture college for composting. Total 65 volunteers and staff members participated in this event

Glimpses of the event are as follows:





A handwritten signature in black ink, appearing to read 'D. R. Raut', is positioned above the printed name.

PROGRAMME OFFICER
National Service Scheme (NSS)
Bajaj Institute of Technology,
WARDHA

DETAILED DESIGN REPORT

- **Foundation soil**

Soil Classification: Gravelly sand (GP – Poorly Graded Gravel)

$$\gamma = 18 \text{ kN/m}^3$$

$$\theta = 30^\circ$$

C = 0 (It was observed negotiable it is assumed as zero)

Compaction parameters:

$$\gamma_{d_{\max}} = 20 \text{ kN/m}$$

$$\text{OMC} = 13 \%$$

- **Backfill Soil:**

Soil Classification (Well Graded Gravel (GW))

$$\gamma = 19 \text{ kN/m}^3$$

$$\theta = 40^\circ$$

$$C = 0$$

➤ **The Rankine's active force per unit length of wall**

$$Pa = \frac{1}{2} \gamma H^2 Ka \qquad Ka = \frac{1 - \sin \theta}{1 + \sin \theta} = 0.207$$

$$= \frac{1}{2} \times 19 \times 5.0^2 \times 0.207$$

$$= 50.94 \text{ kN/m}$$

- **Factor of Safety Against Overturning**

Section No.	Area m ²	Weight/unit length (KN/m) V	Moment arm (m)	Moment KN./m/m
1	0.50 X 5.0	60	1.46	87.6
2	$\frac{1}{2} \times 0.7 \times 5.0$	42.6	0.97	41.322
3	0.50 X 2.41	28.92	1.2	34.70
4	0.70 X 5.00	66.5	2.06	136.99
5	0.50 X 1.50	14.25	0.25	3.5625
		$\Sigma V = 212.27$		$\Sigma MR = 304.17$

$$\text{Overturning moment } MO = Ph \frac{H}{3} = 50.94 \times \frac{5}{3}$$

$$= 86.42 \text{ KN} - \text{m/m}$$

$$FS_{\text{overturning}} = \frac{\Sigma MR}{MO} = \frac{304.17}{86.42} = 3.51 > 2$$

- Factor of Safety Against Siding

$$FS_{Sliding} = \frac{\Sigma V \tan \delta + P_p}{Ph} = \frac{212.27 \times \tan 30^\circ + 72}{50.04} = 3.81 > 2$$

P_p = Passive Resistance,

$$= \frac{1}{2} \times \gamma \times H^2 \times K_p$$

$$= \frac{1}{2} \times 2^2 \times 18 \times \frac{1 + \sin 30}{1 - \sin 30} = 72.0 \text{ KN/m}$$

- Factor of Safety Against Bearing Capacity

$$e \text{ (Eccentricity)} = \frac{B}{2} - \frac{\Sigma MR - \Sigma MO}{\Sigma V} = \frac{2.41}{2} - \frac{304.17 - 86.42}{212.27}$$

$$= 1.2 - 1.02 = 0.17 < \frac{B}{6} = \frac{2.41}{6} = 0.4016$$

$$q = \frac{\Sigma V}{B} \times F1 + \frac{6Xe}{B} H$$

$$q_{toe} = \frac{212.27}{2.41} F1 + \frac{6 \times 0.17}{241} H$$

$$= 88.07 (1 + 0.423)$$

$$= 125.34 \text{ KN/m}^2$$

$$q_{heel} = \frac{212.27}{2.41} F1 - \frac{6 \times 0.17}{241} H$$

$$q_{heel} = 88.0Z (1 - 0.423)$$

$$= 50.81 \text{ KN/m}^2$$

- IS: 6403 1981 General shear failure**

$$q_u = C N_c S_c d_c i_c + (N_q) S_q d_q i_q + 0.5 B' \gamma N_\gamma S_\gamma d_\gamma i_\gamma X R W$$

For $\phi = 30^\circ$, $N_c = 30.14$, $N_q = 18.40$, $N_\gamma = 2240$

$$B' = B - 2e$$

$$= 2.4 - 2 \times 0.17 = 2.06$$

$$S_c = S_q = S_\gamma = 1$$

$$d_c = 1 + 0.2 \frac{D_f}{B'} m N \phi$$

$$N \phi = \tan^2 0.45 + \frac{\phi}{2p} = \tan^2 45 + \frac{30}{2} H = 3$$

$$= 1 + 0.2 \times \frac{2}{2.06} \times 1.73 = 1.33$$

$$d_q = d_\gamma = 1 + X \frac{D_f}{B'} m N \phi$$

$$= 1 + 0.1 \times \frac{2}{2.06} \times 1.73 = 1.167$$

$$i_c = l_q = q_1 - \frac{\alpha^2}{90}$$

$$\alpha = \tan^{-1} \frac{Pa}{\Sigma V} = \tan^{-1} \frac{50.94}{212.2z} = 13.49^\circ$$

$$i_c = l_q = q_1 - \frac{13.49^{\circ 2}}{90} p = (1 - 0.14)^2 = 0.302$$

$$R_w = 0.5$$

$N C = 0$ Assuming cohesion zero

$$q_u = (Nq)q_s q_d q_i q + 0.5 B' \gamma N_\gamma S_\gamma d_\gamma \gamma R_w$$

$$= (18.40) \times 18 \times 2 \times 1.16 \times 0.739 + 0.5 \times 2.06 \times 18 \times 22.40 \times 0.1 \times 1.16 \times 0.302 \times 0.5$$

$$= 590 \text{ KN/m}^2$$

$$FS \text{ Bearing Capacity} + \frac{590}{q_{toe}} + \frac{590}{125.34} = 4.7 > 3 \text{ ok}$$

Prepared & Submitted by,



Dr. S.M. Mahajan
(Professor and Head)



JANKIDEVI BAJAJ GRAM VIKAS SANSTHA

Registered as Society under Societies Registration Act. 1860 and a Public Trust Under the Bombay Public Trust Act. 1950

Ref. No. JBGVS/21-22/25

Date: 18/04/2021

Task completion certificate

Jankidevi Bajaj Gram Vikas Sanstha (JBGVS) have signed MOU with Zilla Parishad, Wardha to repair K.T.weir of Wardha District. Department of Civil Engineering, Bajaj Institute of Technology, Wardha was given the responsibility to designed Gravity retaining wall at K.T. weir, Nara (Tq. Karanja)

This is to certify that the above mention task given to the Department of Civil Engineering, Bajaj Institute of Technology, Wardha is successfully completed.

Thanks!

Rajendra Kharche
(Team Leader)

Head Office : Survey No. 4272, Near Akurdi Post Office, Viveknagar, Akurdi, Pune - 411035

Tel. No. (020) 27242404/5/6, Email : pune@jbgvs.org.in, Website : www.jbgvs.org.in

Wardha Office : Opp. Gitai Mandir, Gopuri, Wardha - 442001. Tel. No (07152) 250300. Email : jbgvswardha11@gmail.com



Department of Computer Engineering
Activity Report

Shiksha Mandal's BIT, Wardha	Extension Activity with Government	Page	1 of 1
		Prepared on	30/06/2021
Title	Project for "Wardha Collectorate -Covid 19 War Room"		
Date :	16/05/2021 to 20/06/2021	Duration	1 month
Faculty In-charge:	Prof. Sheetal Kale		

With the increase in covid cases in the district and limited resource availability for treatment, utilization of the resources appropriately was of paramount importance. Keeping this as the focus Wardha collectorate decided to setup a fully functional "Covid-19 war room".

Experts from all the areas were invited to contribute for the project. Chairman - Shiksha Mandal and Principal BIT, had deployed the undersigned for this project, as an IT expert to develop the technical solution for the same. Mr. Amol Jumde and Mrs. Urvashi Pote, Assistant professor in Computer Engineering Department, BIT, supported in this activity.

The objective of this project was:

- To protect the healthcare system of the district from meltdown due to overload of incoming demand due to Covid-19 outbreak.

For this the primary strategies applied were:

- Load balancing of human patient inflow into the overall healthcare capacity with usage of Integrated triage, Bed allocation and Patient shifting to ensure that only critical and worthy patients are allocated the scarce resources.
- Real time update and monitoring of the resources like beds, oxygen cylinder etc available.
- Achieve Ward level decentralization for better local control
- Incremental deployment against a big bang approach

The Primary challenge faced was lack of integrated systems for real-time information to manage patient inflow against the total capacity of the healthcare system at panchayat/district level.

An integrated network with these 5 critical subsystems that were necessary for a district collector to create a fully functional war room was engineered. All these subsystems were critical to provide the most vital data for district administration for strategic and tactical decision-making during pandemic.

Document No	Prepared on	Revised on	Prepared By	Approved By
BITACAD/Comp/Ext. Activity/21-22	16/04/21	/ /21	MDP	Dr. N.M. Kanhe Principal



Shiksha Mandal's
Bajaj Institute of Technology, Wardha
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1. A **Healthcare Network** that connects all physical assets of the healthcare system to the human-assets in the system
2. A **Telemedicine Network** for tele-triaging and keeping track of calls and patient records and giving confidence to the public to stay at home unless their condition worsens.
3. **First Line Treatment Center Network** at large wards for patients with mild symptoms to visit for treatment and stay for observation.
4. **Public Data Dashboards** for creating public trust by sharing data on case-loads, patients treated and shifted thereby increasing confidence of people.
5. A **Knowledge Network** hosted by WHO experts who helped create the decentralized strategy to educate all healthcare workers and volunteers on this emergency Covid19 medical response action plan.

A Covid war Room had all these subsystems with digital visual data dashboards monitored by the operating field staff who was well trained to operate the individual sub systems.

Insights from this project:

1. Everyone worked towards a common Goal oriented with clear strategy
2. Single leader appointment with clear chain of command and Specialist members
3. Directly connected to field hospitals for near real time data
4. Rapid decentralization for better control and quick updates.
5. Focus on fast execution
6. Full data transparency with the public

The final solution developed was found very useful during pandemic and will be a good resource for all the district administration for such critical situations.


Prepared By

(Faculty In-charge)

Professor and Head of the department
Computer Engineering Department, BIT

HEAD

Department of Computer Engineering
Bajaj Institute of Technology, WARDHA

Submitted to Principal office for information

Document No	Prepared on	Revised on	Prepared By	Approved By
BITACAD/Comp/Est Activity/21-22	16/04/21	/ /21	MDP	Dr. N.M. Kanhe Principal



जिल्हाधिकारी कार्यालय, वर्धा
(जिल्हा आपत्ती व्यवस्थापन प्राधिकरण)
महात्मा गांधी पुस्तकालय जवळ, मिडिल लाईन, वर्धा

Covid-19
Urgent

दूरध्वनी क्रमांक (07152) 243446 /240872
फॅक्स क्रमांक (07152) 240533

वेबसाईट - www.wardha.nic.in
ई-मेल - wardhardc@gmail.com

क्र. जि.आ.व्य.अ/कोरोना विभाग/क्र.सि- 1164 /२०२१

दिनांक - 18 मे, २०२१

प्रति,

अध्यक्ष,
शिक्षा मंडळ,
BIT, वर्धा.

विषय - प्रो.श्रीमती शितल काळे, (बजाज इन्सोर्टिट्युड ऑफ टेक्नॉलॉजी, वर्धा) यांची सेवा अधिग्रहीत करण्याबाबत.
संदर्भ -

१. आपत्ती व्यवस्थापन अधिनियम २००५.
२. महाराष्ट्र पालीस अधिनियम, १९५१.
३. भारतीय साधरोग नियंत्रण अधिनियम, १८९७.


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सद्यस्थितीत वर्धा जिल्ह्यामध्ये कोरोना रुग्ण संख्येत मोठ्या प्रमाणात वाढ होत असल्याचे दिसून येत आहे. दंडात्मक कारवाई, कोरोना बाधित रुग्णांना बेड उपलब्ध करणे, ऑक्सीजन व रेमडिसीविर उपलब्ध करणे, गृहविलगीकरण, संस्थात्मक विलगीकरण, विविध कॉल सेंटर मधिल कर्मचारी नियुक्त्या इत्यादी विविध स्वरूपाची कामे जिल्हा आपत्ती व्यवस्थापन कक्षामार्फत केली जातात. कार्यालयीन व शासकीय सुट्टीचे दिवशी शासन स्तरावरून व वरीष्ठ कार्यालयाकडून कोरोना संबंधाने आदेश निर्गमित केले जातात. तसेच तातडीच्या आढावा सभा, VC व बैठका घेतल्या जातात. जिल्हा आपत्ती व्यवस्थापन कक्षामध्ये एकाच वेळी विविध स्तरावरून माहितीचे संकलन, वरीष्ठ कार्यालयास व सभांकरीता माहिती सादरीकरण, शासना कडून प्राप्त अधिसूचनां नुसार व आपत्ती व्यवस्थापनाच्या दृष्टिने वेगवेगळे आदेश तयार करणे व निर्गमित करणे अशी विविध स्वरूपाची कामे करण्यात येतात. काही तातडीचे काम ऑनलाईन पध्दतीने सुध्दा तहकाळ करणे आवश्यक असते. या सर्व कामांमध्ये सुसुत्रता यावी तसेच, योग्य सनियंत्रण रहावे यास्तव "वर्धा कलेक्टरेड कोविड-१९ वॉर रूम" करण्यात आलेली असून, सदर वॉर रूम करीता संबंधित क्षेत्रातील तज्ञ व्यक्ती ची आवश्यक आहे.

त्याअनुषंगाने, जिल्हाधिकारी तथा अध्यक्ष, जिल्हा आपत्ती व्यवस्थापन प्राधिकरण वर्धा यांना महाराष्ट्र कोवीड-19 उपाययोजना नियम 2020 चे नियम 10 नुसार प्रदान करण्यात आलेल्या अधिकारान्वये, प्रो. श्रीमती शितल काळे, (बजाज इन्सोर्टिट्युड ऑफ टेक्नॉलॉजी, वर्धा) यांची सेवा उक्त कर्तव्यार्थ, वर्धा कलेक्टरेड कोविड-१९ वॉर रूम करीता अधिग्रहीत करण्यात आहे.

प्रो. श्रीमती शितल काळे, (बजाज इन्सोर्टिड्युड ऑफ टेक्नॉलॉजी, वर्धा) यांनी उक्त प्रमाणे सोपविण्यात आलेली जबाबदारी तसेच, वॉर रुम चे नियोजनापासून ते प्रत्यक्ष अंमलबजावणी करणे बाबतची संपूर्ण जबाबदारी न चुकता पार पाडावी.




(प्रेरणा देशभूतार, I.A.S.)
जिल्हाधिकारी तथा अध्यक्ष
जिल्हा आपत्ती व्यवस्थापन प्राधिकरण,
जिल्हाधिकारी कार्यालय, वर्धा.

प्रतिलिपी -

१. मा. विभागीय आयुक्त, नागपुर विभाग, नागपुर यांना माहितीस सविनय सादर.
२. मुख्य कार्यकारी अधिकारी, जि.प. वर्धा यांना माहितीस अग्रेषित.
३. जिल्हा शल्य चिकित्सक, वर्धा.
४. जिल्हा आरोग्य अधिकारी, जि.प. वर्धा.
५. उपविभागीय अधिकारी, वर्धा / हिंगणघाट / आर्वी.
६. प्रो. श्रीमती शितल काळे, (बजाज इन्सोर्टिड्युड ऑफ टेक्नॉलॉजी, वर्धा) यांना माहिती तथा उचित कार्यवाहीस. आपणास सोपविण्यात आलेली जबाबदारी पुर्ण करण्याबाबत चे नियोजन या कार्यालयास तात्काळ सादर करावे.


जिल्हाधिकारी तथा अध्यक्ष
जिल्हा आपत्ती व्यवस्थापन प्राधिकरण,
जिल्हाधिकारी कार्यालय, वर्धा.



Shiksha Mandal's
Bajaj Institute of Technology, Wardha
(Affiliated to DBATU, Lonere, Raigad, Maharashtra)

Department of Computer Engineering
Activity Report

Shiksha Mandal's BIT, Wardha	Report on IOT & Arduino Workshop Conducted for 10th standard students of Bajaj Science Center Wardha			Page	1 of 1
				Prepared on	01/07/2021
Academic Year	2020-2021	Class	10 th	Semester	NA
Event Name / Title	IOT & Arduino Workshop				
Date :	15/04/2021 to 28/06/2021	Duration	20 Hrs.		
Experts name and designation	Prof. P. S. Kulkarni (Head of Department, Computer Engineering.BITW) Dr. J. D. Ruikar (Assistant Professor , Electrical Engineering , BITW) Prof. S. D. Jain(Associate Professor ,Computer Engineering, BITW)				
Faculty In-charge:	Prof. P. S. Kulkarni	Total No. of Beneficiary:	10 (10 th standard students)		

Event details:

About the Speaker	<p>Mr. Pravin Kulkarni is an expert field of Wireless Communication. He did his BE from Nagpur University and M.Tech from NIT Bhopal. He taught subjects like Soft Computing, Neural Network, Fuzzy Logic, Internet of Things, Mechatronics etc. He has published papers international Journals and conferences.</p> <p>Dr. J. D. Ruikar is an Assistant Professor in the Department of Electrical Engineering. Dr. Ruikar completed his Ph.D. from the National Institute of Technology, Silchar. He has specialized in signals and image processing and has taught courses like Digital Electronics & Microprocessors, Microprocessors & Microcontrollers, Artificial Neural Network, Internet & Voice Communication, and Branch Specific Programming Software. Dr. Ruikar has four international journal publications, five international conference publications, and two national conference publications to his credit.</p> <p>Prof. Sandesh Jain has completed his M. Tech from Shivaji University, Kolhapur. He has taught several courses over the period of 6 Years of his experience like Blockchain Technology, Machine Learning, Full</p>
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Document No	Prepared on	Revised on	Prepared By	Approved By
BITACAD/COMP/2020-21 /Even/Ext. Activity/IoT Workshop	01/07/2021	/ /21	PSK	Dr. N.M. Kanhe Principal



Shiksha Mandal's
Bajaj Institute of Technology, Wardha
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	Stack Development, Assembly Language Programming, Digital Electronics and Logic Design.
About the event	<p>Introduction:</p> <p>The workshop on Internet of Things was conducted for 10th standard students of Bajaj Science Center, Wardha. The workshop was held in April and June 2021, and was aimed at providing students with practical knowledge on the basics of IoT, using the Arduino platform.</p> <p>The course was divided into three parts, each conducted by one of the trainers. The first part was conducted by Prof. P. S. Kulkarni and covered the basics of IoT, the Arduino board and architecture, sensors and actuators, and the TinkerCad.com simulation tool.</p> <p>The second part was conducted by Dr. J. D. Ruikar and focused on hands-on training with Arduino, including basic breadboard skills, switches in series and parallel, Ohm's Law, digital and analog input/output, temperature sensors, light sensors, and motion sensors. The course also covered various projects, such as the Spaceship Interface, Love-o-Meter, and Mood Cue.</p> <p>The final part of the workshop was conducted by Prof. Sandesh Jain and covered more advanced concepts such as H-bridges, liquid crystal displays, and servo motors. The course also included several projects such as the Distance Measurement using Ultrasonic Sensor and Displaying it on LCD, Smart Water Tank System using Ultrasonic Sensor, Servo Motor, L293D and Buzzer, Anti-Theft System using PIR Motion Sensor, Buzzer and LED, Air Pollution/Smoke Detection using Gas Sensor and Buzzer, etc.</p> <p>Impact:</p> <p>The workshop was well received by the students and provided them with valuable knowledge and practical experience with IoT and Arduino. The students were able to understand the basic concepts of IoT and how it can be used to solve real-world problems. The training and projects gave them an opportunity to apply the knowledge they gained in a practical way.</p> <p>Conclusion:</p> <p>The IoT workshop conducted by Bajaj Institute of Technology in association with Bajaj Science Center, Wardha was a great success. The workshop provided students with valuable knowledge and hands-on</p>

Document No	Prepared on	Revised on	Prepared By	Approved By
BITACAD/COMP/2020-21 /Even/Ext. Activity/IoT Workshop	01/07/2021	/ /21	PSK	Dr. N.M. Kanhe Principal

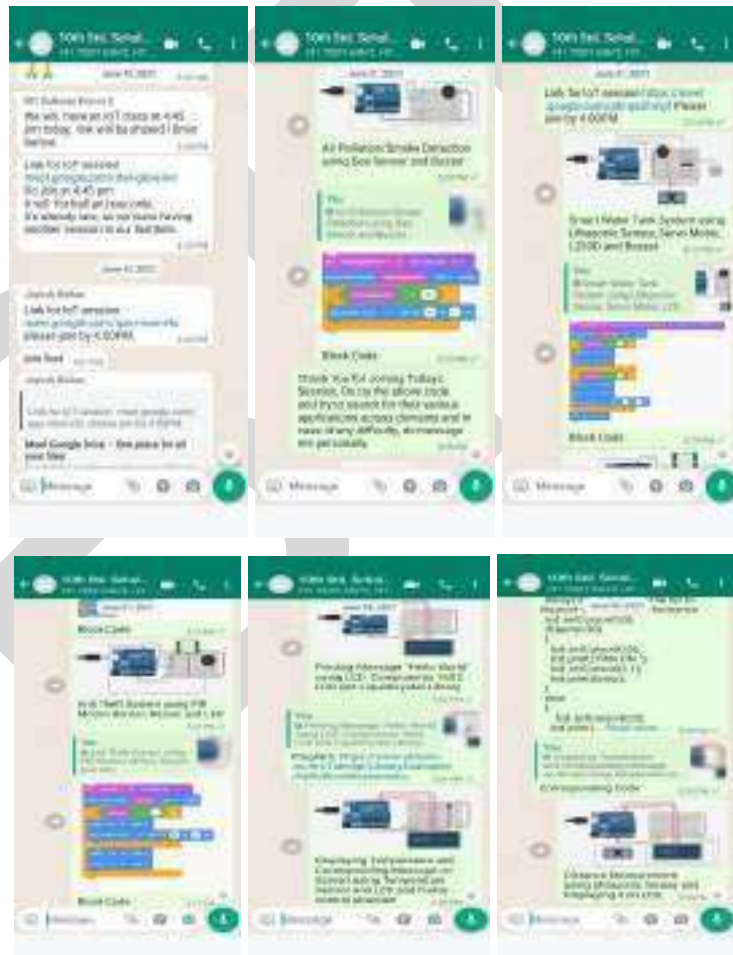


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	(over simulator) experience with IoT and Arduino, which will help them in their future studies and careers.
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Appendix A: Enclosures

1. Proof of Activity –
 - a. Event Snapshots:
 2. Contents shared by Expert:



3. Enclosure: Workshop Schedule

Document No	Prepared on	Revised on	Prepared By	Approved By
BITACAD/COMP/2020-21 /Even/Ext. Activity/IoT Workshop	01/07/2021	/ /21	PSK	Dr. N.M. Kanhe Principal

Gandhi Gyan Mandir's
BAJAJ SCIENCE CENTER

Gandhi Gyan Mandir's-Regd. No. E-36, Wardha
(A place to think and a place to do)

To,

Prof. Pravin Kulkarni,
Dr. Jayesh Ruikar,
Prof. Sandesh Jain,
Bajaj Institute of Technology, Wardha.

Letter of Appreciation

We take this opportunity to express our sincere thanks and gratitude for conducting the workshop on the topic "IOT and Arduino" held from 15th April to 28th June 2021 through Google and Zoom platforms.

Your practical guidance in the workshop benefited the students of the 10th standard. The students were motivated by your expertise and surely, they would like to have more learning opportunities through the IOT and Arduino workshop from you in the future.

Thanks for enlightening our students with your expertise and resourceful session.

 
Dr. S. P. Biswas
(Director)

Gandhi Gyan Mandir, Jamnalal Bajaj Marg, Civil Lines, Wardha - 442 001
Tel. :- (07152) 247024, Fax : (07152) 240315
E-mail : bajajscience.wda@gmail.com



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Bajaj Institute of Technology
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University, Lonere)



Arvi Road, Pipri – Wardha - 442001
Post Box. No. 25, Phone / Fax (07152) 254770, 255770
Web Site: www.bitwardha.ac.in, Email : bit@bit.shikshamandal.org

Report on Tree Plantation

The National Service Scheme (NSS) unit of the institute had organized the event of Tree Plantation on 5th June 2021 in College campus on the Occasion of “World Environment Day”. Trees are the foremost source for producing the oxygen in environment, they helps to reduce the level of CO₂. As we all know that the whole world is facing the problem of global warming, loss of biodiversity and to recover from such problems planting the trees has become one of the most important aspects today.

The event was begun with the welcome speech by the Principal, Dr. Narendra M. Kanhe. He addressed the volunteers, students and staff about the role of trees in human life.

All the students, staff, HODs and the Principal planted the trees. Total trees planted by all others including teachers, volunteers were more than 40.

The students were urged to plant trees in their nearby areas and they were asked to send the pictures of the same.

Photographs of the event:





PROGRAMME OFFICER
National Service Scheme (NSS)
B. J. Institute of Technology,
WARDHA



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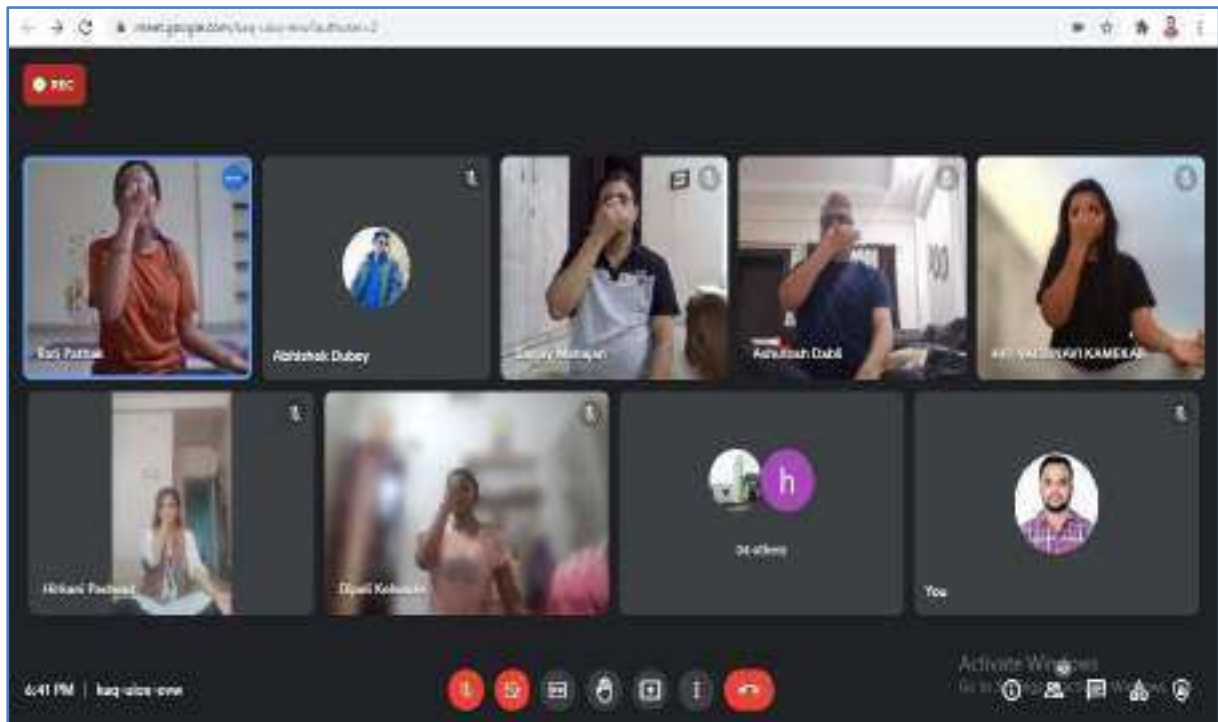
Yogasana Camp

The National Service Scheme (NSS) unit of the institute organized the Online Yoga Session on 21st June 2021 on the Occasion of 7th “International Yoga Day”. The event began with the welcome speech by the Principal, Dr. Narendra M. Kanhe. He addressed the volunteers and staff about the importance of Yoga in human life.

Mrs. Rati Pathak from Thane was invited to conduct online yoga session and guide the students on benefits of yoga. She demonstrated and trained students on various asanas like Tadasana, Bhujangasana, Dhanurasana, Ustrasana, Navasana. The session was conducted online via google meet platform from 6:00 pm to 7:00 pm., because of restrictions of number of people in the campus due to covid pandemic.

70 NSS volunteers as well as teaching and non-teaching staff of the college participated in the same. The students learnt and appreciated the yoga session.

Photographs of the online session are as follows:





Prof. Vikas Ravekar
NSS, Programme Officer

PROGRAMME OFFICER
National Service Scheme (NSS)
Ej-J Institute of Technology,
WARDHA



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Vaccination Drive - I

Shiksha Mandal Trust along with the Bajaj Institute of Technology, Wardha and National Service Scheme unit of Bajaj Institute of Technology conducted a COVID-19 Vaccination Drive at Leprosy Foundation, Wardha.

The camp was organized from 09th June 2021 to 14th June 2021. Chairmen of Shiksha Mandal, Shri. Sanjay Bhargav inaugurated the camp. After the inauguration, the Principal addressed the importance and benefit of this Vaccination Drive. The faculty members of college actively participated & monitored the students and staffs for the vaccination throughout the drive. During this drive around 640 members of the institution including Students, Teaching and non-teaching staff was vaccinated successfully.

Photographs of the drive:





Prof. Vikas Ravekar
NSS Program Officer
National Service Scheme (NSS)
Bajaj Institute of Technology,
WARDHA



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Web Site: www.bitwardha.ac.in, Email : bit@bit.shikshamandal.org

Vaccination Drive - II

Shiksha Mandal Trust along with the Bajaj Institute of Technology, Wardha and National Service Scheme unit of Bajaj Institute of Technology conducted a COVID-19 Vaccination Drive at Leprosy Foundation, Wardha.

The camp was organized from 15th September to 22nd September 2021. During this drive around 403 Students and 53 staff members of the institution were vaccinated successfully.

Photographs of the drive are as follows:





Prof. Vikas Ravekar
PROGRAMME OFFICER
(NSS Program Officer)
Bajaj Institute of Technology,
WARDHA



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Web Site: www.bitwardha.ac.in, Email : bit@bit.shikshamandal.org



Report on Cloth Donation

Bajaj Institute of Technology, Wardha – NSS unit in association with Power BIT Forum, Department of Electrical Engineering took an initiative and organized Cloth Collection Drive at BIT campus, Wardha. The Drive duration was from 15th September to 30th September 2021. The purpose of this activity was to provide clothes to the needy and poor Tribal Children, Families nearby village Sewagram by Bajaj Institute of Technology (BIT).

The NSS Volunteers started this activity with the daily follow up in institute. Volunteers kept boxes near entrance of admin building of the institutes with catchy note/ slogan “Donate Clothes – for the poor and needy”. There was overwhelming response from Teaching, Non – Teaching staff and students in the BIT Campus. Volunteers took sincere efforts in collecting all the clothes and segregated them as per age groups. On 02nd October, 2021, on the occasion of Mahatma Gandhi Jayanti. NSS Volunteers of BIT – conducted the said drive at Anandvan Visava Prkalp, Ashram, Sewagram. The Drive started with the introductory speech given by Prof. Dalavi. 20 volunteers actively participated in this Drive. The students were very happy after experiencing the cheerful and happy faces of the children.

This drive imparted the life skills of caring, sharing, giving, empathy and kindness to the students.

Photographs of the event are as follows:





PROGRAMME OFFICER
National Service Scheme (NSS)
K. J. Somaiya Institute of Technology
WADGA



Shiksha Mandal's
Bajaj Institute of Technology, Wardha
(Affiliated to DBATU, Lonere, Raigad, Maharashtra)

Department of Computer Engineering
Activity Report

Shiksha Mandal's BIT, Wardha	Report on Expert Session delivered at St. John High School & Science junior college as a Resource Person.			Page	1 of 1
				Prepared on	5/12/2021
Academic Year	2021-2022	Class	NA	Semester	NA
Event Name / Title	Expert Session on Machine Learning ,IOT & Emerging Fields				
Date :	4/12/2021	Duration	2 Hr		
Experts name and designation	Pravin Kulkarni(Associate Professor ,Computer Engineering, BITW) Jagdish Chakole(Assistant Professor , Computer Engineering, BITW)				
Faculty In-charge:		Total No. of Beneficiary:	60 (11 th & 12 th Students)		

Event details:

About the Speaker	<p>Mr.Pravin Kulkarni is an expert field of Wireless Communication.He did his BE from Nagpur University and M.Tech from NIT Bhopal.He taught subjects like Soft Computing, Neural Network, Fuzzy Logic, Internet of Things, Mechatronics etc. He has published papers international Journals and conferences.</p> <p>Jagdish Chakole is an expert in the field of ML. He did his phd thesis from VNIT Nagpur. He has published papers international Journals and conferences.</p>
About the event	<p>Expert lectures on IoT and ML were presented on December 4, 2021 by Drs. Pravin Kulkarni and Jagdish Chakole. Class 11 and 12 students are the ones that profited in this case.</p> <p>The topic was picked because ML is utilized in numerous fields. Machine learning is the study of creating computer algorithms that can recognize patterns in data, adjust to changes, and get better over time. In addition to being one of computer science's original goals, machine learning is now essential as we expect computers to solve more difficult issues and grow more pervasive in our daily lives. IoT and machine learning unlock insights from data that would otherwise remain buried for quick, automated reactions and better decision-making. By absorbing picture, video, and audio data, machine</p>

Document No	Prepared on	Revised on	Prepared By	Approved By
BITACAD/COMP/2021-22 /Even/Expert Session	16/04/21	/ /21	MDP	Dr. N.M. Kanhe Principal



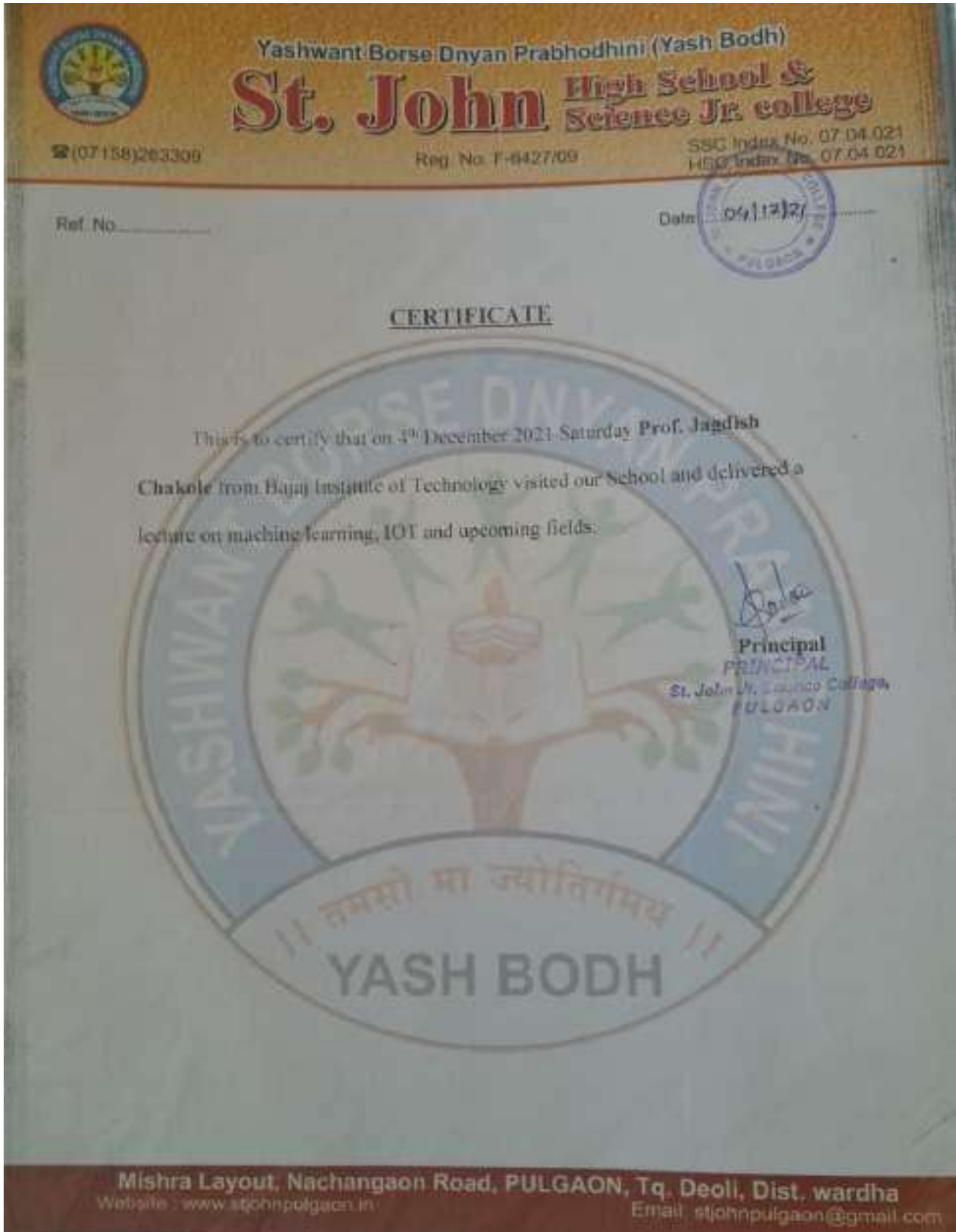
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	<p>learning for IoT can be used to forecast future trends, identify abnormalities, and enhance intelligence.</p> <p>Topics covered are introduction to AI, introduction and Applications of Machine Learning, Mining & ML, Supervised Learning & Unsupervised Learning Introduction & Examples, Linear Regression & Implementation, Introduction to Gradient Descent Algorithm, Linear Algebra, Neuron, Network Architecture, Designing Neural Network Model, Model Representation Methods, Single Layer & Multilayer Neural Network Architecture were all topics covered in the course.</p> <p>60 school pupils participated in the lecture.</p>
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Appendix A: Enclosures

1. Proof of the activity – Certificate from Jr. College, Pulgaon
2. Proof of Activity – News Cutout
3. Contents shared by Expert

Document No	Prepared on	Revised on	Prepared By	Approved By
BITACAD/COMP/2021–22 /Even/Expert Session	16/04/21	/ /21	MDP	Dr. N.M. Kanhe Principal



Document No	Prepared on	Revised on	Prepared By	Approved By
BITACAD/COMP/2021-22 /Even/Expert Session	16/04/21	/ /21	MDP	Dr. N.M. Kanhe Principal



विद्यार्थियों के लिए तकनीकी मार्गदर्शन

पुलगांव। 9 दिसंबर। लोस

सेंट जॉन हायस्कूल, में मार्गदर्शन शिविर आयोजित किया गया. शिविर में बजाज इंजीनियरिंग कॉलेज वर्धा के प्रो. जगदिश चाकोले, प्रो. प्रवीण कुलकर्णी ने तकनीकी विज्ञान एवं भविष्य में रोजगार के अवसर पर विषय पर विद्यार्थियों को मार्गदर्शन किया.

इस अवसर पर शाला के प्रबंध संचालक चंद्रशेखर इंगले, प्राचार्य संतोष यादव, उपप्राचार्य आरती कुरझडकर, भोयर उपस्थित थे.



पुलगांव के सेंट जॉन हाईस्कूल में मार्गदर्शन शिविर आयोजित किया सफलतापूर्वक शाला के शिक्षकों, कर्मचारियों ने प्रयास किया.



Prepared By
 (Portfolio In-charge)

Approved By
 (Head of Department)

Document No	Prepared on	Revised on	Prepared By	Approved By
BITACAD/COMP/2021-22 /Even/Expert Session	16/04/21	/ /21	MDP	Dr. N.M. Kanhe Principal



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Vaccination Drive – Under 18

Shiksha Mandal Trust along with the Bajaj Institute of Technology, Wardha and National Service Scheme unit of Bajaj Institute of Technology conducted a COVID-19 Vaccination Drive for the students who were under 18 at BIT, Wardha on 8th January 2022.

The camp started at 09.45 AM in the morning and continued till 5.00 PM. Chairmen of Shiksha Mandal, Shri. Sanjay Bhargav inaugurated the camp. Dr. Narendra Kanhe, Principal of the Institute, Prof. Vikas Ravekar, NSS Programme Officer were present for the inauguration. After the inauguration, medical officer addressed the importance and benefit of this Vaccination to the students. The faculty of college very actively participated & monitored the students for the vaccination throughout the camp. During this camp around 120 students of the institute were vaccinated successfully. The NSS volunteers took painstaking efforts for completion of camp successfully.

Photographs of the event are as follows:






Prof. Vikas Ravekar
NSS Program Officer

PROGRAMME OFFICER
National Service Scheme (NSS)
Bajaj Institute of Technology,
WARDHA

Shiksha Mandal's

Bajaj Institute of Technology

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Seminar on “Personal and Social Upliftment”

National Youth Day, celebrated on January 12th every year, marks the birthday of Swami Vivekananda and is dedicated to the vibrant and dynamic youth of the nation. The NSS (National Service Scheme) unit of Bajaj Institute of Technology, Wardha, organized a spirited celebration on this occasion, guided by the esteemed Dr. Vijay Deshmukh, HOD First Year, and Prof. D. Mangrulkar, Asst. Prof. Civil Engg.

The celebration started with an inaugural ceremony held in the institute's Seminar Hall. Dr. Narendra Kanhe graced the occasion and inaugurated the event by lighting the traditional lamp. His presence added a dignified touch to the proceedings, emphasizing the institute's commitment to overall development. Dr. Vijay Deshmukh, in his keynote address, highlighted the significance of National Youth Day and Swami Vivekananda's teachings in shaping the character and aspirations of the youth. He urged the students to draw inspiration from Swamiji's life and principles for personal and societal upliftment. The National Youth Day celebration by the NSS unit of Bajaj Institute of Technology, Wardha, under the guidance of Dr. N. M. Kanhe and Prof. V. P. Ravekar, NSS Programme Officer was a resounding success.

Photographs of the activity:



PROGRAMME OFFICER
National Service Scheme (NSS)
Bajaj Institute of Technology,
WARDHA

Report on “End of Hunger” by Light Wardha NGO.

Date: 01/03/2022

Location: Surrounding of BIT, Wardha

Organized by: Light Wardha (NGO).

In the spirit of social responsibility and community engagement, the students of **Bajaj Institute of Technology (BIT)** conducted an inspiring project named "**End of Hunger**" under the umbrella of the **Light Wardha (NGO)** on **1st March 2022**. This initiative, designed to combat hunger and malnutrition in the vicinity of Karla Square and Arvi Naka. The event was conducted on the successful completion of three years of Light Wardha.

The aim of the "End of Hunger" initiative was to address food insecurity and malnutrition in the local community surrounding BIT College. Students from Light Wardha has distributed packet food and water bottles to the needy peoples and street beggars. Students who actively participated in food drives developed a sense of shared responsibility and community involvement. On the completion of three-year Light Wardha, it is important to recognize the commitment, imagination, and compassion displayed by the Bajaj Institute of Technology students. Their dedication to social impact has improved the lives of people in the community and served as a model for student-led projects around the country.

In conclusion, the "End of Hunger" initiative led by the students of Bajaj Institute of Technology, in collaboration of Light Wardha, stands as a testament to the power of student-led initiatives in creating positive social change. The journey continues, fuelled by the passion and commitment to building a hunger-free and resilient community.

Photographs of activity:







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Web Site: www.bitwardha.ac.in, Email : bit@bit.shikshamandal.org



Health Awareness in Girls

The National Service Scheme (NSS) unit of the institute had organized the Guest Lecture on 08th March 2022 in College campus on the Occasion of “International Women’s Day”. The event began with the welcome speech by the Principal, Dr. Narendra M. Kanhe. He addressed the volunteers and staff about the role of women in our society.

The session continued with an invoking guidance by Dr. Stuti Taori on the topic of, “Health Awareness in Girls”. She pointed out the importance of being a strong woman in the society. She reminded the students that women empowerment is not just limited to equal opportunities as men, but flourishing with the opportunities with what we have.

The programme ended with prayer song by Miss. Sanika Bobhate and team. Total 120 girl students were present at the program.

Glimpses of the event are as follows:





PROGRAMME OFFICER
National Service Scheme (NSS)
Bij. Institute of Technology,
WARDHA



Shiksha Mandal's
Bajaj Institute of Technology, Wardha, Maharashtra, India

बजाज प्रौद्योगिकी संस्थान, वर्धा, महाराष्ट्र, भारत

Approved by All India Council for Technical Education (AICTE) India and Director of Technical Education (DTE), Maharashtra
Affiliated to Dr. Babasaheb Ambedkar Technological University (DBATU), Lonere, Raigad, Maharashtra

STRUCTURAL SUPERVISION REPORT

**“JANKI DEVI BAJAJ GRAM VIKAS
SANSTHA: SALDARA ZP SCHOOL”**

Wardha

MAY, 2022

Janki Devi Bajaj Gram Vikas Sanstha (JBGVS) have signed MOU with Zilla Parishad, Wardha to improve the quality of Saldara Zilla Parishad School in wardha district. Under it JBGVS is making major repair work to these schools. Contractors have been assigned but JBGVS lack manpower and expertise to supervise these works. Department of Civil Engineering, Bajaj Institute of Technology, Wardha was entrusted the structural supervision of above mentioned

Prepared by:

**DEPARTMENT OF CIVIL
ENGINEERING**

**BAJAJ INSTITUTE OF
TECHNOLOGY
WARDHA**

Department of Civil Engineering, Bajaj Institute of Technology, Wardha was entrusted supervision of repair work of “Saldara Zilla Parishad School” at Wardha district, Maharashtra. Site visits once in a week were conducted to assess the school structure. The structure and repair work going on were assessed based on the visual inspection. Visual examination of structure is the most effective and qualitative approach to evaluate the structural soundness and to identify the typical distress symptoms together with the associated problems. Based on our experience in condition assessment, structural audit and rehabilitation engineering, the symptoms of distress allow a reasonably sufficient understanding of the cause of distress as these are related with the age of the structure.

GENERAL INFORMATION AND OBSERVATIONS :


1. Name of Structure : **Zilla parishad schools of Kachnur**
2. Address : **Saldara Zilla Parishad School” Wardha district, Maharashtra**
3. Date of Inspection : Once in a week from 1st March to 30th April 2022
4. Age of Structure : Around 25 years
5. Mode of use : School from 1st to 10th standard
6. Level of Submersible : Moderate
7. Flood history : Nil
- 8 Observations : **Load bearing structure with bearing walls in poor state**

SUMMARY:

1. A wall which was in very poor state was suggested to replace with new 9 inch thick wall.
2. Old plaster was suggested to be screed out and fresh double layer of plaster was suggested.
3. Other small repairing work like plumbing system, bathroom shed and partition walls were carried out satisfactorily by the contractor.

PHOTO GALLERY




Dr. V.M. Thakur
Faculty In-charge


Dr. S. M. Mahajan
HOD-Civil Engineering
HEAD
Department of Civil Engineering
Biju Institute of Technology, WARDHA


Dr.N.M.Kanhe
Principal
PRINCIPAL
Biju Institute of Technology
PIE&L, Wardha

JBGVS/2022-23/53

Date 31/03/23

Task Completion Certificate

Jankidevi Bajaj Gram Vikas Sanstha (JBGVS) have signed MOU with Zilla Parishad, Wardha to improve the quality of Saldara Zilla Parishad School in wardha district. Under it JBGVS is making repair work to these schools. Department of Civil Engineering, Bajaj Institute of Technology, Wardha was given the responsibility of the structural supervision of Saldara Zilla Parishad School. This is to certify that the above mentioned task given to the Department of Civil Engineering, Bajaj Institute of Technology, Wardha is successfully completed. Thanks!

Rajendra Kharche

Rajendra Kharche

(Team Leader)

Team Leader

*Jankidevi Bajaj Gram Vikas
Sanstha, WARDHA*

TITLE: Collection of Geographical data required to convert KT weir by Elliptical Concrete Arch Weir at Talegaon (Ta.), Wardha.

Survey Report of Nallah at Talegaon (Ta.), Wardha

Reference: With reference to the site visit, arranged on 14th march 2022, it was proposed to convert KT weir by elliptical concrete arch weir at Talegaon (Ta.), Wardha, During the visit, it was decided that, the BIT will be involved in to collect all data require for working out design.

Location of site: Village Talegaon (Ta.), Wardha-Hinganghat Highway, Dist. Wardha
(20.60615390183858, 78.67762331257866)

During the preliminary visit following experts/officer were present

- 1) Shri. Bhargava Sir of Shiksha Mandal
- 2) Dr. Ingle of VNIT Nagpur
- 3) Shri. Garibdas
- 4) Shri. Mathurkar, Wardha Sub Division
- 5) Prof. A. V. Khandve, BIT, Wardha
- 6) Shri. Kahrche of JBGVS



With reference to the above, the survey of the nallah at village Talegaon (Ta.) Dist. Wardha (MH), was done on 16/05/2022 to 18/05/2022, and following survey report and observation notes were submitted

1. As per the data, The population of the village is 4600 (2011 census). But, according to locals, the population of the village is around 10500.



Alignment of Nallah



2. There is a CNB (Cement Nallah Bandhara) at the upstream side at a distance of 570 m from the existing K.T. Weir.



4. The left bank is broken near the K.T. Weir and it need to be rebuilt and elevated by at least 1.0 m. to prevent the flood water entering into nearby farms. (as shown in red oval)

The existing K.T. Weir Photos and drawing

The cross section of nallah is well defined for most of the length, almost 90% of length, the sides of nallah are vertical and both bunds are also in good conditions.



1. There are some secondary nallah along the length of primary nallah. Their locations are

indicated in the following drawing. They can be easily rectified/blocked, if necessary.



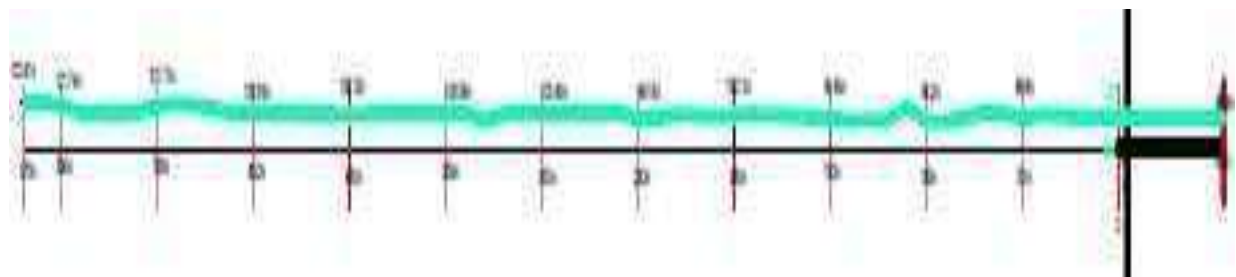
Most of the nallah bed is rocky in nature. Even the exposed portion near K.T. Weir shows rock.





2. The overall average slope is found out to be 1:236.5 (V:H).

The following figure shows the L-Section of Nallah along with the RLs at every 50 m interval.



and the slope breakdown is

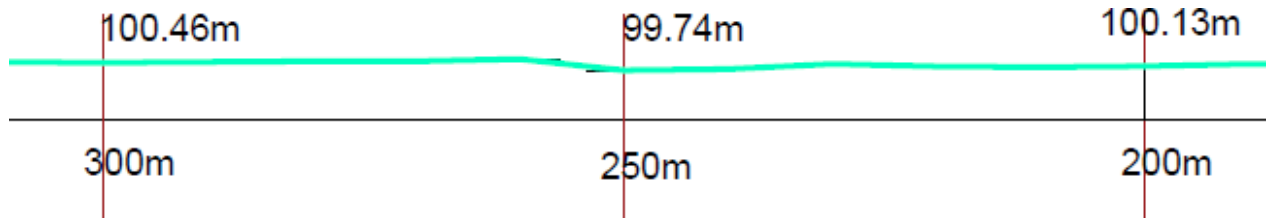
for 0 m to 100 m → 1:125 (Negative)



For 100 m to 200 m → 1:107 (Positive)



For 200 m to 300 m → 1:303 (almost flat)



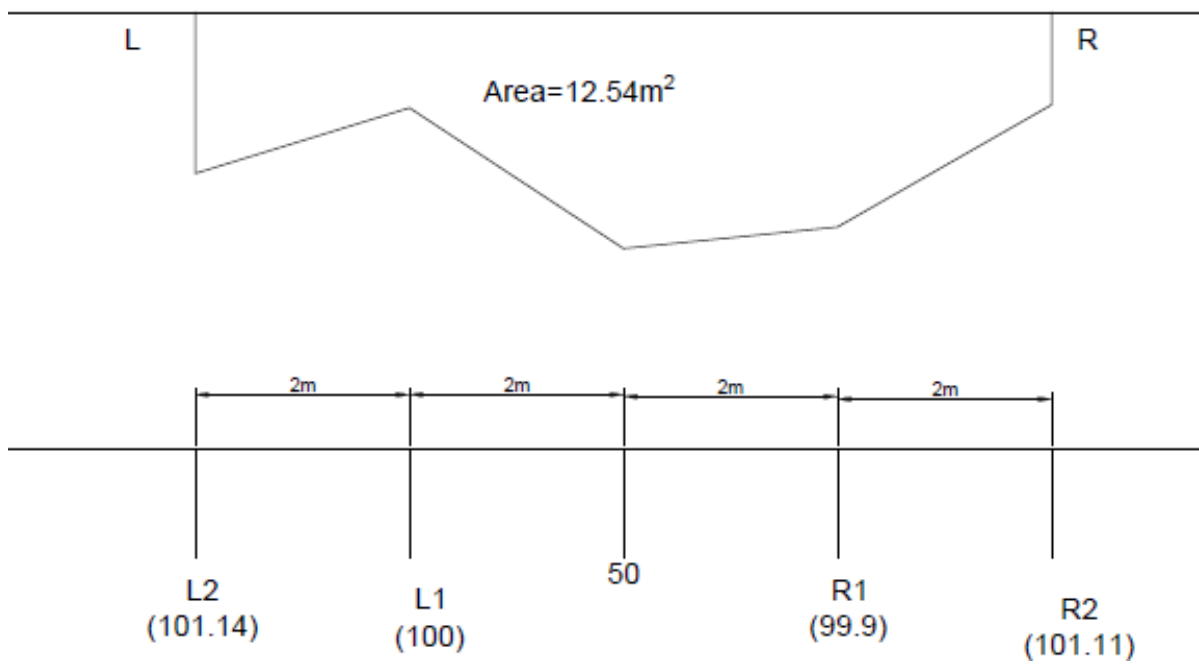
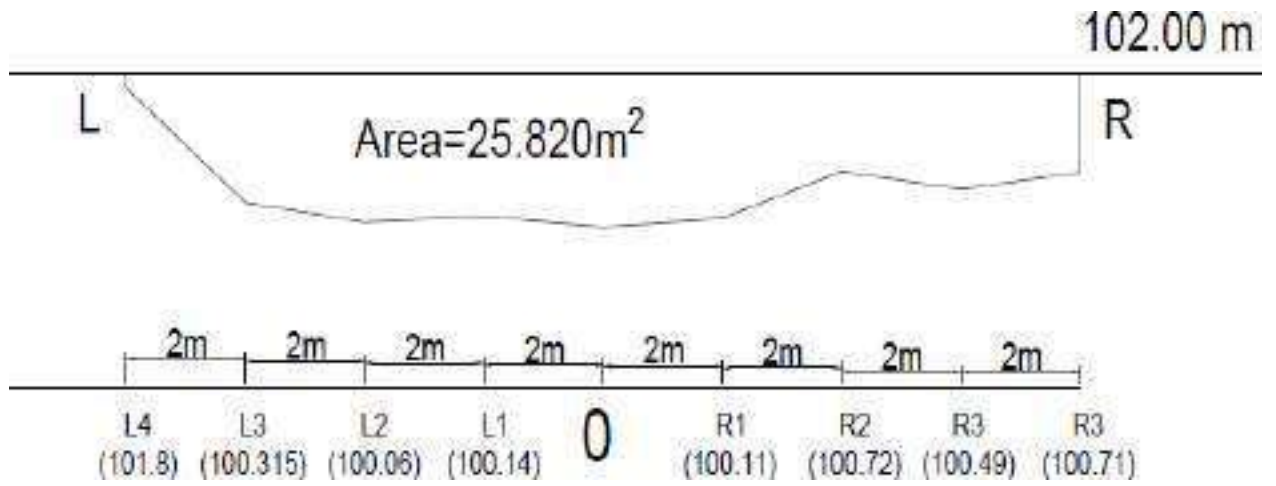
For 300 m to 400 m → 1:303 (almost flat)

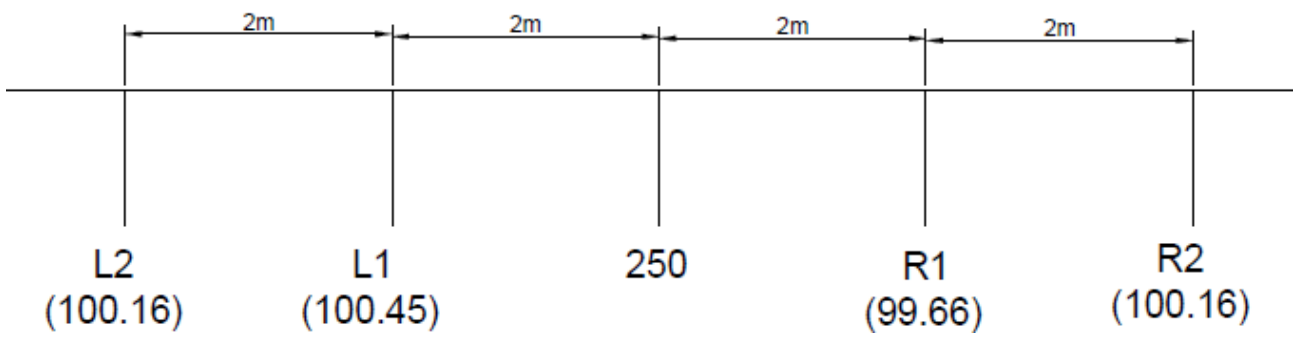
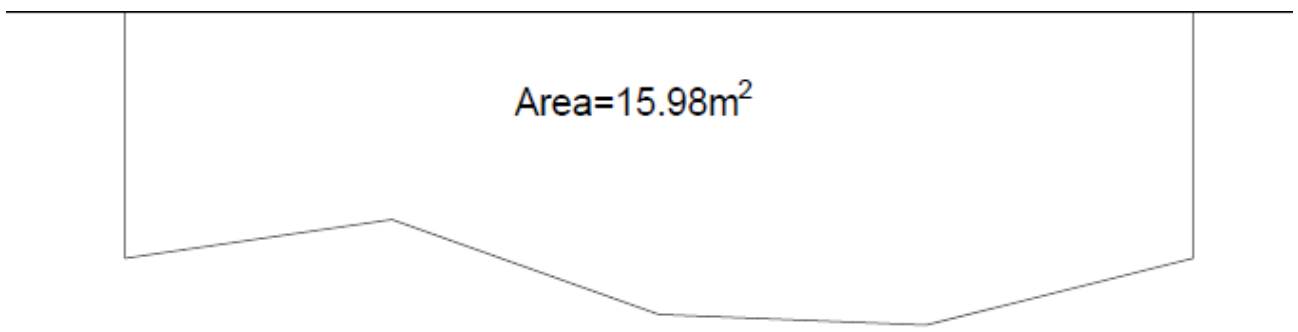
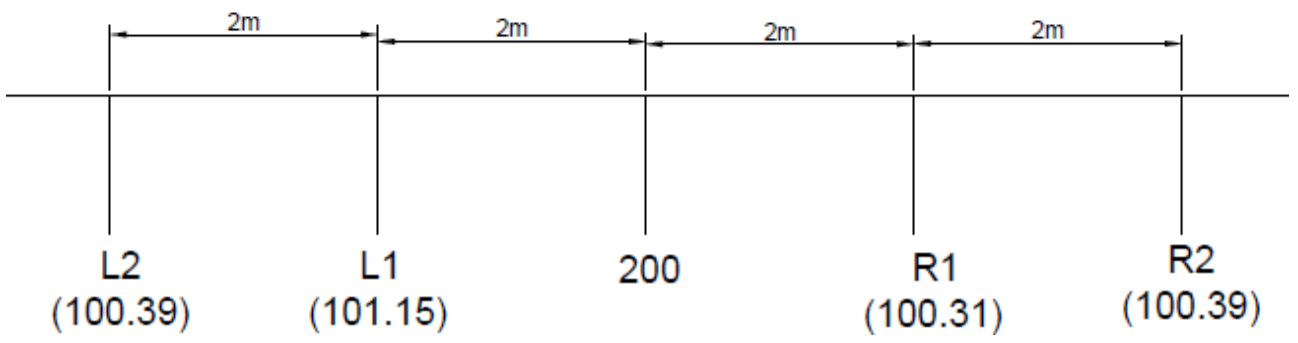
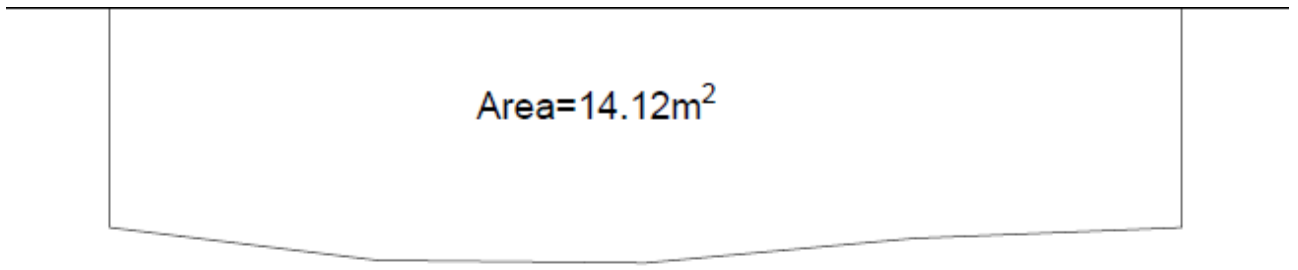
For 400 m to 500 m → 1: 61 (Positive)

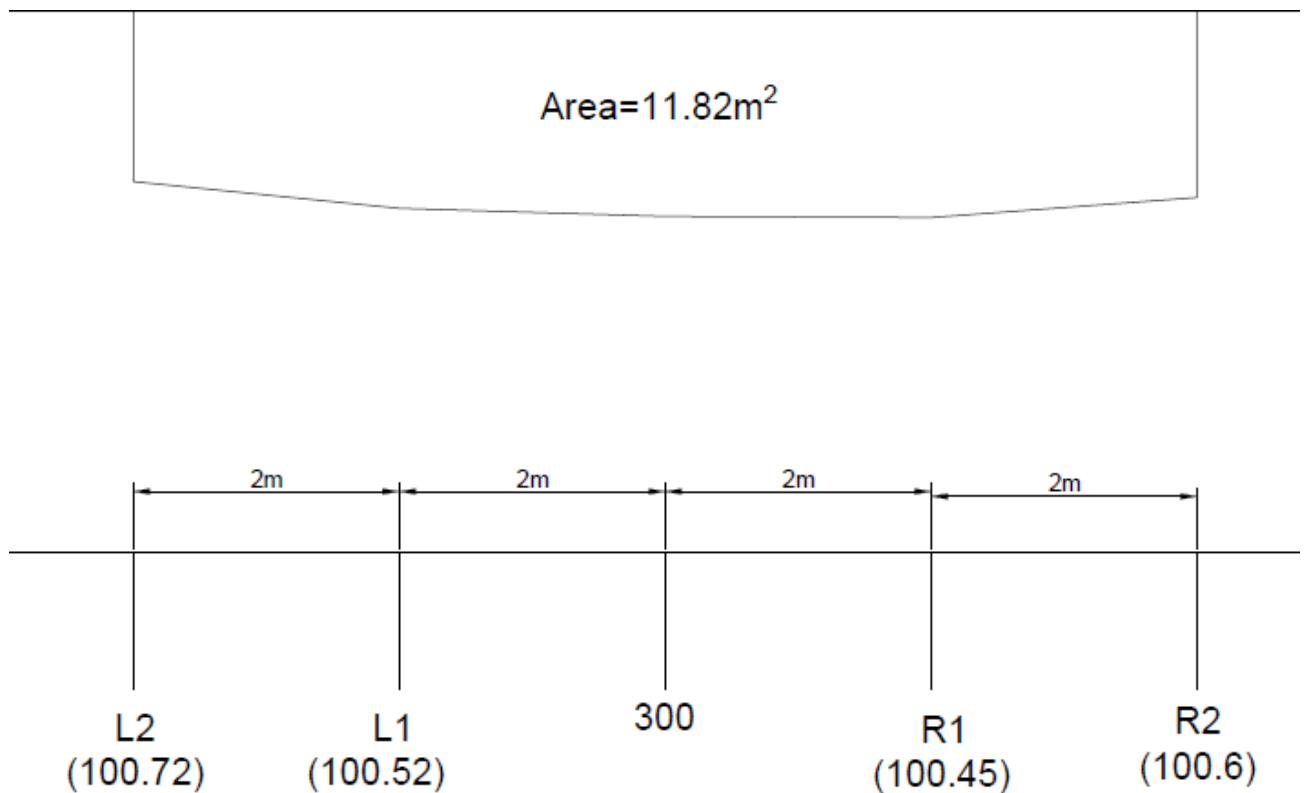
For 500 m to 570 m → 1: 156 (Positive)

From this, we can conclude that, the nallah is having the gentle slope.

3. The following diagram shows C/s at every 50 m interval.








From above data, we can conclude that, the maximum water storage capacity of the reservoir, by using trapezoidal equation, is as follows.


$$V = 25 \times (25.82 + 1.78 + 2(12.54 + 19.96 + 16.66 + 14.12 + 15.98 + 11.82 + 9.36 + 12.09 + 8.16))$$

$$V = 6724.5 \text{ m}^3 \text{ (Approximately)}$$

OUTPUT: The Profile levelling and cross section levelling of the nallah has performed and the Maximum Storage capacity of proposed reservoir is estimated.


A.V. Khandve

Submitted By
A.V. Khandve
(Assistant Professor)


S.M. Mahajan

HEAD
Department of Civil Engineering
Bajaj Institute of Technology, WARDHAR



JANKIDEVI BAJAJ GRAM VIKAS SANSTHA

Registered as Society under Societies Registration Act 1860 and a Public Trust Under the Bombay Public Trust Act. 1950

Ref. No. JBGVS/21-22/70

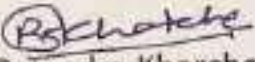
Date: 16/03/2022

Task completion certificate

Jankidevi Bajaj Gram Vikas Sanstha (JBGVS) have signed MOU with Zilla Parishad, Wardha to repair K.T.weir of Wardha District. Department of Civil Engineering, Bajaj Institute of Technology, Wardha was given the responsibility to collect all data required for convert the K.T. weir to Elliptical concrete arch weir working out design which includes K.T. weir drawing, catchment area and other works in Talegaon (Ta.).

This is to certify that the above mention task given to the Department of Civil Engineering, Bajaj Institute of Technology, Wardha is successfully completed.

Thanks!


Rajendra Kharche
(Team Leader)

Head Office : Survey No. 4272, Near Akurdi Post Office, Viveknagar, Akurdi, Pune - 411035

Tel. No. (020) 27242404/5/6, Email : pune@jbgvs.org.in, Website : www.jbgvs.org.in

Wardha Office : Opp. Gitai Mandir, Gopuri, Wardha - 442001. Tel. No. (07152) 250300. Email : jbgvswardha11@gmail.com



Shiksha Mandal's
Bajaj Institute of Technology, Wardha, Maharashtra, India

बजाज प्रौद्योगिकी संस्थान, वर्धा, महाराष्ट्र, भारत

Approved by All India Council for Technical Education (AICTE) India and Director of Technical Education (DTE), Maharashtra
Affiliated to Dr. Babasaheb Ambedkar Technological University (DBATU), Lonere, Raigad, Maharashtra

STRUCTURAL SUPERVISION REPORT

**“JANKI DEVI BAJAJ GRAM VIKAS
SANSTHA: SALDARA ZP SCHOOL”**

Wardha

MAY, 2022

Janki Devi Bajaj Gram Vikas Sanstha (JBGVS) have signed MOU with Zilla Parishad, Wardha to improve the quality of **Kachnur Zilla Parishad School in wardha district**. Under it JBGVS is making repair work to these schools. Contractors have been assigned but JBGVS lack manpower and expertise to supervise these works. Department of Civil Engineering, Bajaj Institute of Technology, Wardha was entrusted the structural supervision of above mentioned

Prepared by:

**DEPARTMENT OF CIVIL
ENGINEERING**

**BAJAJ INSTITUTE OF
TECHNOLOGY
WARDHA**

Department of Civil Engineering, Bajaj Institute of Technology, Wardha was entrusted supervision of repair work of “Kachnur Zilla Parishad School” at Wardha district, Maharashtra. Site visits once in a week were conducted to assess the school structure. The structure and repair work going on were assessed based on the visual inspection. Visual examination of structure is the most effective and qualitative approach to evaluate the structural soundness and to identify the typical distress symptoms together with the associated problems. Based on our experience in condition assessment, structural audit and rehabilitation engineering, the symptoms of distress allow a reasonably sufficient understanding of the cause of distress as these are related with the age of the structure.

GENERAL INFORMATION AND OBSERVATIONS :

1. Name of Structure : **Zilla parishad schools of Kachnur**
2. Address : **Kachnur Zilla Parishad School” Wardha district, Maharashtra**
3. Date of Inspection : Once in a week from 1st March to 30th April 2022
4. Age of Structure : Around 15 years
5. Mode of use : School from 1st to 10th standard
6. Level of Submersible : Moderate
7. Flood history : Nil
8. Observations : Water seepage from hall slab

SUMMARY:

1. A concrete layer of 50mm thick with murga zali was suggested and implemented to make the slab water proof.
2. Slope on shorter span of slab was provided to drain off the water quickly.
3. Other small repairing work like kitchen otta, bathroom tiles and bathroom shed, floor slope to drain off rain water were carried out satisfactorily by the contractor.

PHOTO GALLERY



Dr. V.M. Thakur
Faculty In-charge

Dr. S. M. Mahajan
HOD-Civil Engineering
HEAD
Department of Civil Engineering
Rajaj Institute of Technology, Warananagar

Dr.N.M.Kanhe
Principal
PRINCIPAL
Rajaj Institute of Technology
PILK, Warananagar

JBGVS/2022-23/54 Task Completion Certificate

Date: 31/03/23

Jankidevi Bajaj Gram Vikas Sanstha (JBGVS) have signed MOU with Zilla Parishad, Wardha to improve the quality of Kachnur Zilla Parishad School in wardha district. Under it JBGVS is making repair work to these schools. Department of Civil Engineering, Bajaj Institute of Technology, Wardha was given the responsibility of the structural supervision of Kachnur Zilla Parishad School.

This is to certify that the above mentioned task given to the Department of Civil Engineering, Bajaj Institute of Technology, Wardha is successfully completed.

Thanks!



Rajendra Kharche

(Team Leader)

Team Leader

*Jankidevi Bajaj Gram Vikas
Sanstha, Wardha, M.S.*



Department of Computer Engineering
Activity Report

Shiksha Mandal's BIT, Wardha	Guest Lecture on "Corporate IT Culture" in G.S commerce college Wardha.		Page	1 of 4
			Prepared on	20-May-2022
Event Name / Title	Guest Lecture on "Corporate IT Culture" in G.S commerce college Wardha.			
Date :	07-May-2022	Duration	2 hrs	
Experts name and designation	Prof. Sheetal Kale (Professor and Head of Computer Engineering Department, BIT, Wardha)			
Faculty In-charge:	Prof. Sheetal Kale	Total No. of Beneficiary:	300 students	

Event details:

About the Speaker	<p>Prof Sheetal Kale is a Prof and Head Department of Computer Engineering. She has a vast experience in IT industry and delivered many assignments across globe. She mainly worked in Infosys (for 19 years), College of Military Engg Pune (2 years) and IIT Bombay .</p> <ul style="list-style-type: none">• She has experience across IT Training, IT delivery and Technology consulting services. Her last stint was in Infosys, where she has played varied roles like Technical Trainer, Technology Architect , Portfolio Manager most recent being Solution Architect for financial services vertical.• Her expertise is in leading end to end solution design of large complex, technology and business transformation programmes. Her technical expertise is in Mainframe Technology and Legacy Integration. Experience involves major enhancements, mainframe portfolio assessment and discovery programs involving API Enablement, application transformation and modernization.• She has worked with global clients from various countries such as USA, UK, Japan, Mexico, Australia, Europe (Spain), Singapore, Israel, Jordan etc . <p>Ma'am also has vast experience in IT competency development ranging from operations management, curriculum design/development, course delivery, design/conduction assessments and faculty development.</p>
About the event	<p>This guest lecture was delivered on 7th May 2022 in G.S Commerce College. 300 students from BCCA Part -I, II, and III students attended this lecture. The highlights of the session were discussion on the following points :</p> <ul style="list-style-type: none">• Global delivery model and its evolution in IT .• Familiarized the students with the various kinds of project in IT industry.• Details on the business domains and technical domain the industry is divided into.• Technology Trends and what the students should master• Working culture in environment of IT companies.• Expectation from the workforce in IT industry• Encouraged the students to have strong technical basics and gain expertise in a specific domain area of their interest. <p>The lecture was interactive and well received by the students.</p>

Document No	Prepared on	Revised on	Prepared By	Approved By
BITACAD/Comp/Ext- Activity/GL/Odd/21-22	20/05/22	-	SAK	Dr. N.M. Kanhe Principal



Shiksha Mandal's
Bajaj Institute of Technology, Wardha
(Affiliated to DBATU, Lonere, Raigad, Maharashtra)

Appendix A: Enclosures

1. Invitation letter



Shiksha Mandal's
GOVINDRAM SEKSARIA COLLEGE OF COMMERCE, WARDHA,
(NAAC (UGC) ACCREDITED INSTITUTION B GRADE (CGPA 2.83)
(PERMANENTLY AFFILIATED U/S 2 (F))
(A 'Hindi' Linguistic Minority College)
Department of B. Com. Computer Application



Ref: GSCC/WRD/2021-22

Date: 7th May 2022

To,
Prof. Sheetal Kale
College of Bajaj Institute of Technology,
Computer Department,
Wardha

Madam,

We are pleased to invite you as a guest lecturer to our College, so thereby our students would take the opportunity and be benefited from your valuable knowledge, and experience. As you are expert and have knowledge in the subject we arranged the guest lecture for "Corporate IT Culture" for the students of B.Com Computer Application I, II and Final year, which is scheduled dated 7th May 2022 at 9:30 a.m.

We look forward to your positive response.


Dr. Hevati Bangre
(Coordinator)
Department of B. Com. Computer Application
G. S. College of Commerce, Wardha


Dr. Anil Ramteke
(Offg. Principal)
G. S. College of Commerce
Wardha

Address: G. S. College of Commerce, Jeevanlal Bajaj Marg, Civil Lines, Wardha - 442 001.
☎ (07152) 230511. Fax No.: (07152) 230506/507
E-mail: gsc_wardha@rediffmail.com Website: www.shikshamandal.org

Document No	Prepared on	Revised on	Prepared By	Approved By
BITACAD/Comp/Ext-Activity/GL/Odd/21-22	20/05/22	-	SAK	Dr. N.M. Kanhe Principal



2. Appreciation Letter



3. Event Photos :



Document No	Prepared on	Revised on	Prepared By	Approved By
BITACAD/Comp/Ext-Activity/GL/Odd/21-22	20/05/22	-	SAK	Dr. N.M. Kanhe Principal



4. Press release :



R. Jain
Prepared By
(Portfolio In-charge)

[Signature]
Approved By
(Head of Department)

HEAD
Department of Computer Engineering
Bajaj Institute of Technology, WARDHA

Document No	Prepared on	Revised on	Prepared By	Approved By
BITACAD/Comp/Ext-Activity/GL/Odd/21-22	20/05/22	-	SAK	Dr. N.M. Kanhe Principal



Shiksha Mandal's
Bajaj Institute of Technology
(Approved by AICTE, and affiliated to Dr. Babasaheb Ambedkar Technical
University, Lonere)
Arvi Road, Pipri – Wardha - 442001
Post Box. No. 25, Phone / Fax (07152) 254770, 255770
Web Site: www.bitwardha.ac.in, Email : bit@bit.shikshamandal.org



Report on Health Check-up Camp

A general health check-up camp was conducted by Bajaj Institute of Technology in coordination with National Social Service Unit of the Institute from 26/05/2022 to 07/07/2022. It was conducted on once in week during the mentioned duration.

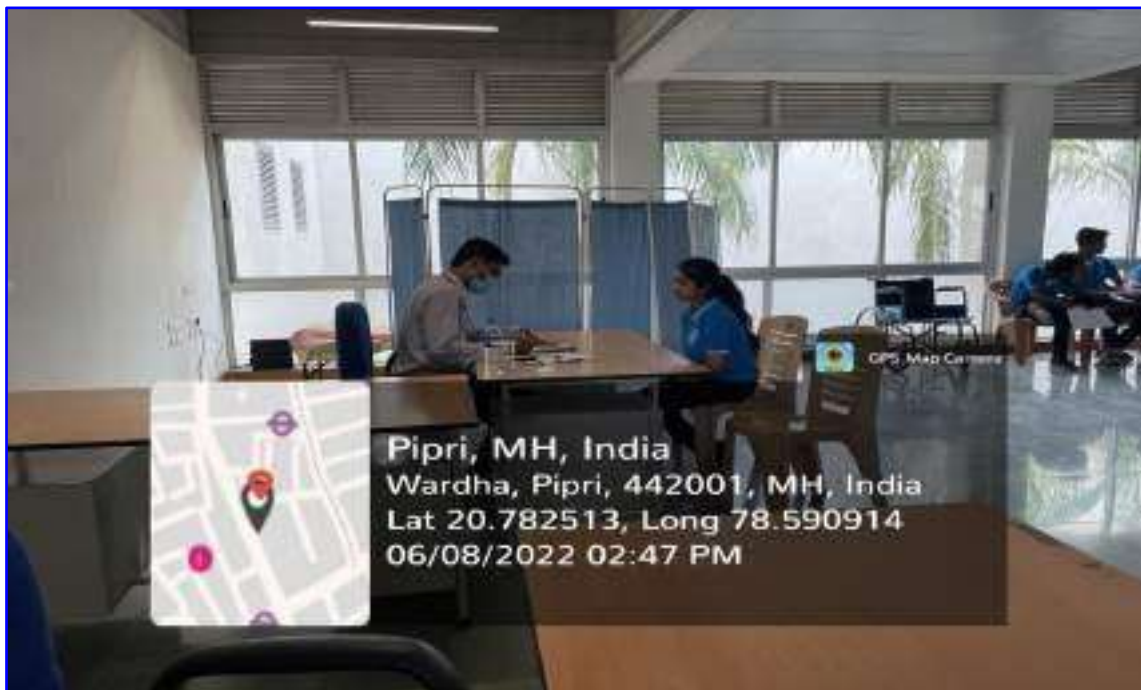
The camp began on 26/05/2022 at 10.00 a.m. with a short inaugural function where in Dr. Narendra Kanhe, Principal of the college addressed the NSS Volunteers and students on health issues. NSS Programme Officer Prof. Vikas Ravekar, Dr. Prashil Jumade, Mr. Parag Kombe, and other staff members were present for inaugural function.

The camp was conducted by Dr. Prashil Jumade and a total of 443 students were checked during it. General examination and vitals were checked. Medications were prescribed wherever necessary. Around 40 students were noted to have low blood pressure; proper supplementary treatments were advised to them. Anaemia was another most commonly noted problem among girl students and proper dietary advice was given and in some cases iron supplementation was also advised. A health education was conducted prior to the start of the check-up.

The details of the camp are as follows;

Sr. No.	Date	Department	Year	No. of Students Covered
1	26/05/2022	Electrical Engg.	III	36
		Mechanical Engg.	III	20
2	02/06/2022	Civil Engg	III	39
		Computer Engg.	III	41
3	08/06/2022	Electrical Engg.	II	44
		Mechanical Engg.	II	29
4	22/06/2022	Civil Engg	II	29
		Computer Engg.	II	48
5	30/06/2022	Computer Engg.	I	78
6	07/07/2022	Electrical Engg.	I	40
		Mechanical Engg.	I	21
		Civil Engg.	I	18
Total				443

Glimpses of the event are as follows:



PROGRAMME OFFICER
National Service Scheme (NSS)
Saij Institute of Technology,
WARDHA

Shiksha Mandal's

Bajaj Institute of Technology

(Approved by AICTE, and affiliated to Dr. Babasaheb Ambedkar Technical University, Lonere)

Arvi Road, Pipri – Wardha - 442001

Post Box. No. 25, Phone / Fax (07152) 254770, 255770

Web Site: www.bitwardha.ac.in, Email : bit@bit.shikshamandal.org



The Bajaj Institute of Technology, Wardha, conducted an Electric Resistivity Test in the villages of Karla, Pipri, and Mhasala on 2nd June 2022, to identify suitable locations for well construction. This initiative aims to enhance water availability for agricultural activities, ultimately benefiting the farmers in these regions. The basic purpose of the Electric Resistivity Test was to determine the subsurface resistivity of the soil, which is crucial in identifying potential water sources for well construction. This information aids in selecting optimal locations to ensure the sustainability and effectiveness of wells for irrigation purposes.

The Bajaj Institute of Technology faculty conducted systematic resistivity surveys at selected sites, covering a range of depths to gather comprehensive data and recorded resistivity values and corresponding depths using advanced data logging equipment. They have analyzed the collected data to identify variations in resistivity, indicating potential aquifers or water-bearing layers. Based on the Electric Resistivity Test, several promising sites were identified in the Karla, Pipri, and Mhasala villages. The resistivity data indicated the presence of subsurface layers with high water content, suggesting viable locations for well construction hence based on data some points were recommended for drilling wells at identified sites with high resistivity variations indicative of potential water-bearing layers.

The Electric Resistivity Test conducted by the Bajaj Institute of Technology in Karla, Pipri, and Mhasala villages has successfully identified potential sites for well construction. The outcomes of this initiative have the potential to significantly improve water availability for agricultural activities, thereby contributing to the overall prosperity of the farming communities in these regions. The initiative taken by Bajaj Institute of Technology appreciated by farmers, local authorities (Gram–Panchayat).





Shiksha Mandal's
Bajaj Institute of Technology
(Approved by AICTE, and affiliated to Dr. Babasaheb Ambedkar Technical
University, Lonere)



Arvi Road, Pipri – Wardha - 442001
Post Box. No. 25, Phone / Fax (07152) 254770, 255770
Web Site: www.bitwardha.ac.in, Email : bit@bit.shikshamandal.org

Drive on “Say No to Plastic Bag”

The National Service Scheme (NSS) unit of the institute had organized the event of Jute bag distribution on 5th June 2022 at different locations in Wardha City like Arvi Naka, Aarati Talkies, Gol Bazar on the Occasion of “World Environment Day”.

The event begun with the welcome speech by the Principal, Dr. Narendra M. Kanhe. He addressed the volunteers and staff about the importance of Use of Non - Plastic bag in day-to-day life. He also advised the volunteers to think differently for the society, to make positive changes for protection of environment. He also mentioned that we should take utmost care to reduce pollution.

Later, NSS Volunteers distributed jute bags to the public for reducing the use of plastic. Teaching and Non- Teaching staff also distributed bags with students. Total 500 hundred bags were distributed by NSS volunteers and staff on the day.

Prof. Vikas Ravekar, NSS Programme officer coordinated the event. NSS Volunteers and teaching and No – Teaching staff attended the event.

Photographs of the event:





Prof. Vikas Ravekar
NSS, Programme Officer

PROGRAMME OFFICER
National Service Scheme (NSS)
Bajaj Institute of Technology,
WARDHA



Shiksha Mandal's
Bajaj Institute of Technology, Wardha

(Affiliated to CBATU, Lonere, Raigad, Maharashtra)

Doc. No.: BITACAD/COMP/2021-22/Odd/Workshop/01

Department of Computer Engineering
Activity Report

Shiksha Mandal's BIT, Wardha	Workshop			Page	1 of 5
				Prepared on	June, 2022
Academic Year	2021-2022	Class	9th & 10th	Semester	9th & 10th standard
Event Name / Title	2 day Workshop on Python Programming (Bajaj Science)				
Date :	3 rd & 4 th June 2022	Duration	2 days		
Experts name and designation	Amit Manakshe, Asst. Prof., Department of Computer Engineering, BIT, Wardha.				
Faculty In-charge:	Prof. Amit Manakshe	Total No. of Beneficiary:	19		

Event details:

About the Speaker	Mr. Amit Manakshe, Asst. Prof., Department of Computer Engineering, BIT, Wardha has 11.5 years of teaching experience in Computer Science & Engineering. With 1.3 years of industrial experience. His area specialization is Theory of Computation, Compilers, Algorithmic, and Programming Languages. Sir has published 12 research papers in International Journals with 06 International Conferences and 05 papers in National Conferences.
About the event	A 2 day workshop was conducted for 9 th and 10 th Standard students of Bajaj Science, Wardha. For imparting python programming essential to leverage the programming skills in High School students. The main objective of the 2 day workshop was to enlighten the coding practices and basic know-how of the modern day programming language. This 2 day basics of python helped students to put forth a comprehensive programming perspective.

Appendix A: Enclosures

1. Proof of the activity - Pics, attendance sheet, emails sent, video link
2. Content shared by the guest /expert

Document No	Prepared on	Revised on	Prepared By	Approved By
Doc. No.: BITACAD/COMP/2021-22 /Even/Workshop/01	16/04/21	06/06/22	MDP	Dr. N.M. Kanhe Principal



Shiksha Mandal's Bajaj Institute of Technology, Wardha

(Affiliated to DBATU, Lonere, Raigad, Maharashtra)

Doc. No.: BITACAD/COMP/2021-22/Odd/Workshop/01

1. Proof of the activity - Pics, attendance sheet, emails sent, video link

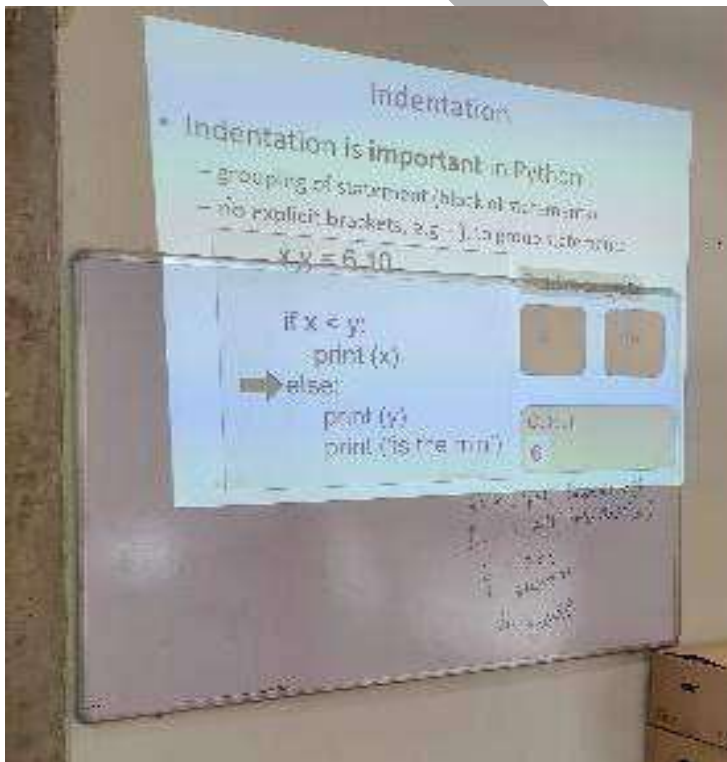
Attendance:

https://drive.google.com/file/d/1rn-j--sJRm0X5t9wDDIm80hYOoYiXgSp/view?usp=share_link

Glimpses:



Content shared by the guest /expert



Document No	Prepared on	Revised on	Prepared By	Approved By
Doc. No.: BITACAD/COMP/2021-22 /Even/Workshop/01	16/04/21	06/06/22	MDP	Dr. N.M. Kanhe Principal



Shiksha Mandal's Bajaj Institute of Technology, Wardha

(Affiliated to DBATU, Lonere, Raigad, Maharashtra)

Doc. No.: BITACAD/COMP/2021-22/Odd/Workshop/01

Who uses it?

- Web Development
- Graphics
- Financial
- Science

Sr. No	Name	School Name	Class	Score
1	Sumit Bobade	Bajaj Science Education Center, Wardha	9 th	6 / 10
2	Ayush Khanke	Aragami Convent School	10 th	6 / 10
3	Kaustubh R. Sarode	St. Antony National School , Wardha	9 th	7 / 10
4	Arnav Makeswar	Bhavans Lloyds Vidya Niketan	9 th	10 / 10
5	Tanay sontakke	Aragami convent school, Mhasala , Wardha	10 th	6 / 10
6	Devshree Vora	School Of Scholars,Wardha	9 th	6 / 10
7	rohit badwaik	RDPS	10 th	6 / 10
8	Yugant Sachin Bhute	BHARATIYA VIDYA BHAVAN'S LLOYDS VIDYA NIKETAN, WARDHA	9 th	6 / 10
9	mayank phate	NEAG	10 th	6 / 10
10	Koshika Ghangale	School Of Scholars	10 th	8 / 10
11	shreya sanjay mude	new english high school wardha	10 th	5 / 10
12	Arnavee Amol Singam	Bhavan's Lloyds Vidya Niketan, Wardha	9 th	8 / 10
13	Drishti Mohnani	Bhavan's Lloyds Vidya Niketan	10 th	10 / 10
14	Priyanshu Pritam Bobade	St. Antony National Wardha	9 th	8 / 10
15	Bhumika Kathane	Bhumika Kathane	10 th	9 / 10

Prepared By
(Portfolio In-charge)

Approved By
(Head of Department)

HEAD
Department of Computer Engineering
Bajaj Institute of Technology, WARDHA

Document No	Prepared on	Revised on	Prepared By	Approved By
Doc. No.: BITACAD/COMP/2021-22 /Even/Workshop/01	16/04/21	06/06/22	MDP	Dr. N.M. Kanhe Principal

Gandhi Gyan Mandir's
BAJAJ SCIENCE CENTER

Gandhi Gyan Mandir's-Regd. No. E-36, Wardha
(A place to think and a place to do)

To,

Mr. Amit Manakshe,
Assistant Professor,
Bajaj Institute of Technology,
Wardha.

Letter of Appreciation

We take this opportunity to express our sincere thanks and gratitude for conducting the workshop on the topic "Python Programming" held on 3rd and 4th June 2022 at your institute for our students.

Your practical know-how was beneficial to the students of Bajaj Science Center. We hope that the students will find more learning opportunities and will learn more in the Python Programming workshop.

Thanks for guiding our students through your expert session. Hope the cooperation continues in future too.

 
Dr. S. P. Biswas
(Director)



Shiksha Mandal's
Bajaj Institute of Technology
(Approved by AICTE, and affiliated to Dr. Babasaheb Ambedkar Technical
University, Lonere)



Arvi Road, Pipri – Wardha - 442001
Post Box. No. 25, Phone / Fax (07152) 254770, 255770
Web Site: www.bitwardha.ac.in, Email : bit@bit.shikshamandal.org

Report on Blood Donation Camp

The National Service Scheme (NSS) unit of Bajaj Institute of Technology, Wardha, organized a blood donation camp in collaboration with blood bank of Kasturaba Hospital (Sewagram) and Civil Hospital Wardha, on 10th June 2022 to mark the birth anniversary of Padmabhushan late Shri. Rahulji Bajaj.

The camp began at 10.00 a.m. with a short inaugural function where in Dr. Narendra Kanhe, Principal of the college gave a floral tribute to Late Shri. Rahulji Bajaj. The camp received an overwhelming response, wherein more than 150 students and faculty participated to donate blood. The blood donation camp was conducted and coordinated by Vikas Ravekar, Asst. Prof. in Civil Engg. and NSS Program Officer and Parag Kombe, Administrative Officer, BIT.

Mr. Sanjay Bhargava, Chairman, Shiksha Mandal was also present to appreciate and congratulate the donors who donated blood in this camp. Dr. N. M. Kanhe expressed his gratitude to the NSS unit of the college for its continuous endeavor in this regard. He also stressed on the growing need of blood in the state and commended the young volunteers for their noble gesture.

Total 160 volunteers came forward to donate blood during the camp which included teaching & non-teaching staff, students. The blood donors were provided with a blood donation certificate by MGMIC and Civil Hospital.

NSS student volunteers of BIT and the non-teaching staff worked hard for the smooth conduction of the event.

Photograph of the activity:



The Hitavada

Vidarbha Line | 2022-06-12 | Page-4

and Tabaka President Adv. Sunil Virthal Narote, Shrirang Kose,

Rahul Bajaj remembered on 84th birth anniversary



(L) The programme of Abhang recitation going on at Shiksha Mandal. (R) Blood donation camp organised at BIT.

District Correspondent WARDHA, June 11

A BLOOD donation camp was organized by the NSS unit of Bajaj Institute of Technology (BIT) on June 10 on the occasion of birth anniversary of Padma Bhushan late Rahul Bajaj. The camp was organised at BIT Campus, Pipri in association with Civil Hospital and Sewagram Hospital, Wardha.

It received an overwhelming response, wherein more than 150 students and faculty participated to donate blood. The blood donation camp was conducted and coordinated by Vikas Bavelkar, Asst. Prof in Civil Engg and Program Officer, NSS, Parag Kumbhe, Administrative Officer, BIT.

Sanjay Bhargava, Chairman, Shiksha Mandal, Dr Narendra Kumbhe, Principal, BIT were also

present to appreciate and congratulate the donors who participated in this camp.

NSS student volunteers of BIT and the non-teaching staff worked hard for the smooth conduction of the event.

Earlier in the day, a devotional songs programme by students of Shiksha Mandal was organised to offer homage to Late Rahul Bajaj, who was President of Shiksha

Mandal Wardha.

Similarly, Shiksha Mandal organised a session of 'abhangs' by its students and a blood donation camp. 124 students and faculty donated blood on the occasion of Rahul Bajaj's birth anniversary.

"We cherish his contribution to the institution and celebrate his extraordinary life," said Sanjay Bhargava, the Chairman of Shiksha Mandal.

PROGRAMME OFFICER
National Service Scheme (NSS)
Bajaj Institute of Technology,
WARDHA

GENERAL HOSPITAL, WARDHA

Civil Surgeon
District Hospital Wardha



O/o Civil Surgeon
District Hospital Wardha
☎ (07152)243066
E-mail- cswardha@rediffmail.com

Date: 14/06/2022

Certificate of Award

With great pleasure, we, the Blood Bank of Civil Hospital, Wardha, would like to thank the NSS Unit of Bajaj Institute of Technology, Wardha, for organizing the blood donation camp on 10th June 2022, and to present them with a certificate.

We guarantee that Civil Hospital, Wardha will assist you in the future in any manner that we can, and we would be delighted to participate in any social welfare programs offered by your organization. We humbly ask that you plan further blood donation and health screening events in the future and educate the public about the true meaning of humanity and the significance of blood donation.

Thank you and best regards.



Civil Surgeon

District Hospital, Wardha

Dr. Anil Wankhade
Additional Civil Surgeon
General Hospital, WARDHA
Reg. No. 65377



Lic. No. :
ND/BB/13

Kasturba Health Society's
Blood Centre
Department of Pathology
Mahatma Gandhi Institute of Medical Sciences
Sevagram, District-Wardha-442 102.



Reference No.: 1795

Date: 06-06-2022

To,
The Chairman & Trustee,
Shri. Sanjay Bhargava,
Shiksha Mandal, Jamnalal Bajaj Marg,
Civil Lines, District—Wardha—442001.

Sir,
Thanks for your email letter dated on 06-06-2022 received for organizing a Voluntary blood donation camp is organized by Shiksha Mandal, Jamnalal Bajaj Marg, Civil Lines, Wardha at Bajaj Institute of Technology, Pipri, District—Wardha on Friday, 10th June 2022. We confirm the date for the camp. We presume the camp will start at 10.00 a.m.

We request you to arrange for the following for this camp.

- 1) Bleeding Table – 03 Nos. with mattresses or cots with height and mattresses.
- 2) Working Table – 02 Nos.
- 3) Carpet with Mattress on the floor for donors to take rest and refreshment after donation.
- 4) Arrangement for refreshment i.e. cold drink 1 bottle or snacks and a cup of tea
- 5) The spacious room or Hall which will be ventilated and with fans/coolers for conducting blood donation camp.
- 6) In case, there is no electric supply please arrange for a generator.
- 7) Please arrange the hand wash and sanitizer station at your place.

We have got a provision to pay for the refreshment charges maximum ₹ 25/- per donor, which will be paid during the camp.

Our team comprising of about 07 staff members will start from blood centre at 10.00 a.m. **Friday, 10th June 2022** so as to start the blood donation well in time.

Thanking you,

Yours Sincerely,

Dr. Anupama Gupta
Director-Professor & Head,
Department of Pathology,
MGIMS, Sevagram.



Lic. No. :
ND/BB/13

Kasturba Health Society's

Blood Centre

Department of Pathology

Mahatma Gandhi Institute of Medical Sciences

Sevagram, District-Wardha-442 102.



Reference No.: 1812

Date: 13-06-2022

To,
The Chairman & Trustee,
Shri. Sanjay Bhargava,
Shiksha Mandal, Jamnalal Bajaj Marg,
Civil Lines, District—Wardha—442001.

Sir,

We are extremely thankful to you for arranging voluntary blood donation camp and for donation of 46 units of blood organized by Shiksha Mandal, Jamnalal Bajaj Marg, Civil Lines, Wardha at Bajaj Institute of Technology, Pipri, District—Wardha on Friday, 10th June 2022. Our special thanks to all the Employees of Shiksha Mandal, Wardha exerted a lot to make this camp a success. We are also thankful to the blood donors & other members, who participated in blood donation camp.

We highly appreciate the gesture of all the members in arranging for voluntary donation of blood to help the needy and poor patients in our hospital. We hope this organization will keep up with this highly valued and commendable work.

Thanking you,

Yours faithfully,


Dr. V. B. Shivkumar
In-charge
Blood Centre, Sevagram.



Lic. No. :
ND/BB/13

Kasturba Health Society's

Blood Centre

Department of Pathology

Mahatma Gandhi Institute of Medical Sciences

Sevagram, District-Wardha-442 102.



Reference No.: 1812

Date: 13-06-2022

VOLUNTARY BLOOD DONATION CAMP

Date : Friday, 10th June 2022

Organized by : Shiksha Mandal, Jamnalal Bajaj Marg, Civil Lines, Wardha.

Sr. No.	Blood Bag No.	Name of Donors	Age / Sex	Blood Group
1	3231	Mrs. Mamta R. Chandrakar	49/F	B +ve
2	3232	Mr. Pranay H. Nawghare	20/M	O +ve
3	3233	Mr. Deep S. Rode	21/M	A +ve
4	3234	Mr. Rugved S. Surkar	21/M	A +ve
5	3235	Mr. Aryan A. Gulhane	20/M	O +ve
6	3236	Ms. Piyushi N. Lobhe	19/F	O +ve
7	3237	Mr. C. N. Tekade	31/M	B +ve
8	3238	Mr. Pranav V. Chavan	19/M	B +ve
9	3239	Mr. Suraj P. Ughale	20/M	B +ve
10	3240	Ms. Anushka S. Tiwari	18/F	B +ve
11	3241	Ms. Avantika P. Barudwale	19/F	O +ve
12	3242	Ms. Disha Atkari	20/F	O +ve
13	3243	Mr. Akash D. Lewade	29/M	O +ve
14	3244	Mr. Darshan G. Vaidya	21/M	AB +ve
15	3245	Mr. Raman H. Wadibhasme	21/M	B +ve
16	3246	Ms. Sakshi R. Jadhao	18/F	O +ve
17	3247	Mr. Yash N. Kochar	18/M	O +ve
18	3248	Mr. Jay Jadhao	20/M	AB +ve
19	3249	Mr. Uday V. Dole	21/M	O +ve
20	3250	Mr. Parth M. Kaware	21/M	A +ve
21	3251	Mr. Aditya V. Meharkure	21/M	B +ve
22	3252	Mr. Shiv U. Chafle	21/M	O +ve
23	3253	Mr. Vedant M. Jagtap	20/M	A +ve
24	3254	Mr. Mayank V. Agrawal	22/M	AB +ve
25	3255	Mr. Dhvani A. Sarokar	20/M	B +ve
26	3256	Ms. Sakshi R. Thakre	20/F	AB +ve
27	3257	Mr. Shantanu S. Radke	18/M	O +ve
28	3258	Mr. Pranav N. Tiwari	18/M	B +ve
29	3259	Ms. Sejal G. Patre	19/F	B +ve
30	3260	Ms. Renuka A. Kothekar	19/F	B +ve
31	3261	Mr. Sushant R. Hande	24/M	B +ve
32	3262	Ms. Harsha A. Thakre	22/F	O +ve
33	3263	Ms. Khushi R. Sahu	19/F	A +ve



Lic. No. :
ND/BB/13

Kasturba Health Society's

Blood Centre

Department of Pathology

Mahatma Gandhi Institute of Medical Sciences


Sevagram, District-Wardha-442 102.



Reference No.: 1812

Date: 13-06-2022

34	3264	Mr. Gaurav M. Pikalmunde	22/M	O +ve
35	3265	Ms. Gauri P. Sagane	19/F	A +ve
36	3266	Mr. Vikrant S. Khadatkar	24/M	O +ve
37	3267	Ms. Puja P. Wagh	19/F	O +ve
38	3268	Mr. Gaurav Dambhare	23/M	B +ve
39	3269	Mr. Pawan V. Wankhede	22/M	B +ve
40	3270	Mr. Pratik P. Wankhede	26/M	O +ve
41	3271	Mr. Deep Ingole	21/M	A +ve
42	3272	Mr. Abhishek S. Umre	18/M	O +ve
43	3273	Mr. Prashant P. Karekar	48/M	O +ve
44	3274	Dr. P. N. Chavan	32/M	O +ve
45	3275	Mr. Samiran A. Wankhede	21/M	A +ve
46	3276	Mrs. Rani A. Kale	33/F	A +ve
		Male = 32 & Female = 14	Total = 46 Donors	


Dr. V. B. Shivkumar
In-charge
Blood Centre, Sevagram.



Shiksha Mandal's
Bajaj Institute of Technology
(Approved by AICTE, and affiliated to Dr. Babasaheb Ambedkar Technical
University, Lonere)
Arvi Road, Pipri – Wardha - 442001
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Web Site: www.bitwardha.ac.in, Email : bit@bit.shikshamandal.org



Kargil Vijay Divas

The NSS (National Service Scheme) unit of Bajaj Institute of Technology, Wardha, organized a solemn and patriotic event on this significant day i.e. **“Kargil Vijay Divas” on 26th July 2022**, with guidance from Dr. Bhope and coordination by Program Officer Prof. Vikas Ravekar.

The event began with a respectful inaugural address by Dr. Narendra Kanhe, Principal of the Institute, acknowledging the sacrifices made by the Indian armed forces during the Kargil War. Dr. Kanhe emphasized the importance of honoring the bravery and valor of our soldiers and urged students to reflect on the significance of Kargil Vijay Divas. Dr. Bhope, Head of Mechanical Engineering Department conducted a guidance session, providing historical context and insights into the events leading up to the Kargil War. He highlighted the indomitable spirit of the armed forces and the resilience of the nation during challenging times. The session aimed to instill a sense of patriotism and gratitude among the students. Prof. Vikas Ravekar, the Program Officer of the NSS unit, played a pivotal role in coordinating the Kargil Vijay Divas event. His meticulous planning ensured that the activities were aligned with the solemnity of the occasion.

Photograph of the activity:





Prof. Vikas Ravekar

PROGRAMME OFFICER
National Service Scheme (NSS)
Bej-j Institute of Technology,
WARDHA

Report on Visit to Sankalp Orphanage by Light Wardha NGO on Independence Day Celebration

Date: 15/08/2022

Location: Sankalp Orphanage, Wardha

Organized by: Light Wardha NGO

On 15/08/2022 members of Light Wardha NGO conducted a visit to Sankalp Orphanage, a home for underprivileged children located in Wardha. The purpose of the visit was to celebrate Independence Day and engage in activities that would bring joy, awareness, and educational value to the children residing at the orphanage. The members of Light- Wardha conducted various activities in orphanage like:

Cake Cutting Ceremony:

The day began with a symbolic cake-cutting ceremony, symbolizing the spirit of freedom and independence. Children and members of Light Wardha gathered together for this joyous occasion, fostering a sense of unity and happiness.

One-Time Meal Distribution:

As part of the Independence Day celebration, a special one-time meal was organized for the children. Volunteers from Light Wardha worked alongside the orphanage staff to ensure that a nutritious and delicious meal was provided to every child, enhancing their Independence Day experience.

Gift Distribution:

Light Wardha members brought gifts for the children, including essential items and items that would contribute to their education and well-being. The distribution of these gifts aimed to bring smiles to the faces of the children and enhance their overall living conditions.

Moral Education Session:

A dedicated session on moral education was conducted, emphasizing values such as respect, compassion, and equality. Volunteers engaged the children in interactive discussions and activities to instill positive values and promote character development.

Hygiene Awareness Campaign:

Recognizing the importance of hygiene in maintaining good health, an awareness campaign was conducted. Children were educated about the significance of personal hygiene, cleanliness, and sanitation. The session included interactive demonstrations and discussions to make the learning experience engaging and memorable.

The activities, ranging from educational sessions to gift distribution, aimed not only to celebrate Independence Day but also to impart valuable life lessons and create positive memories for the children at the orphanage.

The visit to Sankalp Orphanage by Light Wardha NGO was a heartwarming and fulfilling experience. The celebration of Independence Day became a medium to spread happiness, awareness, and care among the children, fostering a sense of belonging and hope for a brighter future.

As an NGO committed to social welfare, Light Wardha continues to strive towards making a positive impact on the lives of underprivileged individuals, and this visit was a small yet meaningful step in that direction.

Photographs of activity:





Shiksha Mandal's
Bajaj Institute of Technology
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Arvi Road, Pipri – Wardha - 442001
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Web Site: www.bitwardha.ac.in, Email : bit@bit.shikshamandal.org



Yoga in Human Life

The National Service Scheme (NSS) unit of the institute organized the Yoga Session on 21st June 2022 on the Occasion of 8th “International Yoga Day”. The event began with the welcome speech by the Principal, Dr. Narendra M. Kanhe. He addressed the students and staff about the importance of Yoga in human life.

Ms. Radhika Tiwari from Final Year Civil Engineering student who is a certified Yoga Instructor conducted yoga session and guided the students on benefits of yoga. She demonstrated and trained students on various asanas like Shavasana, Surya Namaskar Dhanurasana, Ustrasana, Navasana. The session was conducted in admin building from 3:00 pm to 4:30 pm.

50 NSS volunteers as well as teaching and non-teaching staff of the college participated in the same. The students learnt and appreciated the yoga session.

Photograph of the activity:





Prof. Vikas Ravekar
NSS, Programme Officer

A handwritten signature in black ink, appearing to read 'Vikas Ravekar', is positioned above the printed name and title.

PROGRAMME OFFICER
National Service Scheme (NSS)
P. J. Somaiya Institute of Technology,
WARDHA



Department of First Year

Activity Report

Shiksha Mandal's BIT, Wardha	Report on expertise delivered as English Language Expert (Rater 2) for assessment of ATC Officers at AAL.			Page	1 of 1
				Prepared on	20/08/2022
Academic Year	2022-2023	Class	NA	Semester	NA
Event Name / Title	Aviation English Language Proficiency Test 06				
Date :	16/08/2022	Duration	18 hrs		
Experts name and designation	Mrs. Naina Jagyasi (Assistant Professor, Humanities First Year Engineering , BITW)				
Faculty In-charge:	-	Total No. of Beneficiary:	14		

Event details:

About the Speaker	<p>Mrs. Naina Jagyasi is an expert field of Communication Skills and English Language. She is a law graduate and has done Masters in English Literature from Nagpur University. She has submitted her thesis on "Cultural Crisis: A quest for Identity in the select novels of Chitra Banerjee Divakaruni". She has taught subjects like Communication Skills, Functional English, Basic Human Rights, Soft Skills and Personality Development, Interpersonal Skills etc. She has numerous paper publications in international Journals and conferences to her credit. She is a qualified Aviation English Language Trainer, duly certified by Directorate General of Civil Aviation (Govt. of India) on the expert panel of Airports Authority of India.</p>
About the event	<p>The Airports Authority of India was served at National Institute of Aviation Training And Management (NIATAM), Birsi Gondia as a Language Expert (Rater 2) by Mrs. Naina Jagyasi.</p> <p>She was invited to serve as a board member for assessing Aviation English Language Proficiency of Air Traffic Control Officers from 16.08.2022 to 20.8.2022 at National Institute of Aviation Training And Management (NIATAM), Birsi Gondia.</p>

Document No	Prepared on	Revised on	Prepared By	Approved By
BITACAD/FY/2022-23/Even/Guest Lecture	20/08/22	/ /22	NJ	Dr. N.M. Kanhe Principal



Shiksha Mandal's
Bajaj Institute of Technology, Wardha
(Affiliated to DBATU, Lonere, Raigad, Maharashtra)

Academic Session: 2022-23

Doc. No.: BIT/ ACAD/Report/22-23

Date: 20/08/2022

Appendix A: Enclosures

1. Proof of the activity – Invitation Email
2. Proof of Activity – Certificate

Prepared By
(Portfolio In-charge)

Approved By
(Head of Department)

Document No	Prepared on	Revised on	Prepared By	Approved By
BITACAD/FY/2022-23/Even/Guest Lecture	20/08/22	/ /22	NJ	Dr. N.M. Kanhe Principal



Shiksha Mandal's
Bajaj Institute of Technology, Wardha
(Affiliated to DBATU, Lonere, Raigad, Maharashtra)

Department of Computer Engineering
Activity Report

Shiksha Mandal's BIT, Wardha	Resource Person to deliver a guest lecture at MGIRI.			Page	1 of 1
				Prepared on	7/09/22
Academic Year	2022-2023				
Event Name / Title	Introduction to blockchain technology and Security.				
Date :	7/09/22	Duration	2Hrs		
Experts name and designation	Akshay D Saraf				
Faculty In-charge:		Total No. of Beneficiary:	35		

Event details:

About the Speaker	He is currently working as assistant professor in BIT, Wardha
About the event	<p>The guest lecture was delivered on the occasion of Cyber Jagrurkta Diwas celebrated on 7th September 2022. The key points covered during the session were as follows.</p> <ol style="list-style-type: none">1. Distributed ledger systems2. How distributed ledgers are different from centralized systems.3. How Blockchain works as distributed ledger system.4. Types of Blockchain.5. Keys users in all blockchains.6. Transaction processing between the users.7. How blockchain provides a fault tolerant environment and its comparison with the current systems.

Appendix A: Enclosures

1. Proof of the activity -



Document No	Prepared on	Revised on	Prepared By	Approved By
BITACAD/GL/COMP/22-2 3/Odd	20/05/22	/ /22	SAK	Dr. N.M. Kanhe Principal



Shiksha Mandal's
Bajaj Institute of Technology, Wardha
(Affiliated to DBATU, Lonere, Raigad, Maharashtra)

2. Certificate of appreciation




Prepared By
(Portfolio In-charge)


Approved By
(Head of Department)
HEAD
Department of Computer Engineering
Bajaj Institute of Technology, WARDHA

Document No	Prepared on	Revised on	Prepared By	Approved By
BITACAD/GL/COMP/22-2 3/Odd	20/05/22	/ /22	SAK	Dr. N.M. Kanhe Principal



Department of First Year
Activity Report

Shiksha Mandal's BIT, Wardha	Report on Expert Session delivered online for Recurrent Training of ATC Officers AAI and English Language Experts as a Resource Person.			Page	1 of 1
				Prepared on	14/09/2022
Academic Year	2022-2023	Class	NA	Semester	NA
Event Name / Title	Recurrent Training Aviation English Language Proficiency				
Date :	09/09/2022	Duration		hrs	
Experts name and designation	Mrs. Naina Jagyasi (Assistant Professor, Humanities First Year Engineering , BITW)				
Faculty In-charge:	-	Total No. of Beneficiary:	10		

Event details:

About the Speaker	Mrs. Naina Jagyasi is an expert field of Communication Skills and English Language. She is a law graduate and has done Masters in English Literature from Nagpur University. She has submitted her thesis on "Cultural Crisis: A quest for Identity in the select novels of Chitra Banerjee Divakaruni". She has taught subjects like Communication Skills, Functional English, Basic Human Rights, Soft Skills and Personality Development, Interpersonal Skills etc. She has numerous paper publications in international Journals and conferences to her credit. She is a qualified Aviation English Language Trainer, duly certified by Directorate General of Civil Aviation (Govt. of India) on the expert panel of Airports Authority of India.
About the event	The Airports Authority of India was served at National Institute of Aviation Training And Management (NIATAM), Birsigondia as a Language Expert (Trainer 1) by Mrs. Naina Jagyasi. She was invited to serve as an Aviation English Language Trainer for recurrent training of other Language Trainers and Air Traffic Control Officers from 09 Sep 2022 to 13 th Sep 2022.

Document No	Prepared on	Revised on	Prepared By	Approved By
BITACAD/FY/2022-23/Odd/ Training	14/09/22	/ /21	NJ	Dr. N.M. Kanhe Principal



Shiksha Mandal's
Bajaj Institute of Technology, Wardha
(Affiliated to DBATU, Lonere, Raigad, Maharashtra)

Academic Session: 2022-23

Doc. No.: BIT/ACAD/Report/22-23

Date: 14/09/2022

Appendix A: Enclosures

1. Proof of the activity – Invitation Email
2. Proof of Activity – Certificate

Prepared By
(Portfolio In-charge)

Approved By
(Head of Department)

Document No	Prepared on	Revised on	Prepared By	Approved By
BITACAD/FY/2022-23/Odd/ Training	14/09/22	/ /21	NJ	Dr. N.M. Kanhe Principal



Shiksha Mandal's

Bajaj Institute of Technology

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Web Site: www.bitwardha.ac.in, Email : bit@bit.shikshamandal.org



Report on Tree Plantation

The National Service Scheme (NSS) unit of the institute had organized the event of Tree Plantation on 24th Sept 2022 in College campus on the Occasion of “NSS Day”. Trees are the foremost source for producing the oxygen in environment, they helps to reduce the level of CO₂. As we all know that the whole world is facing the problem of global warming, loss of biodiversity and to recover from such problems planting the trees is become one of the most important aspects today.

The event was begun with the welcome speech by the Principal, Dr. Narendra M. Kanhe. He addressed the volunteers and staff about the role of trees in human life. He also advised the volunteers to think differently for the society, to make positive changes and improvement in environmental issues. He also mentioned that we should take utmost care of environment.

After the inspirational words of Principal Sir and NSS officer, we all move towards the place where tree plantation took place. A very first tree plant by Principal Dr. Narendra Kanhe and then other Teaching and Non- Teaching staff also plants tree. Total tree planted by all others including teachers, volunteers was more than 60 on the day.

Glimpses of the event are as follows:





Prof. Vikas Ravekar
NSS, Programme Officer
PROGRAMME OFFICER
National Service Scheme (NSS)
Rajaji Institute of Technology,
WARDHA



Shiksha Mandal's
Bajaj Institute of Technology, Wardha, Maharashtra, India

बजाज प्रौद्योगिकी संस्थान, वर्धा, महाराष्ट्र, भारत

Approved by All India Council for Technical Education (AICTE) India and Director of Technical Education (DTE), Maharashtra
Affiliated to Dr. Babasaheb Ambedkar Technological University (DBATU), Lonere, Raigad, Maharashtra

STRUCTURAL AUDIT REPORT

“Motha Maruthi Devasthanum”

**Kanhapur, Selu,
Wardha
Maharashtra.**

September,

2022

The building is an RCC framed and partially load-bearing structure. The building is around 36 years old. Several structural members show deterioration/distress due to negligence towards maintenance, leakages, vegetation growth and corrosion. The front cantilever slab (Chhajja) should be demolished due to spalling of the concrete cover. Signs of distress like spalling / crushing of columns.

Prepared by:

**DEPARTMENT OF CIVIL
ENGINEERING**

**BAJAJ INSTITUTE OF
TECHNOLOGY, WARDHA**

Table of Contents

Sr. No	Description
1.	Introduction
2.	Site Location
3.	General Information about the building
4.	General Information of Surroundings
5.	Visual Inspection and Critical observations
6.	Non Destructive Tests
7.	Distress Mapping
8.	Concluding Remarks
9.	Photo Gallery

1.0 INTRODUCTION

Department of Civil Engineering, Bajaj Institute of Technology, Wardha, was entrusted with the structural audit of “Motha Maruthi Devasthanum” Kanhapur, Selu, Wardha, Maharashtra and also to prepare the report for the same.

Two visits were conducted to assess the structure. First, the structure was assessed based on the visual inspection and the results of the Non-Destructive Test (Rebound Hammer and Ultrasonic Pulse Velocity) carried out on 28th September 2022.

A structural Audit is an essential tool for assessing the structural health of buildings. The Audit investigates and highlights all the risk areas and critical areas and decides the need for any immediate attention/action.

The purpose of Structural Audit is:

1. To save Lives & Property.
2. To know the building structure's health and estimate the residual life.
3. To assess the extent of distress that occurred due to concrete deterioration, corrosion of steel and any other reason and hence the residual strength of the structure and its fitness for rehabilitation.
4. Highlight the critical areas that need to be attended to with immediate effect.
5. To advise the concerned authority about the seriousness of the problems and the urgency required to attend to the same, if any...
6. Selecting and planning the effective remedy.

2.0 SITE LOCATION

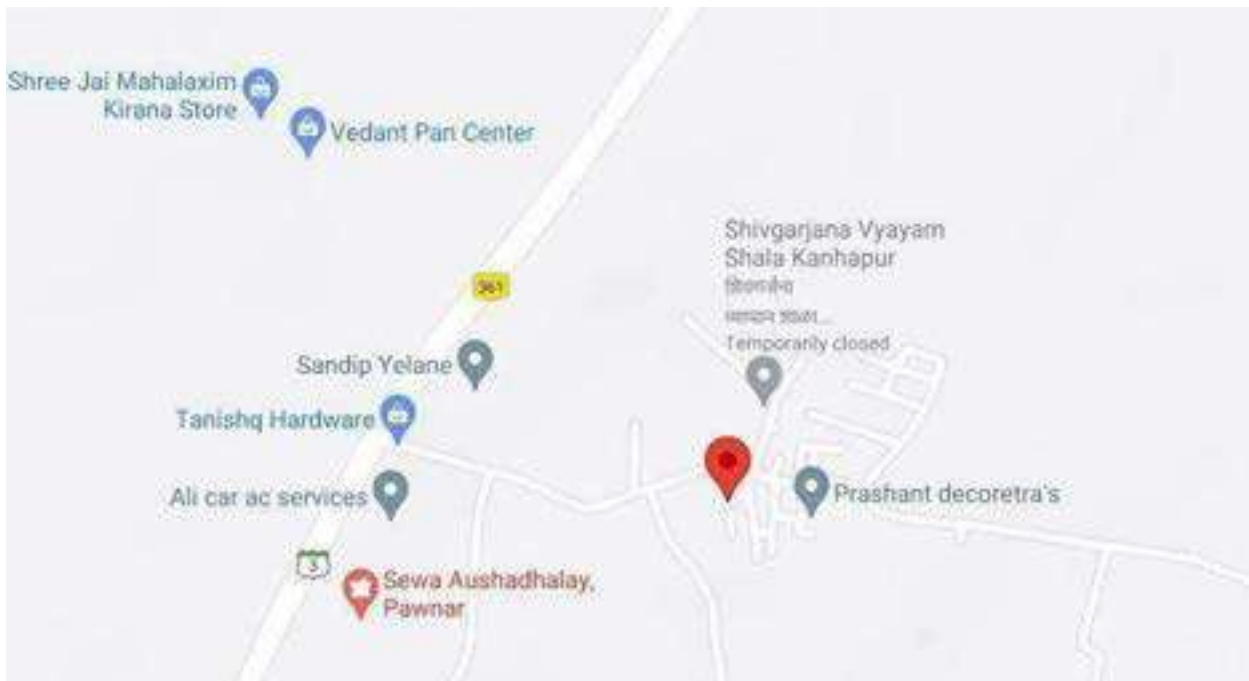


Fig 1: Motha Maruthi Devasthanum, Kanhapur, Selu, Wardha, Maharashtra

Courtesy: Google maps

3.0 GENERAL INFORMATION ON BUILDING

1. Name of the Building: Motha Maruthi Devasthanum
2. Address: Kanhapur, Selu, Wardha, Maharashtra
3. Date of inspection: 28th September 2022.
4. Age: Around 36 years (As per Verbal Information by users)
5. Mode of use:
 - a) Original use: Commercial
 - b) Present use: Commercial
6. Type of building: RCC framed and partially load-bearing structure.
7. Shape: Rectangular shaped
8. Plinth Level: Three feet above ground level
9. Repair History: One column (C3) was retrofitted with steel jacketing
10. Flood History: Not available

4.0 GENERAL INFORMATION OF SURROUNDINGS:

1. History of water logging : No
2. Adjoining construction / excavation noticed : No
3. Level difference with adjoining plots : No

5.0 VISUAL INSPECTION AND CRITICAL OBSERVATIONS

Visual examination of structure is the most effective and qualitative approach to evaluate the structural soundness and identify the typical distress symptoms and associated problems. Based on our experience in condition assessment, structural audit and rehabilitation engineering, the symptoms of distress allow a sufficient understanding of the cause of distress as these are related to the structure's age.

It provides the following valuable information concerning its quality, structural serviceability and material deterioration mechanism. In addition, it gave a quick scan of the structure to assess its general health status.

5.1 Building common areas

1. *One of the columns (C3) was distressed, and cracks were observed; steel jacketing was provided earlier.*
2. *Overall Condition of Plinth: Satisfactory*
3. *Settlement: No settlement in structural members has been observed.*

Note: *Even though no settlements in the foundation are specifically noticed, the same cannot be ruled out.*

5.2 External faces

1. *The building is an RCC-framed and partially load-bearing structure made of RCC columns, beams & slabs.*
2. *Spalling of cover concrete has been observed on the soffit of chajjas.*
3. *The cantilever chajjas should be demolished for the safety of the occupants because of spalling of the concrete cover shown in figs 6 & 7.*
4. *The columns are observed to have major distresses, as shown in fig 5.*
5. *Columns are cracked, as shown in fig 5.*
6. *The vegetation growth (plants, roots, mould and mildew) was enormously observed on chajjas of the building.*

NON-DESTRUCTIVE TEST:

The test performed on the existing structure to check the current structural condition and material uniformity is visual inspection with Rebound Hammer Test, and Ultrasonic Pulse Velocity (UPV) was sufficient enough to assess.

6.1 Rebound Hammer Test

The test is performed as per guidelines given by IS: 13311 (Part 2): 1992 & BS 1881: Part 202: 1986 to estimate the in situ strength of concrete based on the correlation established between in-situ strength at the particular location & rebound numbers.

When the plunger of the rebound hammer is pressed against the surface of the concrete, a spring-controlled mass with constant energy is made to hit the concrete surface to rebound back. The extent of rebound, which is a measure of surface hardness, is measured on a graduated scale. This measured value is designed as Rebound Hammer (a rebound index). Concrete with low strength and stiffness absorbs more energy to yield a lower rebound value. The results are significantly affected by the following factors:

- a. Mix characteristics:
 - i. Cement type,
 - ii. Cement content,
 - iii. Coarse aggregate type:
- b. The angle of Inclination of the direction of a hammer with reference to horizontal
- c. Member characteristics:
 - i. Mass,
 - ii. Compaction,
 - iii. Surface type,
 - iv. Age, rate of hardening and curing type,
 - v. Surface carbonations,
 - vi. Moisture condition,
 - vii. Stress state and temperature

Comparison of Rebound numbers, which indicate the relative surface hardness of the concrete, will help to identify surface weaknesses in cover concrete and can be used to determine the relative compressive strength of concrete. Locations possessing meagre rebound numbers will be identified as weak surface concrete. The following table gives

guidelines for qualitative interpretation of rebound hammer test results concerning the quality as per the IS standards

Table – 1 Rebound Hammer Concrete Quality Grading

Average Rebound	Quality of Concrete
>40	Very good
30-40	Good
20-30	Fair
<20	Poor and/or delaminated
0	Very poor and/or delaminated

Steps to carry out Rebound Hammer Test:

1. The plaster is removed at test locations (patch of min 6"x6").
2. The test location selected shall be smooth, clean, and dry without any defects like Honeycombing cracks and a hollow sound.
3. The patch is scrubbed with a carborundum stone to remove loosely adhered scales and remains of plaster mortar.
4. By holding the rebound hammer at right angles to the surface of the concrete member, 5 readings are taken with random distribution over the entire patch.
5. Of these readings, abnormally high & abnormally low results are eliminated & average of the balance readings is worked out.
6. Considering the factors influencing the hardness of the concrete surface, like moisture condition of the surface, carbonation, test location within the member, the direction of the test etc. corrected rebound number is worked out.
7. The apparent compressive strength of concrete against the corrected rebound number is obtained from the standard table.

6.2 Ultrasonic Pulse Velocity

An electro-acoustical transducer generates the ultrasonic pulse. When the pulse is induced into the concrete from a transducer, it undergoes multiple reflections at the boundaries of the different material phases within the concrete.

A series of ways are induced in concrete, which includes longitudinal (compression), shear (transverse), and surface (Rayleigh) waves. The transducer placed on another side detects fasted longitudinal waves.

The velocity of the ultrasonic pulse primly depends on the shape, size, and geometry of the concrete material through which they pass and depends only on its elastic properties. Therefore, this method is suitable for assessing the structural properties of concrete.

As per the ultrasonic pulse velocity principle, when concrete quality is good in density, homogeneity, and uniformity, it obtains higher velocity in concrete. On the other hand, if the concrete quality is poor, the velocity obtained is lower.

In case the concrete has cracked and voids inside, the strength of pulse velocity is reduced, and it passes around discontinuity, thereby following the longer path for travel. Consequently, lower velocities are obtained.

The velocity of the pulse depends on the concrete material or mix proportion. In addition, aggregate density and modulus of elasticity also significantly affected the pulse's velocity.

Any suitable type of transducer operating within the frequency range of 20 kHz to 150 kHz may be used. In addition, piezoelectric and magnetostrictive transducers may be used, the latter being more suitable for the lower part of the frequency range.

UPV test is performed on concrete as per **IS: 13311 (Part 1) – 1992**.

During the test, the transducer held in contact with one surface of concrete and it traversed a known path length Q in the concrete, and then an electrical signal passed the second transducer held in contact with the other surface of the concrete member and the transit time (T) of the pulse to be measured.

The pulse velocity (V) is given by:

$$V = L/T$$

Once the transducer discovers the path, the pulse velocity is transmitted at a right angle to the surface of the concrete to get the best result.

It is essential that pulse velocity propagated or transmission by the transducer is detected by receiving transducer. In addition, to ensure that they keep sufficient coupling between the concrete and the face of each transducer. Generally, copulates are petroleum jelly, grease, liquid soap, and kaolin glycerol paste.

If there is a very rough concrete surface, it is essential to smoothen it to place the transducer.

Table – 2 Velocity Criteria for Concrete Quality Grading

Sr. No.	Pulse Velocity by Cross Probing (Km / Sec)	Concrete Quality Grading
1.	Above 4.5	Excellent
2.	3.5 to 4.5	Good
3.	3.0 to 3.5	Medium
4.	Below 3.0	Doubtful

6.2.1 Results for the Rebound Hammer Test

Table 3: Rebound hammer test results

S.No	Column No	Internal/ External Column Reading	Rebound Number / Compressive strength (N/mm ²)					Avg. Comp. Strength N/mm ²	Direction of test	Remark (See Table-1)
			1	2	3	4	5			
1	C1	External	31/27	22/12	20/10	29/24	32/27	20	0 ⁰	Fair
2	C2	External	40/42	24/16	24/16	20/10	23/13	19.4	0 ⁰	Poor
3	C3	External	21/11	32/27	25/16	20/10	20/10	14.8	0 ⁰	Poor

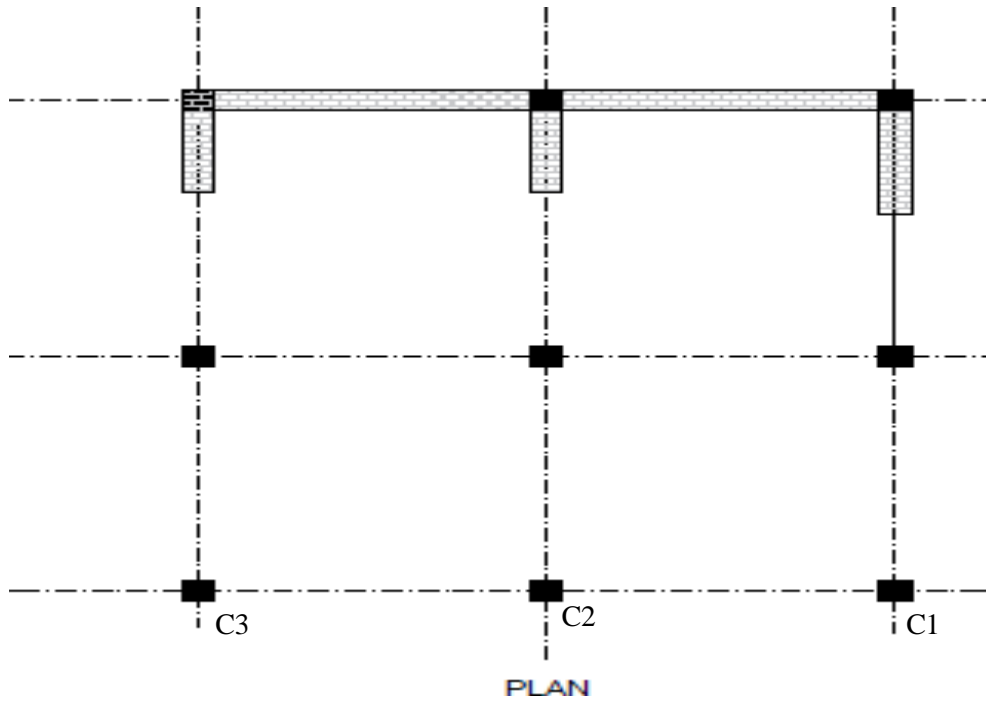


Fig 3: Plan view

6.2.2 Results for the Ultra Sonic Pulse Velocity

- Test results of UPV for all the **columns**

Table 4: Ultrasonic Pulse Velocity results for Columns

S.No	Column	Type	Length (Inch)	Length (L) (Km)	Time (T)	UPV (L/T) (Km/Sec)	Remarks (see Table 2)
1	C 1	Direct	11	0.000279	114.9	2.43168458	Doubtful
		Semidirect	7.7	0.000196	131.6	1.48617319	Doubtful
		Indirect	9	0.000229	131.6	1.73708554	Doubtful
2	C 2	Direct	11	0.000279	672.7	0.41534199	Doubtful
		Semidirect	7.7	0.000196	227.3	0.86045047	Doubtful
		Indirect	9	0.000229	112.3	2.03562295	Doubtful
3	C 3	Direct	11	0.000279	97.4	2.8685889	Doubtful
		Semidirect	7.7	0.000196	116.5	1.67880164	Doubtful
		Indirect	9	0.0002286	132.5	1.725286469	Doubtful

- All the columns showed doubtful signs of indication.
- Either the columns should be strengthened using any of the retrofitting techniques or demolished

7.0 DISTRESS MAPPING

Distress mapping has been carried out, and the following levels of distress are assigned to each of the building elements:

Levels of distress:

- D1 - Minor cracks to plaster.
- D2 - Minor cracks to the structural member and plaster cracks. D3 - Cover concrete of structural member Spalled in patches
- D4 - Cover concrete spalled & reinforcement exposed at a few locations.
- D5 - Cover concrete spalled & reinforcement exposed at a majority of locations.
- D6 - Structural member broken, cover concrete fallen & reinforcement broken also.
- D7 - Bulging of column/ sagging of beam/ sagging of slab.
- D8 - Leakages, dampness, seepage etc.

7.1 Sign Convention

The following signs are used to denote the level of distress in structural members.

- 1) Distress in beam or column with the level of distress.



e.g. Minor cracks to beam along with cracks to plaster denoted by (the numeric value denotes the level of distress)



- 2) Distress in slab



e.g. Cover concrete of slab delaminated



- 3) Distress in RCC elements other than Beams, Columns and Slab



7.2 External Surface:

External Faces:

1. Cracks are observed on the columns.
2. External plaster has bulged at some of the locations.
3. Spalling of cover concrete has been observed on the soffit of Chajjas.
4. Chajjas are entirely distressed.
5. Vegetation growth has been observed in the chajjasat many locations.

Staircase:

1. No staircase

8.0 CONCLUDING REMARKS

Visual examination of structure is the most effective and qualitative approach to evaluate the structural soundness and identify the typical distress symptoms and associated problems. Based on our experience in condition assessment, structural audit and rehabilitation engineering, the symptoms of distress allow a sufficient understanding of the cause of distress as these are related to the structure's age. It provides the following valuable information concerning its quality, structural serviceability and material deterioration mechanism. It quickly scanned the structure to assess its general health status.

The building named “Motha Maruthi Devasthanum” at Kanhapur, Selu, Wardha, Maharashtra, is a single-storied RCC framed and partially load-bearing structure. This building is an approximately 36-year-old temple.

- All the columns showed doubtful signs of indication.
- Either the columns should be strengthened using any retrofitting technique or demolished.
- Steel I section (ISMB150) should be placed at lintel level over columns C-1, C-2, C-3, C4 and C5.
- The cantilever chajjas should be demolished for the safety of the occupants because of spalling of the concrete cover.
- The vegetation growth (plants, roots, mould and mildew) was enormously observed on chajjas of the building.


9.0 PHOTOGALLERY



Fig 5: Column with major cracks




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HOD-Civil Engineering
HEAD,
Department of Civil Engineering
Jyoti Institute of Technology, Warananagar


Dr. V.M. Thakur
Faculty In-charge


Dr. N.M. Kumbhar
Principal
Jyoti Institute of Technology
Jyoti, Warananagar


Dr. Prathik Kulkarni
Structural Auditor-1



मोठा मारोती देवस्थान कान्हापुर ता.सेलु, जि.वर्धा

र.नं. A२३ वर्धा

भ्रमध्वनी क्रमांक : ९४२२१४४६८४



दिनांक : ०१/०६/२०२३

अध्यक्ष

श्री. भुजंगराव पेटकर

सचिव

श्री. रामकृष्णा पेटकर

कोषाध्यक्ष

श्री. नुकाराम नुटे

सदस्य

श्री. नरहरी सातपुते

श्री. देवानंद येळणे

श्री. डॉ. ब्रजन सत्येकार

श्री. डॉ. अमोल येळणे

Completion Certificate

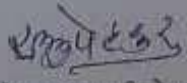
A task of structural audit of Motha Maroti devasthan, kanhapur, Seloo, Wardha was given to the Department of Civil Engineering, Bajaj Institute of Technology, Wardha. We are satisfied with their prompt services.

This is to certify that the structural audit of Motha Maroti devasthan was done successfully and received the report.

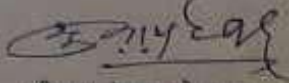
We extend our gratitude towards department of Civil Engineering, of Technology, Wardha.

Thanks once again!

सचिव


श्री. रामकृष्णाजी पेटकर

अध्यक्ष


श्री. भुजंगराव पेटकर



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Session on Civic Harmony

Event Name: Constitution Day Celebration

Date: November 26, 2022

Organizer: National Service Scheme (NSS) unit, Bajaj Institute of Technology, Wardha

Significance: Commemoration of the adoption of the Constitution of India on November 26, 1949

Key Speaker: Dr. K. D. Joshi, Associate Prof.

Coordinator: Prof. Vikas Ravekar, NSS Programme Officer

Participants and Beneficiaries: Principal-Dr. Narendra Kanhe, Head of Departments, teaching and non-teaching staff, students, **57** NSS volunteers

Overview of the Event:

On November 26, 2022, Bajaj Institute of Technology, Wardha, observed Constitution Day in honour of the adoption of the Constitution of India. The event, **organized by the National Service Scheme (NSS) unit**, aimed to spread awareness about the significance of the Indian Constitution and promote the ideas of Dr. Babasaheb Ambedkar. The ceremony witnessed the presence of Principal Dr. Narendra Kanhe, Heads of Departments, teaching and non-teaching staff, and enthusiastic students including **57** NSS volunteers.

The event commenced with a sense of reverence as the gathering paid homage to the Constitution, choosing November 26 to commemorate the profound thoughts and ideas of Dr. Babasaheb Ambedkar. Dr. K. D. Joshi, in his expert lecture, emphasized the paramount importance of Indian Constitution Day, shedding light on fundamental rights and the constitutionally mandated obligations of citizens. He highlighted the historical significance of Constitution Day and its relevance in contemporary times. This served as an insightful session, connecting the academic community with the essence of constitutional principles. The event concluded with a collective rendition of the National Anthem and a solemn recitation of the Pledge, symbolizing a unified commitment to uphold the principles enshrined in the Constitution. Prof. Vikas Ravekar, NSS Programme Officer, played a pivotal role in coordinating the program, ensuring its smooth execution.

The Constitution Day celebration served as a platform to instil a deeper understanding of the

principles embedded in the Indian Constitution. It was aligned with the college's vision as it fostered a commitment among students and faculty to uphold constitutional values, promoting civic responsibility, and nurturing socially conscious individuals prepared to contribute to the nation's progress.

Photograph of the activity:



Prof. Vikas Ravekar

PROGRAMME OFFICER
National Service Scheme (NSS)
Bajaj Institute of Technology,
WARDHA



Shiksha Mandal's
Bajaj Institute of Technology, Wardha
(Affiliated to DBATU, Lonere, Raigad, Maharashtra)

Academic Session: 2022-23

Doc. No.: BIT/ACAD/Report/22-23

Date: 14/10/2022

Department of First Year
Activity Report

Shiksha Mandal's BIT, Wardha	Report on expertise delivered as English Language Expert (Rater 2) for assessment of ATC Officers at AAI.			Page	1 of 1
				Prepared on	14/10/2022
Academic Year	2022-2023	Class	NA	Semester	NA
Event Name / Title	Aviation English Language Proficiency Test 08				
Date :	10/10/2022	Duration	13 hrs		
Experts name and designation	Mrs. Naina Jagyasi (Assistant Professor, Humanities, First Year Engineering, BITW)				
Faculty In-charge:	-	Total No. of Beneficiary:	11		

Event details:

About the Speaker	Mrs. Naina Jagyasi is an expert field of Communication Skills and English Language. She is a law graduate and has done Masters in English Literature from Nagpur University. She has submitted her Ph. D. thesis. She has taught subjects like Communication Skills, Functional English, Basic Human Rights, Soft Skills and Personality Development, Interpersonal Skills etc. She has numerous paper publications in international Journals and conferences to her credit. She is a qualified Aviation English Language Trainer, duly certified by Directorate General of Civil Aviation (Govt. of India) on the expert panel of Airports Authority of India.
About the event	The Airports Authority of India was served at National Institute of Aviation Training And Management (NIATAM), Birsi Gondia as a Language Expert (Rater 2) by Mrs. Naina Jagyasi. She was invited to serve as a board member for assessing Aviation English Language Proficiency of Air Traffic Control Officers from 10.10.2022 to 13.10.2022 at National Institute of Aviation Training And Management (NIATAM), Birsi Gondia.

Appendix A: Enclosures

1. Proof of the activity – Invitation Email
2. Proof of Activity – Certificate

Approved By

(Portfolio In-charge)

(Head of Department)

Document No	Prepared on	Revised on	Prepared By	Approved By
BITACAD/FY/2022-23/Odd/Guest Lecture	14/10/22	/ /21	NJ	Dr. N.M. Kanhe Principal



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Information Dissemination – WhatsApp Group

Title: Report on Information Dissemination to Rural Youth through WhatsApp Group: A Bajaj Institute of Technology Initiative in Pipri, Pandharkawda

In a bid to empower and inform the youth in Pipri, Pandharkawda, Bajaj Institute of Technology, Wardha, initiated a progressive program involving the creation of a WhatsApp group. Launched with the primary aim of disseminating valuable information to the rural youth, this report highlights the establishment, operation, and impact of this innovative communication platform.

The primary objective of forming the WhatsApp group is to provide rural youth with easy access to relevant information, including educational opportunities, employment updates, and skill development programs. Also, to promote digital literacy by utilizing widely-used platforms like WhatsApp for information dissemination.

The WhatsApp group was formed in collaboration with local community leaders, educators, and representatives from Bajaj Institute of Technology. In which, all information shared on the group is curated and moderated to ensure accuracy and relevance. The WhatsApp group serves as a comprehensive source of information, covering various categories beneficial to the rural youth: like updates on scholarships, entrance exams, and educational opportunities, employment, vocational training programs, updates on relevant government schemes and initiatives.

The outreach strategy involves collaboration with local community leaders, schools, and youth organizations to ensure maximum participation. The Information Dissemination through WhatsApp Group initiative by Bajaj Institute of Technology in Pipri, Pandharkawda, stands as a testament to the institute's commitment to community development. By leveraging digital platforms, the program effectively bridges the information gap for rural youth, empowering them with opportunities for education, employment, and skill enhancement. As the initiative

continues to evolve, it is expected to play a pivotal role in the holistic development of the rural youth in the region.




Dr.N.M.Kanhe
Principal
PRINCIPAL
Bajaj Institute of Technology
FIP&I, Wardia



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Report on ICT Education

On **April 27, 2023**, Bajaj Institute of Technology in Wardha organized a comprehensive workshop on Information and Communication Technology (ICT) for students from Pipri Zilla Parishad. The event aimed to provide students with a deeper understanding of the latest advancements in ICT and how it can be leveraged for personal and professional growth.

The workshop featured distinguished faculty from the Department of Computer Engineering. Their insights and experiences added depth to the discussions, providing students with a real-world perspective on the application of ICT in different domains. The workshop included interactive Q&A sessions, and group discussions to encourage active participation and engagement. This allowed students to share their thoughts, ask questions, and exchange ideas with both the speakers and their peers. The workshop covered a diverse range of topics within the realm of ICT, including: Definition and Scope of ICT, Evolution and Historical Perspective, Key Components of ICT: Hardware and Software, Networks and Connectivity.

The Information and Communication Technology workshop organized by Bajaj Institute of Technology, Wardha, proved to be a valuable and enlightening experience for the Pipri Zilla Parishad students. It enhanced their understanding of ICT concepts and inspired them to consider future careers in the rapidly evolving field of technology. The success of this workshop underscores the importance of such initiatives in bridging the digital divide and preparing students for the challenges of the modern world.





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World Aids Day

World AIDS Day, observed annually on **December 1st**, serves as a global opportunity to unite in the fight against HIV, show support for those living with the virus, and remember those who have lost their lives to AIDS-related illnesses. The National Service Scheme unit (NSS) of Bajaj Institute of Technology, Wardha, organized a thoughtful and impactful event on World AIDS Day.

The event commenced with an insightful inaugural address by Dr. Narendra Kanhe, Principal, highlighting the significance of World AIDS Day and the ongoing global efforts to combat HIV/AIDS. Dr. N. Kanhe emphasized the role of educational institutions in raising awareness and dispelling myths surrounding HIV/AIDS. Dr. S. M. Mahajan conducted a guidance session, providing students with in-depth information about the current scenario of HIV/AIDS, its prevention, and the importance of non-discrimination towards individuals living with HIV. He shed light on the need for education as a tool to eradicate misconceptions.

Photograph of the activity:



PROGRAMME OFFICER
National Service Scheme (NSS)
Bajaj Institute of Technology,
WARDHA



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Voting Awareness Camp

Organizer: National Service Scheme (NSS) unit, Bajaj Institute of Technology, Wardha

Key Speaker: Principal, Dr. Narendra M. Kanhe

Coordinator: Prof. Vikas Ravekar, NSS Program Officer

Participants and Beneficiaries: NSS volunteers, students, teaching and non-teaching staff
(approx. 80 attendees)

Venue: Seminar Hall

Program Highlights:

Welcome Speech by Dr. Narendra M. Kanhe

Voting Awareness Speech by Prof. Abhijeet Dehadrai

National Anthem

Overview of the Event:

On **January 25, 2023**, the **NSS unit** of Bajaj Institute of Technology celebrated National Voters' Day, recognizing the crucial role of voting in the democratic process. Approximately **80 participants** including NSS volunteers, students, and teaching and non-teaching staff actively participated in the program, showcasing a collective commitment to voter awareness.

The event commenced with a welcome speech by Principal, Dr. Narendra Kanhe, who stated the significance of this day. His speech set the tone for the event, emphasizing the crucial role of voting in shaping the nation's democratic landscape. He highlighted the power of every individual's voice in choosing their representatives, regardless of caste, color, gender, creed, or financial status. The event continued with Asst. Prof. Abhijeet Dehadrai delivering a speech on voting awareness, shedding light on the responsibility that comes with the right to vote. Prof. Vikas Ravekar, NSS Program Officer, efficiently coordinated the event, ensuring its smooth execution. The program took place in the seminar hall, providing a conducive environment for awareness and participation. The event concluded on a patriotic note with the singing of the National Anthem.

Importance of the Program:

The National Voters' Day celebration aimed to raise awareness about the importance of voting and encourage active participation in the democratic process. The program was aligned with the college's vision as it fostered a culture inclusivity and informed democratic participation among students, in accordance with the institute's commitment to nurturing socially responsible individuals.

Photographs of the activity:



Prof. Vikas Ravekar
NSS, Programme Officer
WARDHA



Shiksha Mandal's

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Seminar on “Social and Intellectual Development”

Event Name: National Youth Day Celebration

Date: January 12, 2023

Venue: Bajaj Institute of Technology, Wardha

Organizer: National Service Scheme (NSS) unit of Bajaj Institute of Technology, Wardha

Beneficiaries: Faculty Members (**Write No. here**), Students (**Write No. here**)

Activities:

Prayer

Principal's Address

Presentation by Student - Jay Dhamane

Speech by Mr. Abhijeet Dehadrai, Asst. Prof. - Humanities

Faculty Views and Motivational Messages

Overview of the Event:

On January 12, 2023, Bajaj Institute of Technology, Wardha, celebrated National Youth Day in honour of Swami Vivekananda's birth anniversary. The event, **organized by the National Service Scheme (NSS)** unit of the institute, aimed to inspire and motivate students. **21 faculty and 35 students** attended the program.

The celebration commenced with a soulful prayer, setting a spiritual tone for the event. Dr. Narendra Kanhe, the Principal, delivered a powerful address, stressing the relevance of Swami Vivekananda's teachings in today's world. He encouraged students to embrace fearlessness, self-discipline, and dedication in their academic and personal lives. Jay Dhamane, a Civil Engineering student and NSS volunteer, delivered a captivating presentation, sharing the spiritual and energetic thoughts of Swami Vivekananda. Asst. Prof. A. Dehadrai, in his motivating speech, urged the youth to channel their energy towards positive and transformative endeavours. He highlighted the significance of active engagement in societal issues. He motivated students to pursue knowledge not only for personal growth but also for the betterment of society. Other professors shared

personal anecdotes, providing valuable insights into navigating the challenges faced by the youth. They emphasized the role of education in shaping responsible and compassionate individuals.

Importance of the Program:

The National Youth Day celebration served as a platform to integrate spiritual and intellectual development. It aimed to empower the youth with a sense of purpose, motivation, and social responsibility. This program was **aligned with the college's vision** by cultivating a holistic approach that not only enhances the professional readiness of students but also instils ethical values, fostering innovation and a commitment to delivering excellence in their chosen professions.

Photograph of the activity:





PROGRAMME OFFICER
National Service Scheme (NSS)
Bijju Institute of Technology,
NSS, Programme Officer



Department of First Year

Activity Report

Shiksha Mandal's BIT, Wardha	Report on Judgement of State level Seminar Competition at Bajaj Science College Wardha			Page	1 of 1
				Prepared on	26/02/2023
Academic Year	2022-2023	Class	UG	Semester	NA
Event Name / Title	State level Seminar Competition at Bajaj Science College Wardha				
Date :	24/02/2023	Duration	2 Hr		
Experts name and designation	Dr.Vivek Bhusari (Associate Professor, First Year, BITW) Dr.Vijay Deshmukh (Associate Professor, First Year, BITW)				
Faculty In- charge:		Total No. of Beneficiary:	27+16 =33		

Event details:

About the Speaker	<p>Dr.Vivek Bhusari is Associate Professor in Applied Chemistry. He has 25 years of academic and research experience. He has done Post Graduation in Industrial Chemistry. He did Ph.D. in Chemistry from Nagpur University. He has to his credit 5 research papers in journals and 6 in international conferences. His area of interest is material, nanomaterials, and environmental chemistry.</p> <p>Dr.Vijay Deshmukh is Associate Professor in Applied Physics. He has done Masters in physics. He did a doctorate in Physics from Inha University, S. Korea. He has more than 13 years of teaching and research experience. He has published 3 research papers in a journal. His area of interest is laser and electronics physics.</p>
About the event	<p>State-level student seminar competition "Scintillation 23"- 'Recent Trends in Basic Sciences' was organized by The National Academy of Science (NASI), India on 24th February 2023 at Bajaj Science College, Wardha. In this competition, 200 undergraduate students participated from various universities in Maharashtra. Dr. Vivek Bhusari was invited to judge the presentation in Chemistry. Students had given presentations on recent trends in chemistry like click chemistry, nanomaterials, biopolymers, green chemistry etc. Presentations were evaluated by judges and declared winners.</p>

Document No	Prepared on	Revised on	Prepared By	Approved By
BITACAD/FY/2022-23/Odd/Expert Judge	27/02/2023	27/02/2023	VNB	Dr. N.M. Kanhe Principal



Shiksha Mandal's
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Academic Session: 2022-23

Doc. No.: BIT/ ACAD/Report/22-23

Date: 26/02/2023

Dr. Vijay Deshmukh was invited to Judge the presentation in Physics. There were 16 participants from different institutes of universities in Maharashtra. The topics were based on the recent trends in Physics such as optical fiber, lasers, quantum computers, etc. All presentations were evaluated by the judges and declared winners.

Appendix A: Enclosures

1. Proof of the activity – Invitation & Thanks letter from Bajaj Science college Wardha
2. Proof of Activity – Photos

Prepared By
(Portfolio In-charge)

Approved By
(Head of Department)

HEAD
First Year Department
Bajaj Institute of Technology
PIPRI - WARDHA

Document No	Prepared on	Revised on	Prepared By	Approved By
BITACAD/FY/2022-23/Odd/Expert Judge	27/02/2023	27/02/2023	VNB	Dr. N.M. Kanhe Principal



Shiksha Mandal's
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Academic Session: 2022-23

Doc. No.: BIT/ ACAD/Report/22-23

Date: 26/02/2023

Establishment Year: 1962

Shiksha Mandal's

Bajaj College of Science, Wardha

(Formerly known as Institute Bajaj College of Science)

(Autonomous)

A Linguistic Minority College, DST-FIST Supported
 NAAC Reaccredited with 'A' grade (CGPA 3.23)

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Jainnagar Bajaj Marg, Civil Line
 Wardha-442 001 (Maharashtra)
 Uni. College No. : 652
 Jr. College No. : 07-01-003
 UOIAS No. : 27060800106

Ref No. BC/Seminar/03/2022-23/

Date : 13/02/2023

To
 Dr. Vivek Bhusari,
 Assistant Professor,
 Department of Chemistry,
 Bajaj Institute of Technology,
 Pipri-Wardha
 Email: vivek.bhusari@bajwardha.ac.in
 Mob: 9011032555

Dear Sir,

Bajaj College of Science is a pioneer Institute in Science Education, established in the year 1962 at Wardha (Maharashtra).

We are organizing a state level student seminar competition (Sci-innovation 2023) in series with the grand success of Sci-innovation 2015, 2017 and 2019 on 24th February 2023 where undergraduate students from our state will gather to present their topic based on the "Current Trends in Basic Sciences" in seven different streams/subjects.

Sir, you are a source of inspiration for the community of science in our region. At this juncture, with pride and privilege, I take this opportunity of inviting you as a judge for the stream Chemistry in the event on 24th February 2023 from 9.00 am onwards. We will be obliged with your warm presence and hence requesting you to spare some time out of your busy schedule for the same. I extend my cordial invitation for your valuable presence to grace this occasion. Hoping for your positive inclination to our invitation as a subject judge.

With regards,

(Prof. P.V. Tekade)
 Offr. Principal,
 Offr. Pipri
 Bajaj College of Science
 WARDHA

Document No	Prepared on	Revised on	Prepared By	Approved By
BITACAD/FY/2022-23/Odd/Expert Judge	27/02/2023	27/02/2023	VNB	Dr. N.M. Kanhe Principal

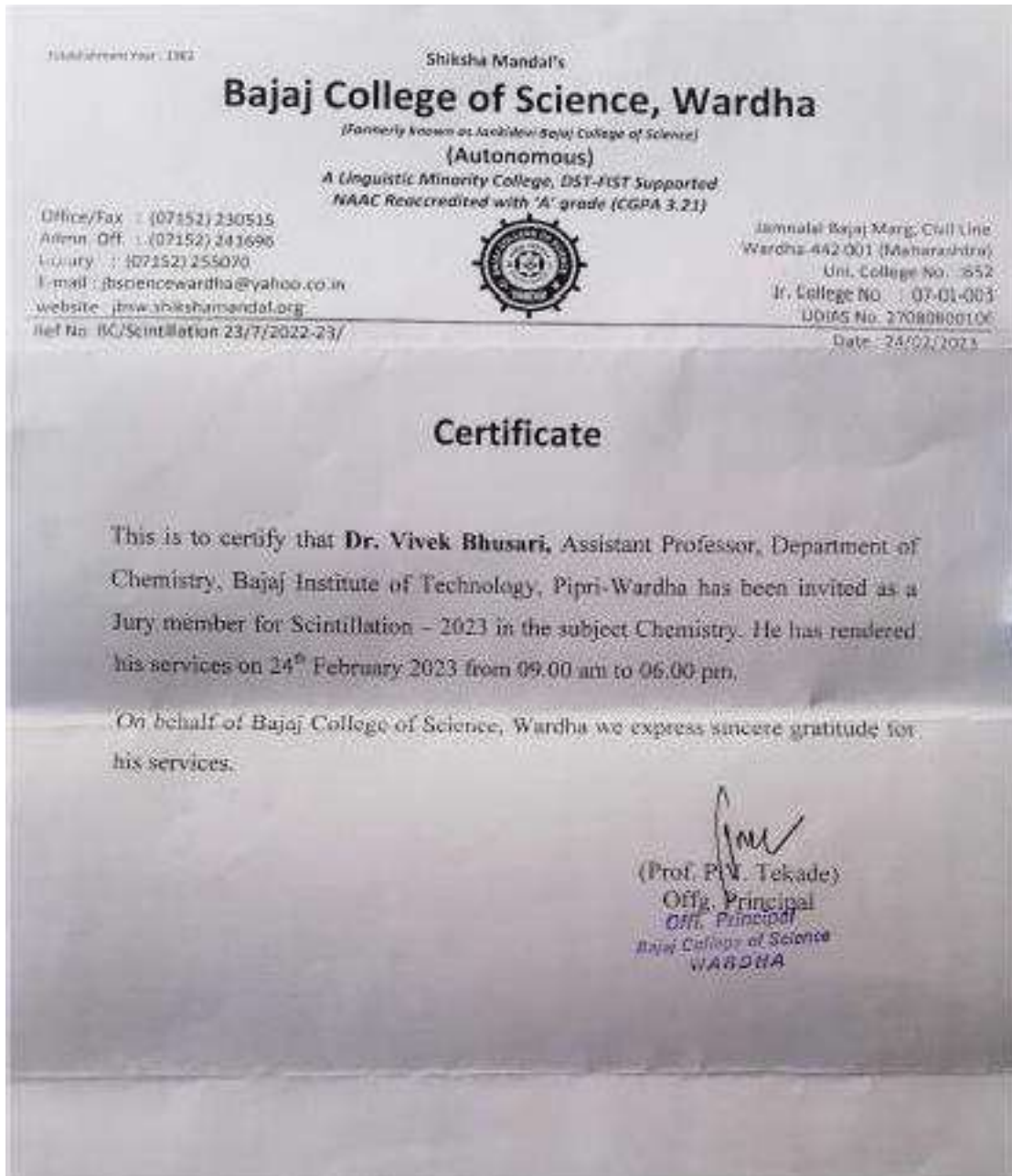


Shiksha Mandal's
Bajaj Institute of Technology, Wardha
 (Affiliated to DBATU, Lonere, Raigad, Maharashtra)

Academic Session: 2022-23

Doc. No.: BIT/ACAD/Report/22-23

Date: 26/02/2023



Document No	Prepared on	Revised on	Prepared By	Approved By
BITACAD/FY/2022-23/Odd/Expert Judge	27/02/2023	27/02/2023	VNB	Dr. N.M. Kanhe Principal



Shiksha Mandal's
Bajaj Institute of Technology, Wardha
(Affiliated to DBATU, Lonere, Raigad, Maharashtra)

Academic Session: 2022-23

Doc. No.: BIT/ACAD/Report/22-23

Date: 26/02/2023

Establishment Year: 1962

Shiksha Mandal's

Bajaj College of Science, Wardha

(Formerly known as Jankidevi Bajaj College of Science)

(Autonomous)

A Linguistic Minority College, DST-FIST Supported
NAAC Reaccredited with 'A' grade (CGPA 3.21)

Office/Fax : (07152) 230515
Admn. Off. : (07152) 241696
Library : (07152) 255070
E-mail : jbsciencewardha@yahoo.co.in
website : jbsw.shikshamandal.org



Jankidevi Bajaj Marg, Civil Line
Wardha-442 001 (Maharashtra)
Uni. College No. : 652
Jr. College No. : 07-01-003
UDIAS No. 27080800106

Ref No. BC/Scintillation 23/2022-23/

Date : 15/02/2023

To
Dr. Vijay Deshmukh
Associate Professor, Department of Physics
Bajaj Institute of Technology, Wardha
Email: vijay.deshmukh@bitwardha.ac.in
Mob. 7610254885

Dear Sir,

Bajaj College of Science is a pioneer Institute in Science Education, established in the year 1962 at Wardha (Maharashtra).

We are organizing a state level student seminar competition (Scintillation 2023) in series with the grand success of Scintillation '2015, 2017 and 2019 on 24th February 2023 where undergraduate students from our state will gather to present their topic based on the "Current Trends in Basic Sciences" in seven different streams/subjects.

Sir, you are a source of inspiration for the community of science in our region. At this juncture, with pride and privilege, I take this opportunity of inviting you as a judge for the stream Physics in the event on 24th February 2023 from 9.00 am onwards. We will be obliged with your warm presence and hence requesting you to spare some time out of your busy schedule for the same. I extend my cordial invitation for your valuable presence to grace this occasion. Hoping for your positive inclination to our invitation as a subject judge.

With regards,


(Prof. P. V. Tekade)
Offr. Principal
Offr. Principal
Bajaj College of Science
WARDHA

Document No	Prepared on	Revised on	Prepared By	Approved By
BITACAD/FY/2022-23/Odd/Expert Judge	27/02/2023	27/02/2023	VNB	Dr. N.M. Kanhe Principal



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Department of First Year Engineering

Activity Report

Shiksha Mandal's BIT, Wardha				Page	1 of 1
				Prepared on	14/02/2023
Academic Year	2022-2023	Class	NA	Semester	NA
Event Name / Title	Expert Session on Applications of Geogebra in Physics				
Date :	10 & 11/02/2023	Duration	2 Hr x 2 days = 4 Hrs		
Experts name and designation					
Faculty In-charge:	Dr. Vijay Deshmukh	Total No. of Beneficiary:	51 (B.Sc. Second Year)		

Event details:

About the Speaker	<p>Dr. Vijay Deshmukh is an expert in the field of Geogebra programming for Physics Simulations. He did his M.Sc. & B.Ed. from Amravati University, M.Tech. from Devi Ahilya University, Indore and Ph.D. from Ina University, Incheon, South Korea. He taught subjects like Engineering Physics, Quantum Mechnics, Relativity, Engineering Electronics, Mathematical Physics, etc. He has published 3 papers in international Journals and 1 conference.</p>
About the event	<p>Expert lectures on "Applications of Geogebra in Physics" was presented on February 10 and 11, 2023 by Dr. Vijay Deshmukh. B.Sc. Second Year students of Bajaj college of science were benefitted.</p> <p>Geogebra is an application to visualize mathematical concepts, equations in geometrical way. Thus it becomes easy for a Physicist to create a simulation based environment for Physics phenomenon.</p> <p>Basic and advance programming with Geogebra was taught and students tried to create simple simulations like</p> <ol style="list-style-type: none">1. To show angle of reflection and incidence are always equal2. To find the angle of refraction from angle of incidence and refractive index.

Document No	Prepared on	Revised on	Prepared By	Approved By
BITACAD/FY/2022-23/Odd/Guest Lecture	14/02/23	14/2 /2123	VMD	Dr. N.M. Kanhe Principal



Shiksha Mandal's
Bajaj Institute of Technology, Wardha
(Affiliated to DBATU, Lonere, Raigad, Maharashtra)

Academic Session: 2022-23

Doc. No.: BIT/ ACAD/Report//22-23

Date: 14/02/2023

	Hands on were provided to strengthen the concepts of Geogebra in Physics Simulations.
--	---

Appendix A: Enclosures

1. Proof of the activity – Invitation Letter
2. Proof of Activity – Letter of Appreciation
3. Photos of Activity being conducted.

Prepared By
(Portfolio In-charge)

Approved By
(Head of Department)

Document No	Prepared on	Revised on	Prepared By	Approved By
BITACAD/FY/2022-23/Odd/Guest Lecture	14/02/23	14/2 /2123	VMD	Dr. N.M. Kanhe Principal

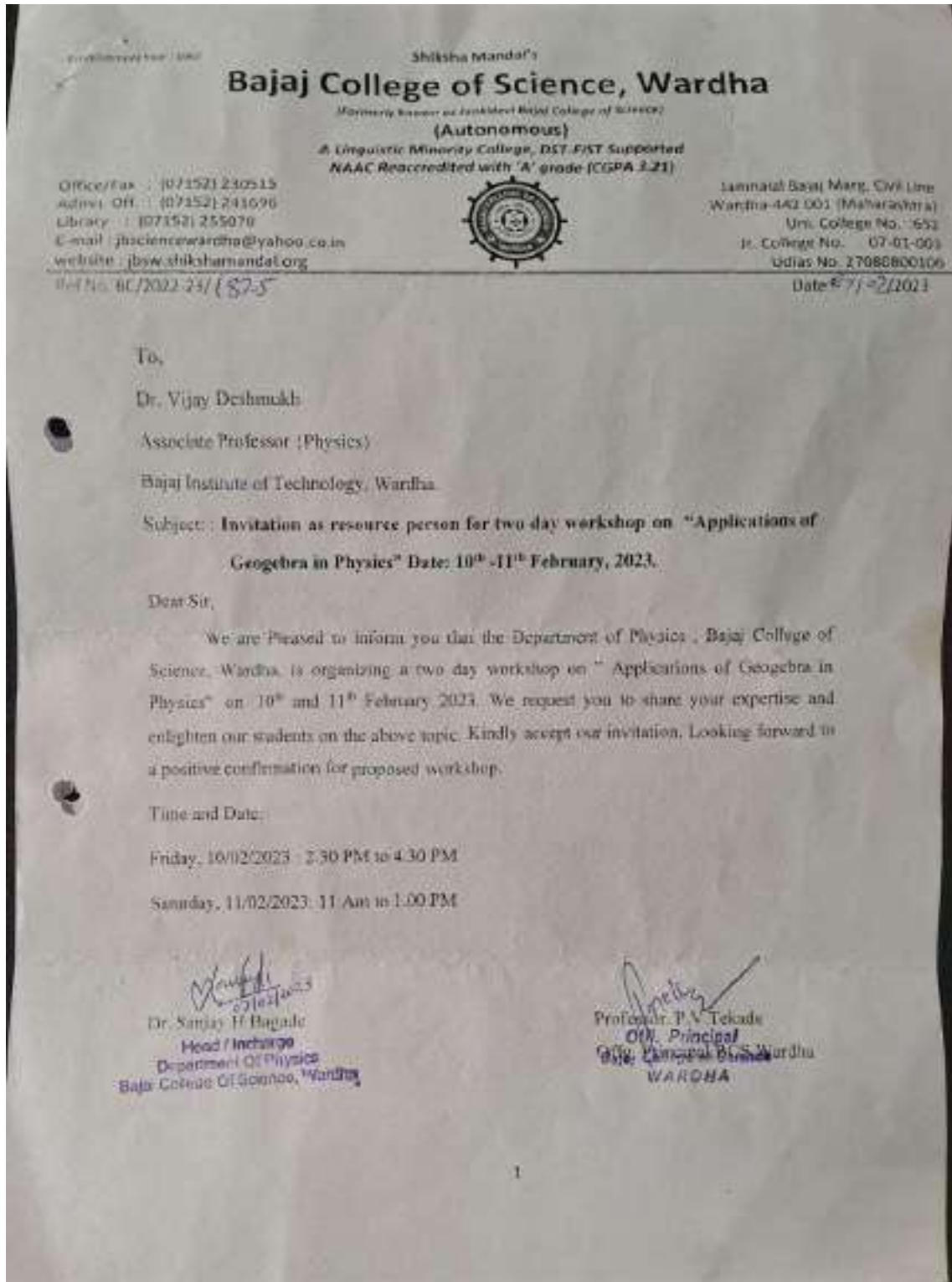


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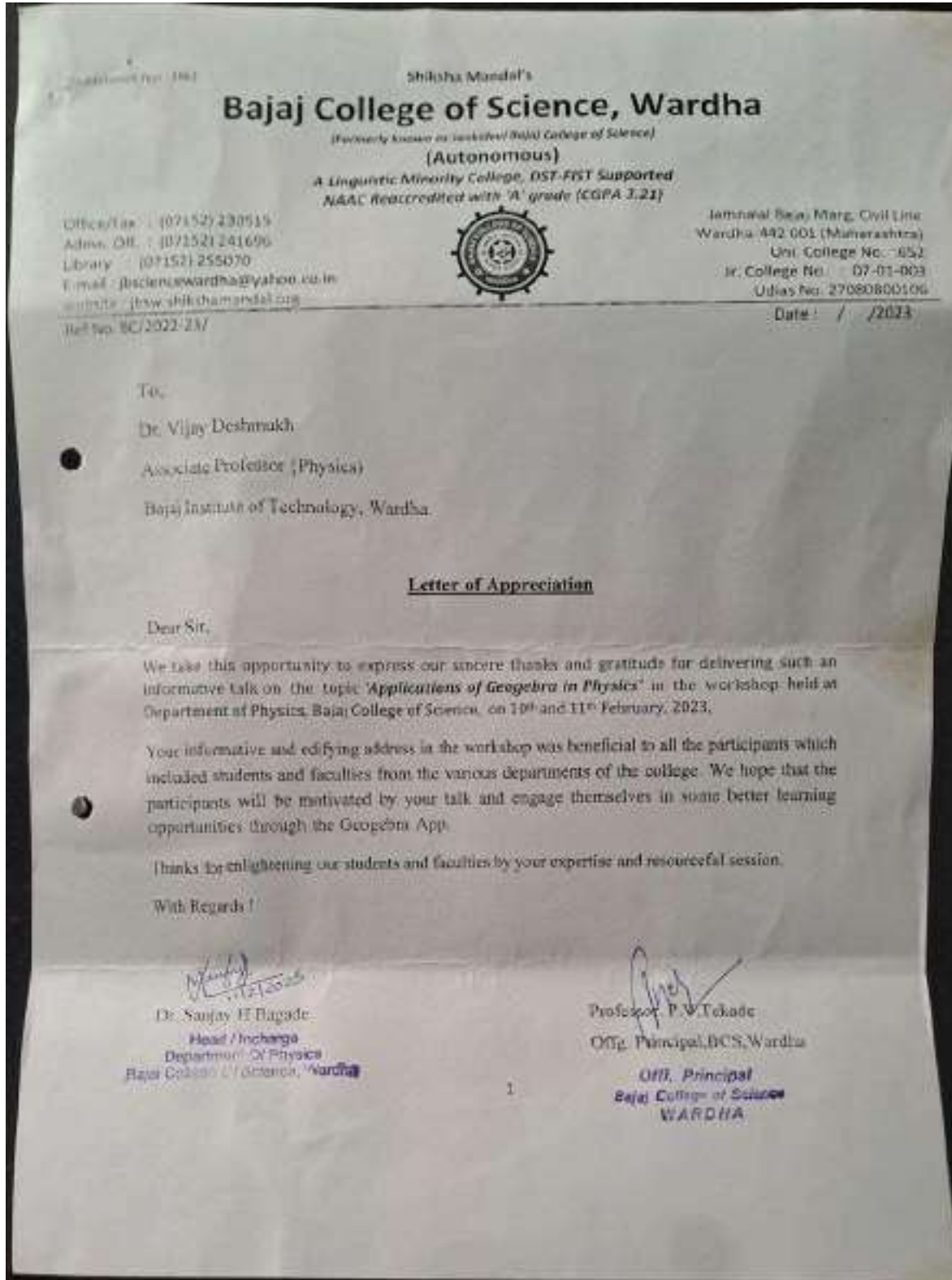


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Bajaj Institute of Technology, Wardha
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Date: 14/02/2023



Document No	Prepared on	Revised on	Prepared By	Approved By
BITACAD/FY/2022-23/Odd/Guest Lecture	14/02/23	14/2 /2123	VMD	Dr. N.M. Kanhe Principal



Shiksha Mandal's
Bajaj Institute of Technology,

Pipri - Wardha
Post Box. No. 25, Pin code: 442001

DTE Code:4649, Phone : 07152- 295473, Email ID : bit@bitwardha.ac.in.

Ref.No:-

Date: 31 / 03 /2023

Notice

This is to inform all the girl students of BIT that online session on 'Menstrual Hygiene Training' for girls is scheduled as under by Women Welfare Cell, BIT. The session will be conducted by Ms. Roshnee Bhowmick and Mrs. Nitya Chaudhary, CSR Executive(s) Unicharm India, a leading Japanese firm in India, existing in the market with the names of Sofy and Mamypoko pants in collaboration with Global Hunt Foundation.

Sl.No	Attendees	Speaker Name	Date	Timings	Google Meet
1	1 st year girl students	Roshnee	01.04.2023	4:00 pm - 5:00 pm	https://meet.google.com/pvo-ovid-oiz
2	2 nd year girl students	Nitya	03.04.2023	4:00 pm - 5:00 pm	https://meet.google.com/rah-jauo-fsz
3	3 rd year girl students	Roshnee	04.04.2023	4:00 pm - 5:00 pm	https://meet.google.com/teo-akjh-nqk
4	4 th year girl students + female staff members	Nitya	05.04.2023	4:00 pm - 5:00 pm	https://meet.google.com/wah-gukv-icf

Attending the above session is mandatory for all girl students. E- certificate will be provided by the firm for the same.

Mrs. Naina Jagyasi

Coordinator

Dr. Snehal Pachpor

Head Women Welfare Cell

Dr. N. M. Kanhe

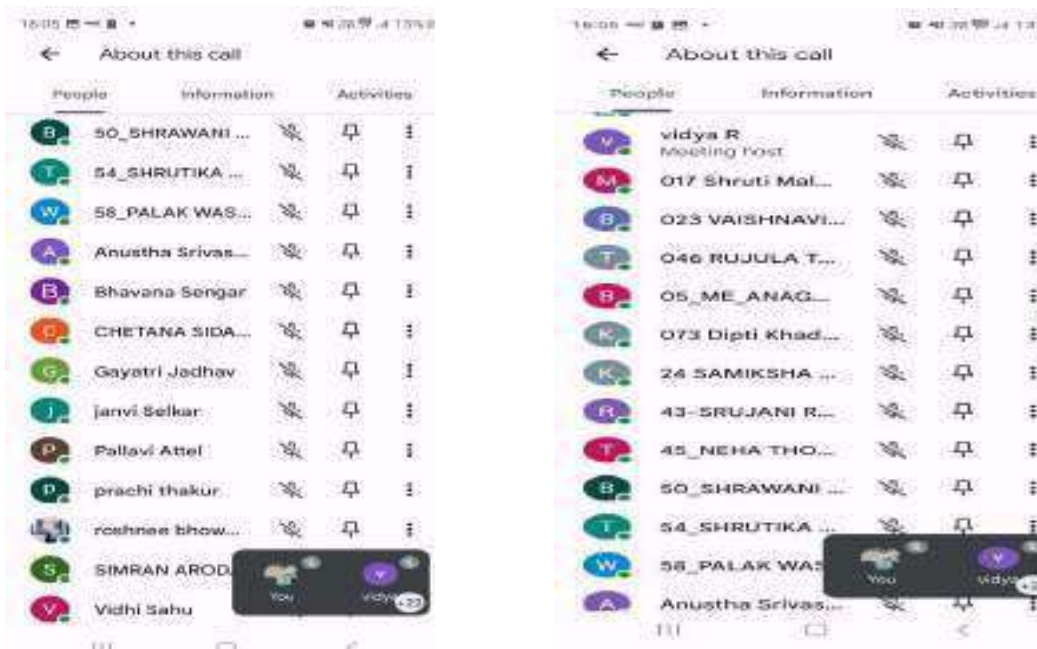
Principal

Shiksha Mandal's
Bajaj Institute of Technology, Wardha
(Affiliated to DBATU, Lonere, Raigad, Maharashtra)

Online session on 'Menstrual Hygiene Training' for all the girl students of BIT was scheduled as under by Women Welfare Cell, BIT. The session was conducted by Ms. Roshnee Bhowmick and Mrs. Nitya Chaudhary, CSR Executive(s) Unicharm India, a leading Japanese firm in India, existing in the market with the names of Sofy and Mamypoko pants in collaboration with Global Hunt Foundation.

For 1st year girl students Ms. Roshnee Bhowmick gave the seminar on wednesday, 01/04/2023 from 4:00 pm to 5:00 pm on women's hygiene and myths about menstrual healths , measures to have good menstrual health and also precautions to be taken during menstrual cycle. For 2nd year girl students Mrs. Nitya Chaudhary gave the seminar on thursday, 02/04/2023 from 4:00 pm to 5:00 pm on women's hygiene and myths about menstrual healths , measures to have good menstrual health and also precautions to be taken during menstrual cycle.

For 3rd and 4th year girl students Ms. Roshnee Bhowmick gave the seminar on friday, 03/04/2023 from 4:00 pm to 5:00 pm on women's hygiene and myths about menstrual healths , measures to have good menstrual health and also precautions to be taken during menstrual cycle.




Dr.N.M.Kanhe
Principal
PRINCIPAL
Bajaj Institute of Technology
PILRI, Wardha



Shiksha Mandal's
Bajaj Institute of Technology
(Approved by AICTE, and affiliated to Dr. Babasaheb Ambedkar Technical
University, Lonere)
Arvi Road, Pipri – Wardha - 442001
Post Box. No. 25, Phone / Fax (07152) 295473, 230506
Web Site: www.bitwardha.ac.in, Email : bit@bit.shikshamandal.org



Energy Literacy Training

Earth Day marks the anniversary of the birth of the modern environmental movement in 1970 and is celebrated on April 22nd every year to raise awareness about environmental issues and to promote actions to protect our planet's ecosystems and biodiversity to engage for a pollution-free planet, and to ensure Earth's climate is conducive to the continued existence of humans in our common home. The day aims to inspire individuals, communities, and governments to adopt sustainable practices and policies that conserve and preserve the natural world for future generations.

In this regard, All India Council for Technical Education (AICTE) jointly with Energy Swaraj Foundation (ESF) invited colleges to become a Climate Tinkering Centre (CTC) for World's Largest Climate Clock Assembly and Display event. This world record event took place on 22nd April 2023, on the occasion of Mother Earth Day. Objective of the event is brought awareness about climate change among masses and bring a sense of urgency to take Action for Climate Correction by imparting Energy Literacy Training to the faculties and students.

Bajaj Institute of Technology, Wardha took active participation in this event and asked all the students and faculties to enroll for the Energy Literacy Training organized by Energy Swaraj foundation. Following are the details of the Program.

Link: <https://es-pal.org/signup/n3xQmoQcgigCgjl>

Total number of Participants registered for the training – 544

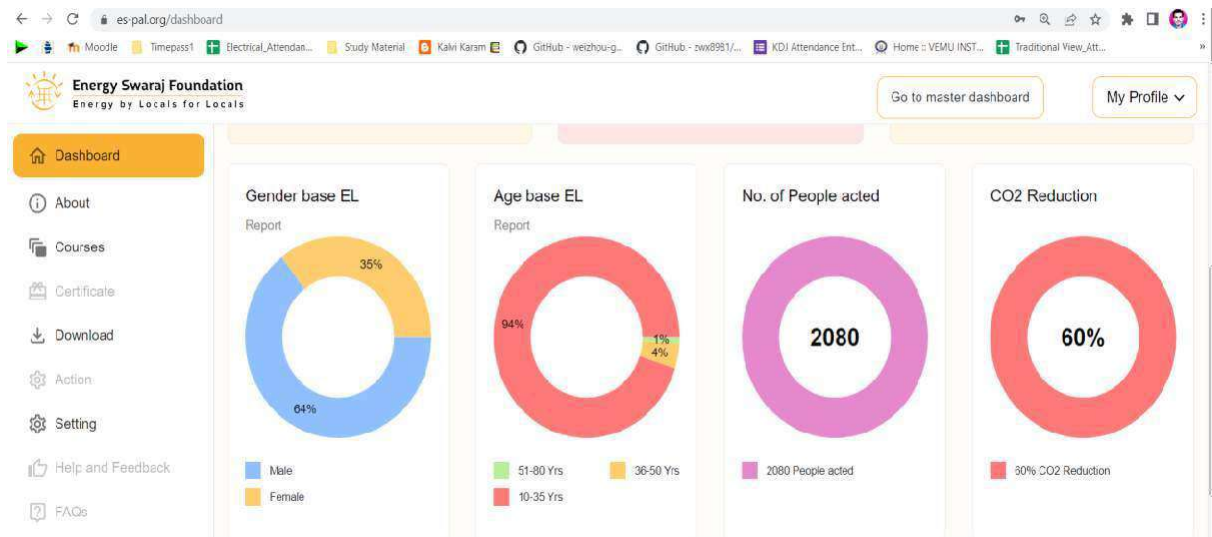
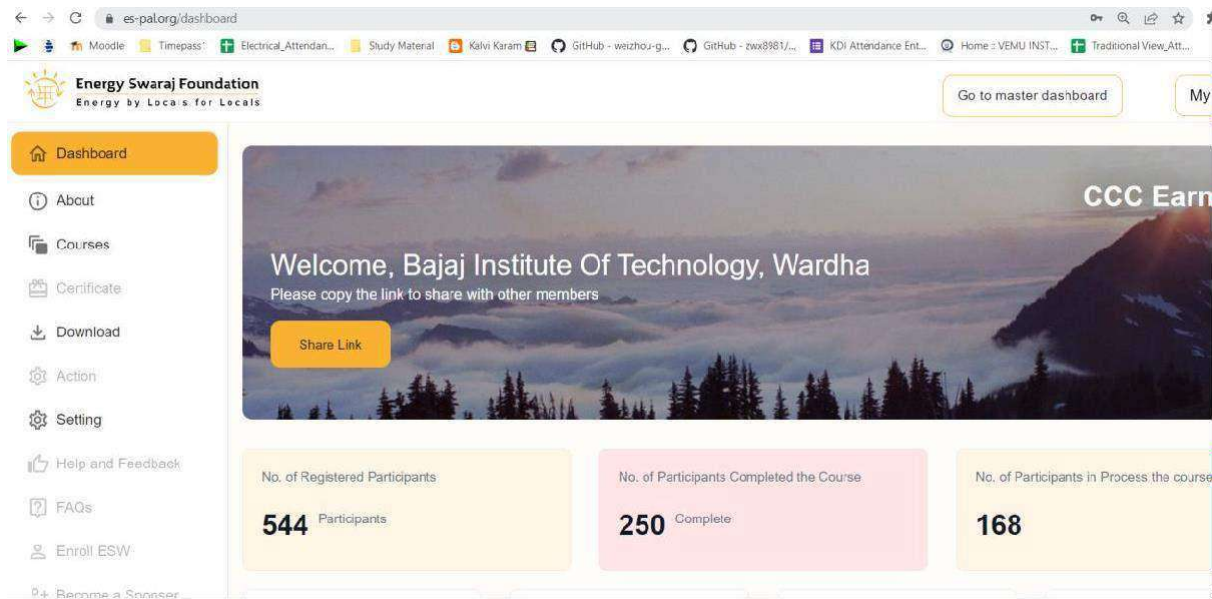
Faculty Participation-41

Student Participation-503

No. of Participants Completed the Course- 250

Link of all Certificates: <https://bit.ly/3OYg3lj>

Dashboard:



About Energy Literacy Training (ELT):

Energy Literacy Training (ELT) is one such program which has been proven to be effective in bringing awareness and encouraging people to take action. The ELT aims to provide energy literacy to 100 crore people, directly through online mode or through in-person training mode. The Foundation is also going to release certificates and maintain the data for all those who are energy certified.

Energy is the key driver of social and economic growth. Access to reliable energy has enabled communities and countries to grow technologically and economically faster than others who lack such access. But, current energy generation and supply systems are mainly

centralised and heavily dependent on fossil fuels. This results in dependency on energy imports, the financial burden on governments, loss of energy in transmission and distribution. Moreover, currently, 80-85% of the world's energy needs are being fulfilled with fossil energy, the main cause of global warming and climate change. Its impacts can be seen in the form of forest fires, floods, heatwaves, and cyclones with increasing intensity and frequency. Renewable energy technologies have evolved to become viable alternative options, but adaption is slow. In general, there is a lack of widespread awareness on energy supply issues, climate change issues, and the availability of alternative solutions. The Energy Literacy Training aims to educate the masses on an understanding of energy generation and consumption, and its impact on the environment in the context of self, state, and country. In wake of climate change, sustainable living, and sustainability of life. Energy Literacy training would enable individuals and institutions to make informed decisions on sources of energy to be used and appropriate amounts to be used.

Curriculum of the training: The training module consist of 12 modules followed by the Post- training Questionnaire. After the completion of the all modules and training, participants have received their certificate in their login. The details of module are as follows

Pre- training Questionnaire

Module 0: Guideline for training program

Module 1: Realising we use lot of energy

Module 2: Where does the energy come from?

Module 3: Understanding units of energy

Module 4: Quantifying energy use in simple terms

Module 5: How much is your carbon footprint

Module 6: Climate change has happened

Module 7: Energy as a problem and as a solution

Module 8: Avoid use of energy by 1/3rd

Module 9: Minimize the use of energy by 1/3rd

Module 10: Generate remaining 1/3rd energy locally

Module 11: Misconceptions about solar energy

Module 12: Pledge for action

Post- training Questionnaire

Understanding Units of Energy

Energy Literacy Mission
Module - 4

Monthly CO₂ Emission of a person

1 Litre Petrol = 3 kg of CO₂
10 Litre Petrol is about 30 kg of CO₂ equivalent

1 Unit Electricity = 1 kg of CO₂
200 Unit Electricity is about 200 kg of CO₂

1 kg LPG = 3 kg of CO₂
14 kg LPG is about 42 kg CO₂ equivalent

1 : 1 : 10 : 1000 thumb rule for installing solar system

1 : 1 : 10 : 1000

Electricity consumption : Rooftop area : Solar panel requirement : Cost requirement

Battery

GREEN HOUSE GASES

Carbon Dioxide,
Methane,
Nitrous oxide etc.

N2O
CO2
CH4

Unit of Energy

Energy = Power X Time

Energy = Power (Watt) X Time (Hour)

Watt x hour

Energy = Wh

After knowing that

- We use lot of energy
- We use about 85% Carbon based energy
- We are cause huge CO₂ emission
- Weather pattern has changed
- Soil, Air, Water are polluted
- Climate has changed
- We can use solar energy as solution
- We can reduce energy consumption significantly
- We can generate our own solar energy 100%

Its time to take PLEDGE FOR ACTION

Solar energy as viable solution

1. Cost-effective
2. All its components are easily available
3. Low maintenance
4. With battery storage, we can give away our electricity connection (no-life)
5. Can be installed on the rooftop of any building
6. Can be used independently even for a household

I pledge to switch to sustainable, clean energy

Sample Certificate:



Dr. N.M. Kanhe
Principal
PRINCIPAL
Bejo Institute of Technology
PILRUL WARDHA

List of Faculty Participation:

Sr. no	First name	Last name	Email
1	Dr Manish	Pasarkar	manish.pasarkar@bitwardha.ac.in
2	Urvashi	Pote	urvashi.pote@bitwardha.ac.in
3	Dr Rahul	Somalwar	rahul.somalwar@bitwardha.ac.in
4	Dr. Prathik	Kulkarni	prathik.kulkarni@bitwardha.ac.in
5	Shyam	Bhadade	shyam.bhadade@bitwardha.ac.in
6	Ajay Kumar a	Sahu	ajay.sahu@bitwardha.ac.in
7	Abhishek	Kinhekar	abhishek.kinhekar@bitwardha.ac.in
8	Partha Sarathi	Subudhi	parthasarathi.subudhi@bitwardha.ac.in
9	Amruta	Yadao	amruta.yadao@bitwardha.ac.in
10	Suraj	Vairagade	suraj.vairagade@bitwardha.ac.in
11	Vijay	Deshmukh	vijay.ghatanjkar@gmail.com
12	Aihtesham	Kazi	aihtesham.kazi@bitwardha.ac.in
13	Vivek	Bhusari	vivek.bhusari@bitwardha.ac.in
14	Deepak	Bhope	deepak.bhope@bitwardha.ac.in
15	Bhushan	Dharmik	bhushan.dharmik@bitwardha.ac.in
16	Santosh	Kumar	santosh.kumar@bitwardha.ac.in
17	Mandar	Gupte	mandar.gupte@bitwardha.ac.in
18	Abhijeet	Dehadrai	abhijeetdehadrai9@gmail.com
19	Kantilal	Joshi	kdjoshi22@gmail.com
20	Anirudha	Marothiya	anirudha.marothiya@bitwardha.ac.in
21	Vikas	Thakur	vikas.thakur@bitwardha.ac.in
22	Jayesh	Ruikar	jayeshruikar@gmail.com
23	Pankaj	Bhise	pankaj.bhise@bitwardha.ac.in
24	KIRTI	MADAN	kirti.madan@bitwardha.ac.in
25	Amit	Khandve	amit.khandve@bitwardha.ac.in
26	Pawan	Chandak	pawan.chandak@bitwardha.ac.in
27	SANTOSH	BOPCHE	santosh.bopche@bitwardha.ac.in
28	Kinjal	Patel	kinjal.patel@bitwardha.ac.in
29	Akshay	Saraf	akshay.saraf@bitwardha.ac.in
30	HARSHIT	DALVI	harshit.dalvi@bitwardha.ac.in
31	DR. ASHISH k	SHARMA	ash5000@rediffmail.com
32	Vikas	Gohil	vikas.gohil@bitwardha.ac.in
33	Nilesh	Ashtankar	nilesh.ashtankar@bitwardha.ac.in
34	Dipak	Mangrulkar	dipak.mangrulkar@bitwardha.ac.in
35	Amreen	Khan	amreen.khan@bitwardha.ac.in
36	SNEHAL	PACHPOR	snehal.pachpor@bitwardha.ac.in
37	Amol	Jumde	amol.jumde@bitwardha.ac.in
38	SWATI	KHANDARKAR	swati.Khandarkar@bitwardha.ac.in
39	Srinivaasan	G	srinivaasan3@gmail.com
40	L Navinkuumar	Rao	l.navinkumar.rao@bitwardha.ac.in
41	SHEETAL	KALE	sheetal.kale@bitwardha.ac.in

Shiksha Mandal's

Bajaj Institute of Technology

(Approved by AICTE, and affiliated to Dr. Babasaheb Ambedkar Technical University, Lonere)

Arvi Road, Pipri – Wardha - 442001

Post Box. No. 25, Phone / Fax (07152) 254770, 255770

Web Site: www.bitwardha.ac.in, Email : bit@bit.shikshamandal.org



“Women Health Issues and Ayurveda”



The National Service Scheme (NSS) unit of the institute had organized the Guest Lecture on 08th March 2023 in College campus on the Occasion of “International Women’s Day”. The event was begun with the welcome speech by the Principal, Dr. Narendra M. Kanhe. He addressed the volunteers and staff about the role of women in our society. He also advised the volunteers to think differently for the development, empowerment of the women in our society.

The session continued with an inspirational talk by Dr. Mayuri Deshpande, (Assistant Professor, MGACHR) on the topic of “Women’s Health Issues and Ayurveda”. While delivering the lecture, the guest speaker Dr. Mayuri Deshpande focused on prevention and treatment of various diseases in women. She also stressed on health awareness among the women during her speech. She also talked about various major health issues faced by women like PCOD, Anaemia, Obesity, post-menopausal syndrome, infertility and suggest some measures and treatments for the same. Women keep on neglecting their health, which results in more serious illnesses,” she said. She also pointed out the importance of being a strong woman in the society.

Photograph of the event:





 National Service Scheme
Shri Mata Jyoti Bai
Bajaj Institute of Technology, Wardha 


Expert Lecture
on


Women's Health Issues and Ayurveda

By
Dr. Mayuri Deshpande

**Date: 08th March
2023**

Time: 12.30 PM



 #NOTMEBUTYOU


Prof. Vikas Ravekar
NSS, Programme Officer
PROGRAMME OFFICER
National Service Scheme (NSS)
Bajaj Institute of Technology,
WARDHA



Shiksha Mandal's

Bajaj Institute of Technology, Wardha, Maharashtra, India

बजाज प्रौद्योगिकी संस्थान, वर्धा, महाराष्ट्र, भारत

Approved by All India Council for Technical Education (AICTE) India and Director of Technical Education (DTE), Maharashtra
Affiliated to Dr. Babasaheb Ambedkar Technological University (DBATU), Lonere, Raigad, Maharashtra

STRUCTURAL DESIGN REPORT

"FOOTBRIDGE: GIROLI DHAGE VILLAGE"

Wardha

APRIL, 2023

Jamnalal Bajaj Sewa Trust develop nearby villages. Department of Civil Engineering, Bajaj Institute of Technology, Wardha was entrusted the structural design of the footbridge at Giroli Dhage Village by the Trust.

Prepared by:

**DEPARTMENT OF CIVIL
ENGINEERING**

**BAJAJ INSTITUTE OF
TECHNOLOGY
WARDHA**

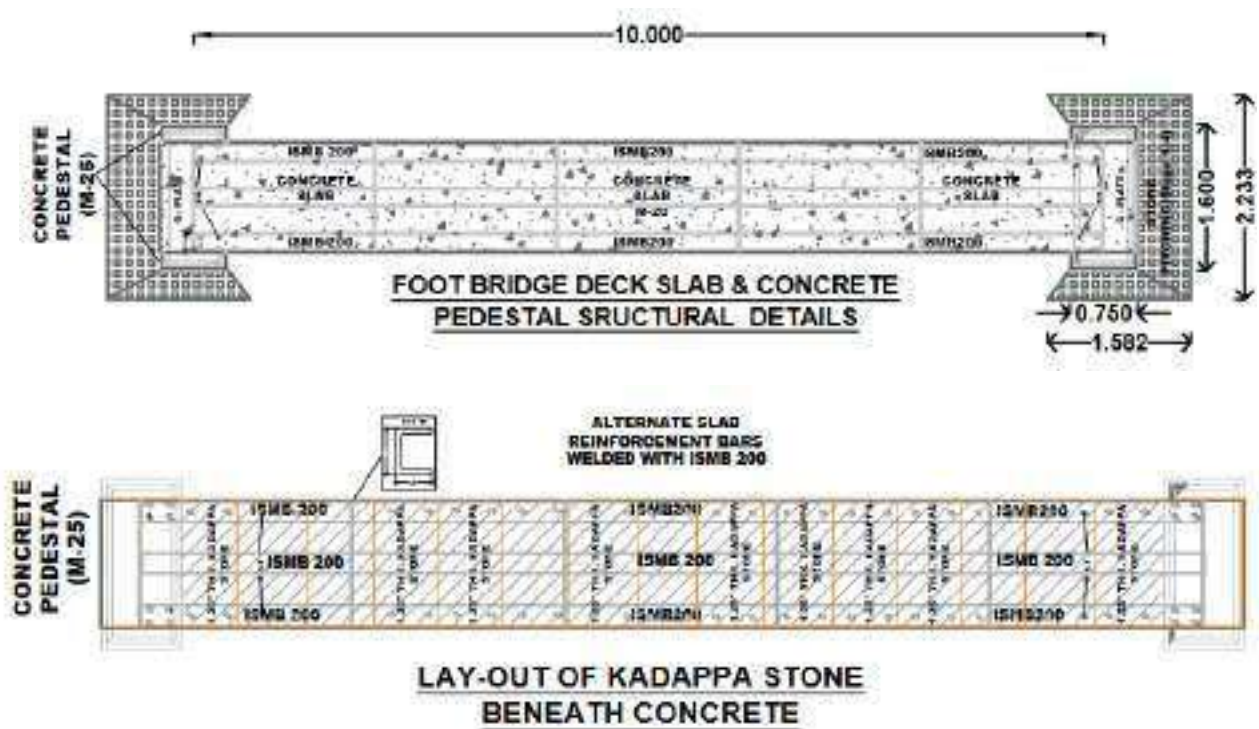
GENERAL INFORMATION AND OBSERVATIONS :

- 1. Name of Structure : **Foot bridge**
- 2. Address : **Giroli Dhage Village, Wardha district, Maharashtra.**
- 3. Date of visit : **1st April 2023**
- 4. Age of Structure : **Proposed**
- 5. Mode of use : **Pedestrian**
- 6. Level of Submersible : **Moderate**
- 7. Flood history : **Nil**

- 8. Date drawing submission : **5/04/23**

Department of Civil Engineering, Bajaj Institute of Technology, Wardha was entrusted the structural design of the footbridge to cross a brook at Giroli Dhage Village, Wardha district, Maharashtra, by Jamnalal Bajaj Sewa Trust.

The proposed span of bridge was 10m and width is 1.2m. The vehicles considered on bridge was foot walkers and bicycles. Following are the structural drawing and detailing for the footbridge.



Dr. V.M. Thakur
Dr. V.M. Thakur
 Faculty In-charge

Dr. S. M. Mahajan
Dr. S. M. Mahajan
 HOD-Civil Engineering
 HEAD
 Department of Civil Engineering
 Bajaj Institute of Technology, WARDHA

Dr. N.M. Kanhe
Dr. N.M. Kanhe
 Principal
 PRINCIPAL
 Bajaj Institute of Technology
 P.P.P.L, Wardha.

JAMNALAL BAJAJ SEWA TRUST (JBST)

(Regd. Office : BACCHARAJ ROAD, WARDHA, MAHARASHTRA)

JBST/2023-24/14

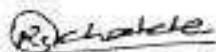
Date: 10/06/2023

Task Completion Certificate

Girolli Dhage put the proposal for the foot bridge over the nalla, in Jamnalal Bajaj Sewa Trust. JBST organized the committee to observation and making plan for Foot Bridge with the help of Bajaj institute of Technology. The plan is ready to make bridge. It will be executed coming days.

This is to certify that the above mentioned task given to the Department of civil Engineering, Bajaj Institute of Technology, Wardha is successfully completed.

Thanks!



Rajendra Kharche

(Team Leader)

Team Leader

Jamnalal Bajaj Sewa Trust

WARDHA



Shiksha Mandal's
Bajaj Institute of Technology
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Web Site: www.bitwardha.ac.in, Email:
bit@bit.shikshamandal.org

Expert lecture on Road Safety

The National Service Scheme (N.S.S) unit of Bajaj Institute of Technology, Wardha organized an Expert lecture on Road Safety on **11th May 2023** for making students aware of rules and regulations and the importance of Road Safety.

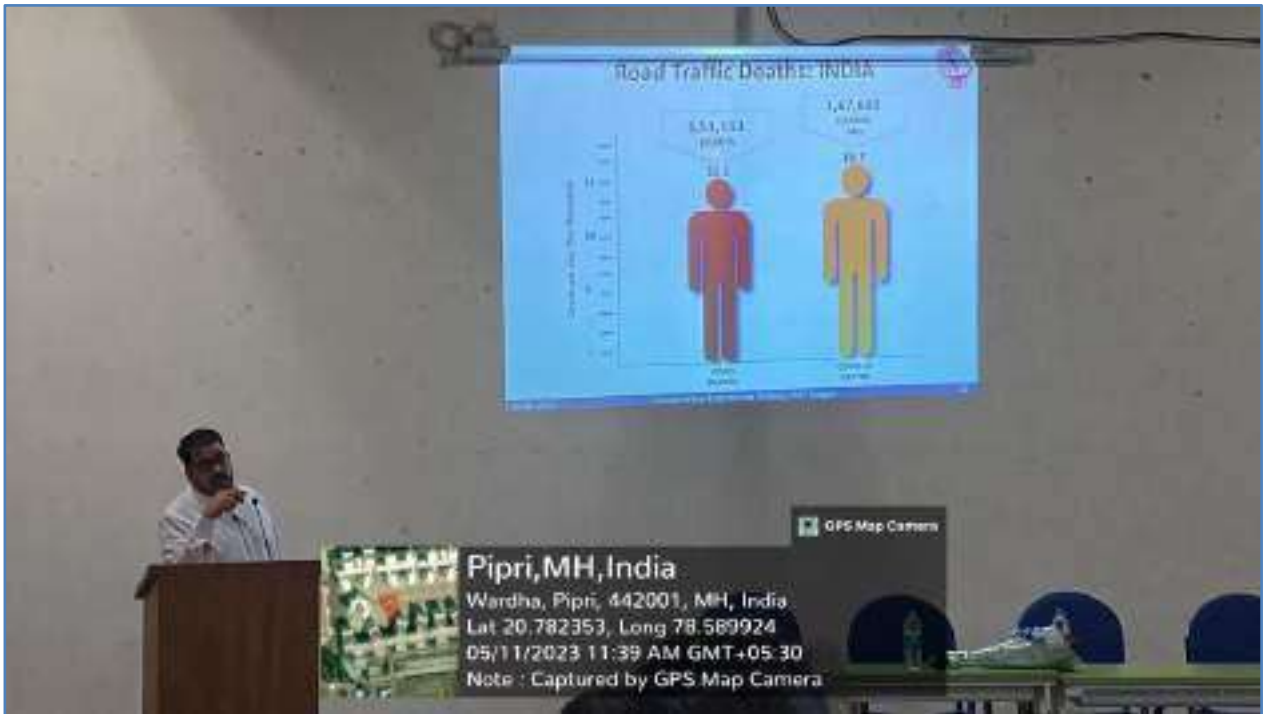
The Guest Speaker was Dr. Udit Jain, Assistant Professor, Department of Civil Engineering, VNIT, Nagpur. At the outset, Prof. V. P. Ravekar, N.S.S Programme Officer conducted the program with an inaugural speech. The Guest Speaker was welcomed at the hands of Dr. S. M. Mahajan, H.O.D. Civil engineering department and also offered with verbal welcome.

Approximately 110 Students participated in the expert talk. The Guest Speaker had well-explained road safety, their design criteria, and preventive measures that have to be taken in society. He also guided students in related rules and regulations of traffic. He also shared information related to his ongoing projects with the students which was related to road safety. An interactive and elaborative question-answer session was also carried out simultaneously. He appreciated the response from staff & students and also the arrangement made for the expert talk.

The program was conducted under the guidance of Principal, Dr. N. M. Kanhe, BIT, Wardha. Teaching & Non-Teaching Staff, NSS volunteers, and students attended the program.

Photographs of the activity:





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National Service Scheme (NSS)
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Report on

“Health Check Up Camp”

The National Service Scheme (NSS) unit of Bajaj Institute of Technology, Wardha organized the “Health Check Up Camp” for girl students and female staff on **08th June 2023**.

The camp aimed to promote health awareness among the participants and provide them with professional medical care. The camp was conducted in collaboration with the doctors from Mahatma Gandhi Ayurved College, Hospital & Research Centre (MGACHRC), Sawangi Meghe, Wardha.

The purpose of the Health Check-up Camp was to create awareness among the girl students about the significance of maintaining good health and encourage them to prioritize their well-being. Principal of Institute, delivered a keynote address, emphasizing the importance of health awareness in girls. The talks covered topics such as nutrition, mental health, hygiene and exercise, providing valuable insights and guidance to the participants.

The event witnessed the participation of a total of 120 girl students from various disciplines and academic years. The NSS unit meticulously organized the logistics and ensured a smooth execution of the camp. Dr. Deepika Chakole and her team from MGACHRC, Wardha volunteered their time and expertise to examine the participants. The doctors conducted a comprehensive health check-up included measurements of vital signs such as blood pressure, heart rate, height, weight and body mass index, respiratory check, PCOS/PCOD (Exclusively for Females). The doctors also conducted general physical examinations and addressed any specific health concerns raised by the students.

Photographs of the event:



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International Yoga Day

The National Service Scheme (NSS) unit of Bajaj Institute of Technology, Wardha celebrated **9th International Yoga Day** on **21st June 2023** with great enthusiasm. Principal Dr. Narendra M. Kanhe and other faculty members also participated in the Program. The event began with the welcome speech by the Principal, Dr. Narendra M. Kanhe. He addressed the students and staff about the importance of Yoga in human life. It helps the person understand how to maintain harmony between body and mind.

Ms. Harita Wandhare, Second Year Mechanical Engineering student who is a certified Yoga Instructor conducted yoga session and stated benefits of yoga. She demonstrated and trained students on various asanas like Bhramari Pranayam, Anulom Vilom, Tadasan, Vargsan, Surya Namaskar Dhanurasana, Ustrasana, Navasana, Shavasana. The session was conducted in Workshop, Bajaj Institute of Technology from 7:45 am to 8:45 am.

Total 76 NSS volunteers and teaching & non-teaching staff of the college participated in the same. The Staff and students learnt and appreciated the yoga session.

Photograph of the activity:




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Report on Health and Hygiene Drive

The Rotaract Club of Bajaj Institute of Technology organized a comprehensive "Health and Hygiene" campaign for the students of Daulatsingh Vidyalaya in Wardha on **29th June, 2023**. The primary aim of the initiative was to promote awareness about health and hygiene practices among school children, fostering a sense of well-being and instilling lifelong habits for a healthier future.

The campaign unfolded at the Daulatsingh Vidyalaya premises, with active participation from Rotaract Club members and enthusiastic students. The Rotaract Club organized interactive workshops covering topics such as handwashing, Nail Cutting, Hair Cut and the importance of a balanced diet. Practical demonstrations on proper handwashing techniques and nail-cutting care were carried out to make the learning experience more tangible for the students. The hands-on approach allowed the children to actively participate and practice the habits being taught.

This gesture aimed to empower the students with the tools and knowledge necessary to maintain personal hygiene practices. The Rotaract Club of Bajaj Institute of Technology's "Health and Hygiene" campaign at Daulatsingh Z.P. School was a commendable initiative, successfully contributing to the well-being of the students. By combining education with practical demonstrations and interactive activities, the campaign not only imparted crucial knowledge but also inspired positive behavioral changes.




Dr. N.M. Kanhe
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River Cleaning Drive

The River Cleaning Drive was conducted on the occasion of World Environment Day by the National Service Scheme (NSS) unit and Energy and Environment Cell of Bajaj Institute of Technology (BIT), Wardha. The event was held on **5th June 2023**, from 7:30 AM to 10:00 AM, and active participation was seen from students, faculty members, and the respected Principal of the institute Dr. N. M. Kanhe.

The primary objective of the River Cleaning Drive was to raise awareness about environmental conservation with a specific focus on the importance of preserving our rivers, thereby promoting a sustainable environment. The event was initiated with a briefing session conducted by Principal sir. Insights were provided regarding the significance of World Environment Day, the importance of river conservation, and the specific tasks that were to be carried out during the drive.

A total of 45 enthusiastic volunteers and students from various departments of BIT actively took part in the drive. Their dedication and commitment to environmental preservation were commendable. Additionally, esteemed faculty members and the Principal of BIT actively supported and guided the participants throughout the event.

The participants were equipped with necessary cleaning tools such as gloves, bags, nets. They worked together in teams, targeting different sections along the riverbank. The focus was on collecting and properly disposing of waste materials, including plastic waste, bottles, wrappers, and other non-biodegradable items.

Photographs of the event:



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BIT holds 'Clean Dham River' drive

District Correspondent
WARDHA, June 5

NATIONAL Social Service (NSS) unit of Bajaj Institute of Technology (BIT) conducted 'Clean Dham River' activity on the occasion of World Environment Day on Monday.

NSS volunteers and other students gathered early in the morning at Dham river, Pavnar, along with faculty members and non-teaching staffs and collected plastic bottles, polythenes and other waste materials floating in the Dham river. Around 20 bags of waste material was collected.

It may be noted that all the waste collected will be disposed by the municipality.

BIT students have also formed an 'Energy and Environment Cell' which works for the cause of reducing environmental pollution and creating awareness among people for protecting the environment. Later, a 'plastic free and clean campus' drive was also conducted by students and faculty members of the Institute.

Vikas Ravekar Asst Prof in Civil Engg and NSS Programme Officer organised the activities. Asst Professors Abhishek Kinbekar, Mandar Gupta, Dr Vikas Thakur, Dr Nikhil Soboni, Ram Wansare, Drvashi Pote, Kinjal Patel and Admin Officer Parag Kombe provided valuable support.

Dr Narendra Kanhe, Principal of BIT was also present at Dham river Pavnar. He motivated the students and asked them to work for the cause of conservation of natural resources, reducing environmental pollution and avoiding use of polythenes and plastics. Sanjay Bhargava, Chairman of Shiksha Mandal, appreciated the concern and initiative of the students and faculty members.



Students and faculty members during Clean Dham River drive.



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Preserve Planet Earth Programme

On the occasion of World Environment Day **05th June 2023**, an insightful and engaging environment awareness session titled "Preserve Planet Earth" was conducted at Daulatsingh Vidyalay, Pipri, Wardha. The session was organized by Rotaract Club of Bajaj Institute of Technology, Wardha. The event aimed to educate and inspire students to take positive actions towards environmental conservation.

Prof. Vikas Ravekar delivered an expert session on environmental awareness. He provided an overview of the current environmental challenges, including climate change, deforestation, pollution, and loss of biodiversity. He highlighted the interconnectedness of these issues and their impact on ecosystems and human well-being. The session focused on empowering students to understand their role in environmental conservation. Prof. Ravekar discussed simple yet impactful actions that individuals can take in their daily lives to reduce their ecological footprint and contribute to a sustainable future. The significance of biodiversity in maintaining ecological balance was elucidated. Prof. Ravekar emphasized the need to protect and preserve diverse plant and animal species for the overall health of the planet.

The session not only raised awareness about pressing environmental issues but also inspired students to become active contributors to the cause of conservation. Such initiatives play a crucial role in fostering a sense of responsibility and environmental stewardship among the youth.




Dr. M. M. Kharde
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PRINCIPAL
Rotaract Club of Bajaj Institute of Technology
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Preserve Planet Earth Programme

On **April 22nd, 2022**, Rotaract Club of Bajaj Institute of Technology conducted event as part of its "Preserve Planet Earth Programme" at ShriKrishnadas Jajoo Gramin Seva Mahavidyalaya featuring an expert lecture by, Dr. Narendra Kanhe, Principal Bajaj Institute of Technology, Wardha. The event aimed to raise awareness about environmental conservation and sustainable practices, aligning with the global efforts to address climate change and protect the planet.

This was a thought- provoking lecture on the current state of the environment, emphasizing the urgent need for collective action to address pressing environmental challenges. His presentation covered a wide range of topics, including climate change, deforestation, pollution, and the importance of biodiversity conservation. Dr. Kanhe provided a comprehensive overview of climate change, explaining its causes and highlighting the adverse effects it has on ecosystems, weather patterns, and global temperatures. He stressed the importance of mitigating greenhouse gas emissions to curb climate change. He also delved into sustainable practices that individuals, communities, and industries can adopt to minimize their environmental footprint. He discussed the significance of renewable energy, waste reduction, and responsible consumption in building a sustainable future. Around 55 students, and staff of ShriKrishnadas Jajoo Gramin Seva Mahavidyalaya attended the program. Rotaractors of Bajaj Institute of Technology administered the oath to the participants for contemplating the steps to “Preserve Plant Earth” on this occasion.




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Health and Hygiene Drive

The Rotaract Club of Bajaj Institute of Technology organized a comprehensive "Health and Hygiene" campaign for the students of Shrikrishnadas Jajoo Gramin Seva Mahavidyalay in Wardha on **29th June, 2023**. The primary aim of the initiative was to promote awareness about health and hygiene practices among school children, fostering a sense of well-being and instilling lifelong habits for a healthier future.

The campaign unfolded at the Shrikrishnadas Jajoo Gramin Seva Mahavidyalay premises, with active participation from Rotaract Club members and enthusiastic students. The Rotaract Club organized interactive workshops covering topics such as handwashing, Nail Cutting and the importance of a balanced diet. Practical demonstrations on proper handwashing techniques and nail-cutting care were carried out to make the learning experience more tangible for the students. The hands-on approach allowed the children to actively participate and practice the habits being taught.

This gesture aimed to empower the students with the tools and knowledge necessary to maintain personal hygiene practices. The Rotaract Club of Bajaj Institute of Technology's "Health and Hygiene" campaign at Shrikrishnadas Jajoo Gramin Seva Mahavidyalay was a commendable initiative, successfully contributing to the well-being of the students. By combining education with practical demonstrations and interactive activities, the campaign not only imparted crucial knowledge but also inspired positive behavioral changes.




Dr. N.M. Kanhe
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