

	Akhil Bharatiya Maratha Shikshan Parishad's Anantrao Pawar College of Engineering & Research		
	Record No.: ACA/D/021 Revision: 00	DoI: 02/01/2023	
EVENT REPORT			

- **Name of Workshop:** National Level 4 Days Offline Civil Engineering Hands On Training **GROW TOGETHER** Workshop.
- **Topic :** 4 days Civil Engineering Hands On Training Workshop.
- **Organizers:** Anantrao Pawar College Of Engineering And Research Pune ,Association with Joint Services Innovations & Indigenization Centre Pune(JSIIC) Ministry Of Defence, Startup Research Of Operational Technology (SROT),Indian Concrete Institute(ICI)Pune Centre, Technical Support by J Kumar Infraprojects Ltd.Pune, Maharashtra State Board of Technical Education (MSBTE).
- **Date of Event:** 10/04/2023 to 13/04/23
- **Time of event:** 9.00A.M. -6.00P.M.
- **Participants:** Diploma and Degree Civil Engineering students,11th&12th Civil Vocational subject Students , Faculty members,RMC plant Technicians
- **Name of Event Coordinator:** Asst.Prof.Neha S.Deshmukh
- **Target Audience with count:** Participants from Pune region, Mumbai,Satara Sangli,Kolhapur,Nashik,Solapur,Pandhrpur,Amaravti,Nagpur,Akola,Kokan,Pen,Ratnagiri, Chatrapati Sambhaji Nagar,Daund etc. all over the Maharashtra came for the workshop.

Sr. No.	No.of Days	4 Days Total Duration Of workshop Daily: 9 hrs.	No. of Participants (Students & Faculty)
1.	4	36 Hours	366

- **Main Objective of the Workshop:** To fill the gap between academic and Industrial needs. Bridging industry-academia gap plays a very important role in this whole scenario where students, universities, organizations and government need to energize and work together to make it happen.
- **About Workshop:**Civil engineering is being transformed from theory-heavy to practice-oriented program, which needs a constructivelaboratory infrastructure, onsite application knowledge helping students carry out various Civil industry work.Practical knowledge is essential for Civil Engineers to become successful in their careers. It provides them with hands-on experience, helps improve their problem-solving skills,Better Understanding of Material Properties, Improved Technical Skills and enhances their understanding of industry regulations,among other benefits. It is necessary that the civil engineer is able to step up to the task and manage a diverse team of professionals. Civil engineers also need to evaluate the work of others and ensure their work follow applicable laws,regulations, and standards Practical training for engineering students helps them improve their

	Akhil Bharatiya Maratha Shikshan Parishad's Anantrao Pawar College of Engineering & Research		
	Record No.: ACA/D/021 Revision: 00	DoI: 02/01/2023	
EVENT REPORT			

technical skills, but it also helps them to improve their communication skills and soft skills. Furthermore, these workshop assist students in learning how to collaborate with others, assisting them in improving their leadership abilities.

- **Outline of the workshop:** In 4 days of offline workshop daily 3 civil engineering activities were planned. The training were given by industrial person who are specialized experts with enormous experience in their filed. Firstly trainer were gave the demonstration with all the requirements on actual site and then participants were asked to performed the activity under the guidance of the trainer. Participants experienced and navigate real work challenges , gained conceptual insight as well as practical expertise. The doubts of all participants were answered by Experts. Also ,exhibition of all Startups products Civil Industry machineries, New Construction Equipments, Related Products, Admixtures, materials. So students were get to know emerging technologies ,motivate for innovation and start-ups products.
- **Brief Description of workshop:**

National Level 4 Days Offline Civil Engineering Hands on Training Workshop “GROW TOGETHER” is Oragnized by Anantrao Pawar College Of Engineering And Research Pune , Association with Joint Services Innovations & Indigenization Centre Pune (JSIIC) Ministry Of Defence, Startup Research Of Operational Technology (SROT), Indian Concrete Institute(ICI)Pune Centre, Technical Support by J Kumar Infraprojects Ltd.Pune, Organizes by Maharashtra State Board of Technical Education (MSBTE) for Diploma and Degree Civil Engineering students, 11th & 12th Civil Vocational subject Students ,faculty members, RMC plant Technicians on **10th April (Monday) -13 April 2023(Thursday)** at Anantrao Pawar College Of Engineering And Research Pune.

Academia gap is emerging because there is something lacking which is also addressed in **National Educational Policy 2020 :Industry and Institute Linkage**. Let's **Colleges and Industry** should **GROW TOGETHER**, as per today's need for our Nation. Practical knowledge is crucial in the field of Civil Engineering This workshop is beneficial for all civil engineers as they practically **Live the CIVIL ENGINEER'S LIFE**. We are trying to bridge the gap between institutional education and project-site skill requirements. An instructors with industry experience can motivate students, enable them to relate what was learned in the class with the real world and allow them to start developing their own engineering judgment, which is essential for the successful practice of civil engineering.

	Akhil Bharatiya Maratha Shikshan Parishad's Anantrao Pawar College of Engineering & Research		
	Record No.: ACA/D/021 Revision: 00	DoI: 02/01/2023	
EVENT REPORT			

- The day wise workshop detailing is given below:

➤ Day 1: Monday 10/04/2023

▪ Inauguration Ceremony

The Inauguration Ceremony Of Grow Together workshop was held on **10th April 2023**. On this day the ceremony was graced by Chief Guest Hon.Air Commodore Rajendra Gaekwad Sir,Veteran Fighter Pilot Of the Indian Air Force,Special Guest Hon.Lieutenant colonel Anoop Mishra Sir,Vishist Seva Medal Officer,Special Guest Hon.Er.Yusuf Inamdar Sir ,Director of Joint Services Innovations & Indigenization Centre Pune(JSIIC) Ministry Of Defence ,Startup Research Of Operational Technology(SROT) ,Chairperson of the ceremony ,Hon.Shri. Dhairyashil Vandekar Sir , College Development Committee Member, APCOER, Pune. The welcome speech and workshop briefing was given by Asst.Prof.Neha S.Deshmukh, Workshop Coordinator,Civil Engineering Department.Dr.Sunil Thakare Sir,Principal APCOER Pune, addressed the gathering and motivate all participants for active participation for this workshop. Chief Guest Hon.Air Commodore Rajendra Gaikwad Sir, Special Guest Hon.Lieutenant colonel Anoop Mishra Sir,Special Guest Hon.Er.Yusuf Inmadar Sir guide the gathering by their golden stimulating words. All dignitaries addressed the importance of new emerging technologies, innovations,skills,achievement of Sustainable goals required for the development of the nation. Research is one of the Nation's very gratest resourse and the role of the education sector is to support and stimulate it needs .Science ,education,research,innovations are the four pillars on which the development as well as the work culture of a nation rests.Scientific temperament can not happen unless we improve the delivery of education at all levels.The Chairperson Hon.Shri. Dhairyashil Vandekar Sir guided the participants regarding the need of start-ups,innovations,skill development with moral ethics and environmental sustainability. After that vote of thanks was given by Asst.Prof.Neha Deshmukh.On this occasion Hon.Pramilatai Gaikwad Madam,General Secretary,ABMS Parishad congratulated and gave her best wishes to all for arranging this workshop.



**Akhil Bharatiya Maratha Shikshan Parishad's
Anantrao Pawar College of Engineering & Research**



**Record No.: ACA/D/021
Revision: 00**

DoI: 02/01/2023

EVENT REPORT



Guard of Honour and Salutation to Hon.Guests by NCC Cadets



Hon Air Commodore Rajendra Gaekwad Sir



Hon.Lieutenant colonel Anoop Mishra



Hon.Er.Yusuf Inamdar Sir Hon.Shri. Dhairyashil Vandekar Sir Hon.Dr.Sunil Thakare Sir Principal



**Akhil Bharatiya Maratha Shikshan Parishad's
Anantrao Pawar College of Engineering & Research**

**Record No.: ACA/D/021
Revision: 00**

DoI: 02/01/2023



EVENT REPORT



Felicitation Of Hon.Guests



Inaugration of Grow Together Workshop :Ribbon Cutting Ceremony



**Akhil Bharatiya Maratha Shikshan Parishad's
Anantrao Pawar College of Engineering & Research**



**Record No.: ACA/D/021
Revision: 00**

DoI: 02/01/2023

EVENT REPORT



Guests and dignitaries reviewing Tunnel Boaring Machine ,Startups Products,Prayas Shala Robotics Machine demostartion.

After the inauguration ceremony activity scheduled on 10/04/23 was started. On the first day township layout, how to mark centre line, Centerline layout in field, Gunia Boarder, Column Line Marking, Foundation Marking training was given by Er. Vineet Joshi and Team. Surveying, Auto-level, Land levelling, Profile levelling, Contour mapping, Inverted levelling staff, Total station training given by Er. Sunil Shinde (Senior Surveyor), Er. Navnath Koble (Senior Surveyor). Various types of surveys to be conducted for town planning project. Data's to be collected in different types of town planning survey. How the town planning surveys are useful for a town planner was nicely demostated in this session. Bar bending schedule (BBS) manual, Bar Bending Schedule of Footing, Column, Stirrup, Beam, One way & Two way Slab, Circular Slab, Staircase, Chajja, Drain line, Pile, Pile Cap Steel, Stirrups Reinforcement detailing training was given by Er. Mayur Patil (Steel BBS Engg), Er. Geet Sail (Steel BBS Engg). In this session, how to prepare the standard formats of Bar Bending Schedule, How to prepare the standard formats of Bar Bending Schedule, Learning of why Roundup Formula Required to calculate the Total number of Bars in BBS, How to Prepare Bar Bending Schedule manually for Box Footing, How to Prepare BBS manually for Column above Plinth Level. How to Prepare Bar Bending Schedule manually for Lintel Chajja & Sill, floor beam, slab, staircase detailed were given in this session.



**Akhil Bharatiya Maratha Shikshan Parishad's
Anantrao Pawar College of Engineering & Research**

**Record No.: ACA/D/021
Revision: 00**

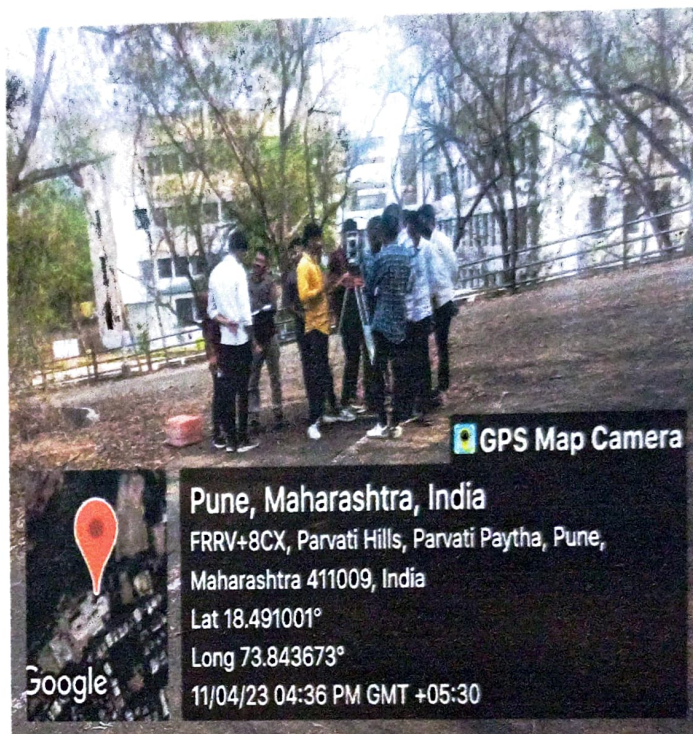
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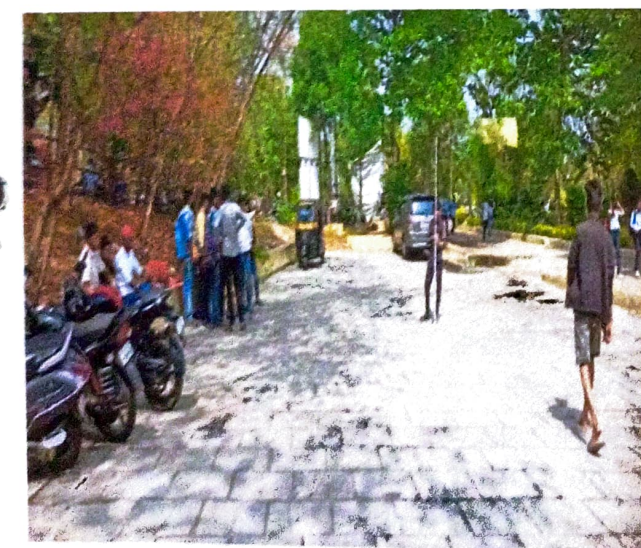
EVENT REPORT



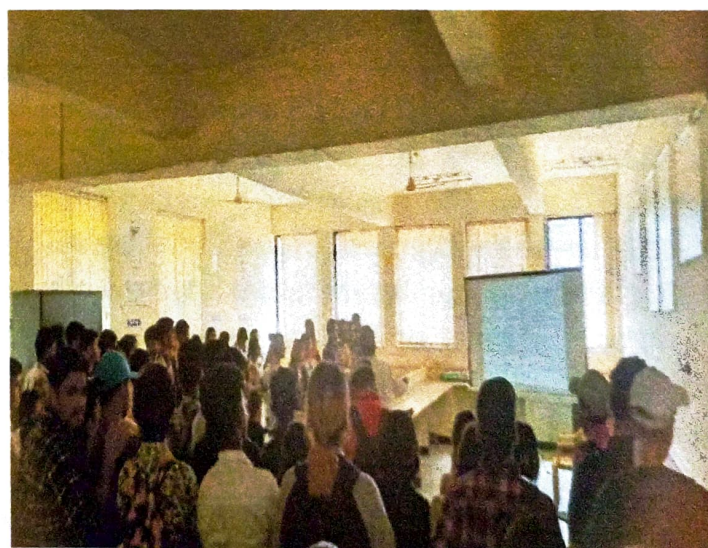
Township Layout



Surveying Total Station on hilly region



Surveying



Bar Bending Schedule

	Akhil Bharatiya Maratha Shikshan Parishad's Anantrao Pawar College of Engineering & Research		
	Record No.: ACA/D/021 Revision: 00	DoI: 02/01/2023	
EVENT REPORT			

➤ **Day 2: Tuesday 11/04/2023**

On the second day ,Demo Training & Cementous Material Presentation was given by Er.Rushi Parate (QA/QC Engg), Er.Anjali (Penna Cement).All doubts of participants regarding cementous material were cleared by the trainer with live practical examples. The following properties have been studied: tensile strength, elastic modulus, permeability and water absorption. In addition, the chloride diffusion coefficient of concrete specimens has been studied in order to give an indication of the transport properties and utilization of the specimens. The types of cement such as Non-hydraulic cement **which** doesn't set in wet conditions or underwater. Instead, it sets because it dries and reacts with Carbon dioxide in the air. It is resistant to attack by chemicals once set and other type is Hydraulic cement (e.g., Portland cement) which sets and becomes adhesive because of a reaction between the dry ingredients and water. The reaction ends up in mineral hydrates that aren't terribly soluble and then are quite sturdy in water and safe from chemical attack. This permit setting in wet conditions or underwater and protects the hardened material from chemical attack. The chemical action for Portland cement found by ancient Romans used volcanic ash (pozzolana) with supplemental lime (calcium oxide).The cement bag packaging,weight,storage all cement related indepth knowledge and demonstration were given to the participants.

The second activity was arranged is Gradation,Combine Gradation,Silt content,Finess temperature, admixtures,specific gravity,density, Aggregate Gradation and its Classification was taken by Er.Rushi Parate (QA/QC Engg), Er.Sushant More (Penna Cement), Er.Abhishek Sharma (JSW) . The purpose of concrete trial mixes is to enable to check the strength, workability, density and other properties of concrete mixes. Trial mixes are often undertaken when new materials or admixtures are to be used. These Mix Design Calculations were in detailed taught by the expert as per the requirement on the site work.All the students performed mix design calculations with different grades of concrete,admixtures ratio.The Cube Casting Of M30,M40.M50,M60,M70 grade cube were casted by the participants.Trail Mix Tests was taken by Er.Rushi Parate (QA/QC Engg), Er.Sushant More (Penna Cement), Er.Abhishek Sharma (JSW) .The participants were performed each activity starting from material collection from site until the cement cube casting under the guidance of trail mix experts team.



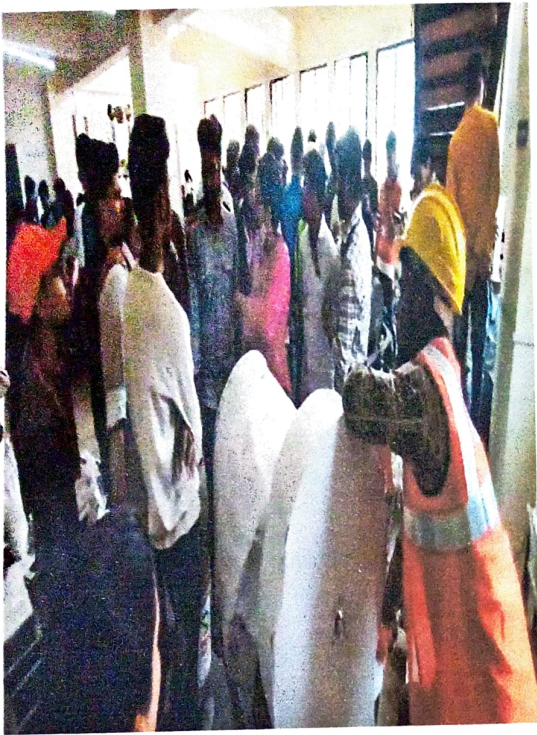
**Akhil Bharatiya Maratha Shikshan Parishad's
Anantrao Pawar College of Engineering & Research**

**Record No.: ACA/D/021
Revision: 00**

DoI: 02/01/2023



EVENT REPORT



Demo Training Of Cementeos Material



Gradation Calculation



Gradation



Material collection from given site



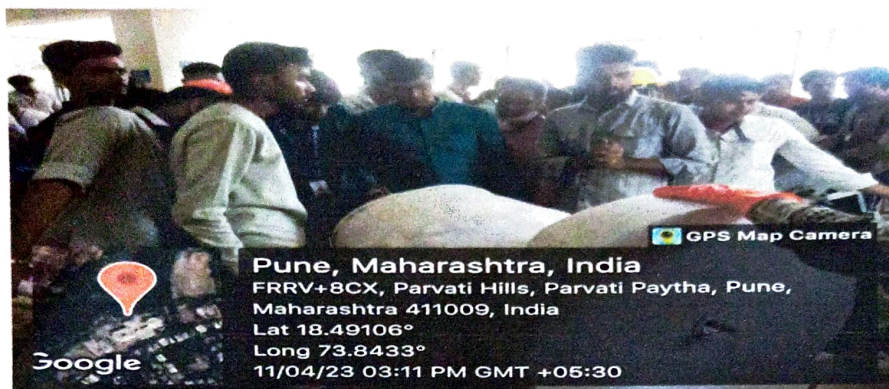
**Akhil Bharatiya Maratha Shikshan Parishad's
Anantrao Pawar College of Engineering & Research**



**Record No.: ACA/D/021
Revision: 00**

DoI: 02/01/2023

EVENT REPORT



Concrete Mix Trials

➤ Day 3: Wednesday 12/04/2023

On the third day, Types of shuttering such as Traditional Timber Shuttering- This is one of the earliest kinds of formwork., Engineered Formwork System- This is also a popular kind of formwork used in construction projects, Reusable plastic formwork, Steel Formwork, Plastic formwork Shuttering, shuttering material, shuttering ply size, types of Painting such as Oil Paint. Oil paints use white lead as a base, and are applied in three coats: primer, undercoat and finish coat, Enamel Paint. This type of paint is produced by adding lead or zinc to varnish, Emulsion Paint, Cement Paint, Bituminous Paint., Aluminium Paint., Anti-Corrosive Paint, Synthetic Rubber Paint, water-based, organic, inorganic, and adhesive paints. 3-coat paint system consists of a primary coat, an intermediate coat, and a top coat of a color or finish typically specified by the end user., Interior , exterior paint applications, uses. To ensure that moisture is controlled at the beginning of construction, significant waterproofing measures are typically employed. To address issues as they develop, waterproofing can even be done after a building has been constructed. **The 4 Steps for Waterproofing Pools** Smooth the Substrate, Clean the Substrate, Apply the Waterproofing Membrane, Test for Leaks. Types and its usage of waterproofing such as Polyurethane which is considered as one of the best waterproofing materials. It can be applied seamlessly and penetrates the surface deeply and evenly. Thus, the polyurethane membrane will fill in even the finest cracks in concrete, reducing its water absorbency capacity. The 2 coats of Waterproofing, its chemicals, quantity required , olamba-plumb bob, Mason'n line, Brickwork layout, line dori, Wall construction, plastering was extensively covered by Er.Vinit Joshi & Team (Civil engg.Buisness). as , Plumbing , pipes, valves, plumbing fixtures, drainage system, hanging drainage system , solutions of leakages in residential, commercial buildings, stp storage tanks these all parameters were thoroughly conveyed by expert Er.Surykant Swami(Civil



**Akhil Bharatiya Maratha Shikshan Parishad's
Anantrao Pawar College of Engineering & Research**



**Record No.: ACA/D/021
Revision: 00**

DoI: 02/01/2023

EVENT REPORT

engg.Buisness) .Also bar cutting and bar bending were demonstrated by Er.Vinit Joshi sir and actively performed by the participants .



Layout, line dori,Tube Level



Painting & waterproofing



Shuttering



Brickwork layout,Wall Construction,Plastering



**Akhil Bharatiya Maratha Shikshan Parishad's
Anantrao Pawar College of Engineering & Research**

**Record No.: ACA/D/021
Revision: 00**

DoI: 02/01/2023



EVENT REPORT



Drainage systems,solutions for the leakages



Plumbing



Bar Cutting & Bending

➤ Day 4:Thursday 13/04/23

- On the fourth last day of workshop,Cube Testing was taken by Er.Manjunath Akkennawar (JSW), Er. Abhishek Sharma (JSW).The compressive strength of concrete depends on many factors such as water-cement ratio, cement strength,quality of concrete material, quality control duringthe



**Akhil Bharatiya Maratha Shikshan Parishad's
Anantrao Pawar College of Engineering & Research**



**Record No.: ACA/D/021
Revision: 00**

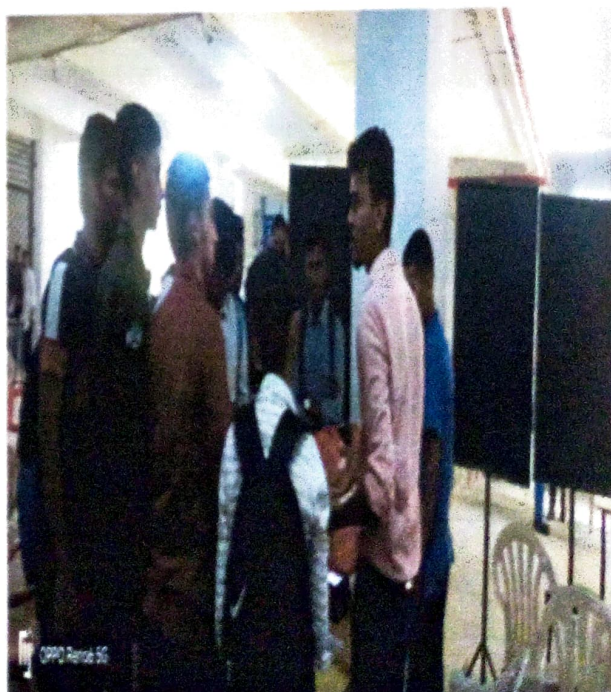
DoI: 02/01/2023

EVENT REPORT

production of concrete, the procedure of standard size cube molding, demoulding, curing, testing procedure precautions of compressive testing were covered in this. The students tested 3 days cube tests which they have casted on the second day of workshop. Quantity Survey & Estimation, Item-wise Details of building materials. Rate Analysis (According to current Market rates as per Indian standard) was given by Er. Mayur Pati (Steel BBS Engg). Structural Drawing Reading, Quantity Of required steel and concrete Calculation was taken. Learn how to interpret and read structural layouts, Learn how to interpret and read reinforcement details for all structural elements, How to prepare bar bending schedule from structural detail. A complete building structural drawing will be used as case study. Learn how to check and correction structural drawing on site. Learn how to synchronize the architectural design with the structural design taken by Er. Geet Sail (Steel BBS Engg). Concrete scanning used to detect embedded utilities, rebar and structural elements embedded in concrete before cutting, coring or drilling a structure, bar spacings, stirrups spacing, diameter of bar with the help of ground penetrating radar technology. This details displayed on the concrete scanning HILTI PS 1000 X scan machine were taught by Er. Swapnil Sutar.



Structural Drawing Reading



Concrete Scanning



**Akhil Bharatiya Maratha Shikshan Parishad's
Anantrao Pawar College of Engineering & Research**

**Record No.: ACA/D/021
Revision: 00**

DoI: 02/01/2023



EVENT REPORT

▪ Valedictory function

On the last day after the completion of planned activities **Valedictory function** was organized. The participants were awarded by certificate of Appreciation for successfully completing the Grow Together workshop by Hon. Er. Yusuf Inamdar Sir, Director of Joint Services Innovations & Indigenization Centre Pune (JSIIC) Ministry Of Defence, Startup Research Of Operational Technology (SROT) Dr. Sunil Thakare Sir, Principal APCOER Pune, Dr. Abhay Shelar Head Civil Engineering Department. All expressed their feedback, learnings, gained experience from this workshop. All trainers also share their valuable feedback about this workshop. After that vote of thanks was given by Asst. Prof. Neha Deshmukh. On this occasion Hon. Pramilita Gaikwad Madam, General Secretary, ABMS Parishad congratulate all for arranging this workshop.

Date	Activities	Name of trainer
10.04.23	Township Layout	Er. Vineet Joshi & Team (Civil engg. Buisness)
	Surveying	Sunil Shinde (Senior Surveyor), Navnath Koble (Senior Surveyor)
	Bar Bending Shedule	Er. Mayur Patil (Steel BBS Engg), Er. Geet Sail (Steel BBS Engg)
11.04.23	Demo Training & Cementous material presentation	Er. Rushi Parate (QA/QC Engg), Er. Anjali (Penna Cement)
	Gradation	Er. Rushi Parate (QA/QC Engg), Er. Sushant More (Penna Cement), Er. Abhishek Sharma (JSW)
	Mix Design Calculation	Er. Rushi Parate (QA/QC Engg), Er. Sushant More (Penna Cement), Er. Abhishek Sharma (JSW)
12.04.23	Waterproofing, Shuttering, Line dori, Tube Level Brickwork, Layout Wall Construction, Plastering Painting,	Er. Vinit Joshi & Team (Civil engg. Buisness)
	Plumbing, pipes, valves, plumbing fixtures, drainage apparatus system, hanging drainages system	Er. Surykant Swami (Civil engg. Buisness)
13.04.23	Cube Testing	Er. Manjunath Akkennawar (JSW), Er. Abhishek Sharma (JSW)
	Quality Survey & Estimation	Er. Mayur Pati (Steel BBS Engg)



**Akhil Bharatiya Maratha Shikshan Parishad's
Anantrao Pawar College of Engineering & Research**



**Record No.: ACA/D/021
Revision: 00**

DoI: 02/01/2023

EVENT REPORT

Structural Drawing Reading

Er.Geet Sail (Steel BBS Engg)

Concrete scanning,

Er.Swapnil Sutar

Exhibition of Startup products: All 4 days of workshop.

Company name & Product name

J.kumar Infra Projects

Cementless Concrete, Green CO2 Concrete, CO2 Concrete, Dry-Premix, Chattan, Faulad, Wajra, Magnetron, HHO Machine, Oxygen + Hydrogen Machine

3D Incise Engineering Services

solar dryer, smart stick and stun baton, animal repellent, solar stills, solar concentrator

Nirvico Solutions

Sanitation Decomposer

Indo Spark Construction Services

Wedge anchors, chemical anchor Bolts, Chemical Glass Capsules, Injectable Chemical mortars, nylon anchors, Drop in Anchors etc.

Bhumitra Farms Care Services

Organic Mannure

Boxer Chemicals

Spotless, Nano-PreTreat, Ferro-Shield

Saaz Minerals

Less Curing Concrete

Saaz Tech Solutions

Cementitious Material Concrete

Amalgam biotech

BactaServe STP, BactaServe Septic activator, bactaserve composting

Infinity Solutions

Agni rodhak

Lotus Solutions

Soil Conditioner

Molecular Technology

Diesel Additive

Nuclear Products

Coolant

WotSoft Technologies

Waste Water Treatment, Wet Waste Garbage Treatment

HASBER

India's First Patented Mobile Concrete Plant



Akhil Bharatiya Maratha Shikshan Parishad's
Anantrao Pawar College of Engineering & Research

Record No.: ACA/D/021
Revision: 00

DoI: 02/01/2023



EVENT REPORT

About Startup Products and Machineryes :

1. Tunnel Boaring Machine working Model: The best alternative for drilling and blasting process is TBM. Fully automatic TBM machine used to remove hard rock starts, rocks smoothly in less time and expenditure. It helps to do microtunneling work without damaging the property by vibrations. In this exhibition, demonstration of working of TBM Machine was given on TBM Working model.

2. India's First Patented Mobile Concrete Plant HASBER: The **HASBER C-30** is India's first patented truck-mounted mobile concrete plant having capacity to produce freshly mix concrete on site. HASBER Machine is patented, 100% Indian make, fully automatic, new edge of advance concrete manufacturing machine which is specially designed for Indian construction industry. HASBER Machine brings a new revolution in construction industry to supply FRESH MIX CONCRETE on site as per clients MIX design with cost-effective and transparent way. Fresh concrete made onsite in front of you with your customized requirements Controlled water-cement (w/c) ratio, Eliminates huge cost of infrastructure Controlled on mix design with flexibility of different grades, Transparent mixing process with material choice, Easy to use, Hassel-free, Reduces waste and associated costs by providing exact quantities. HABER Company wants to add value to construction industry to promote FRESH CONCRETE ON SITE practice with more economical, fair and transparent way. Uses of this machine is Compact size, Excellent fresh concrete mix with great quality Patented machine RTO approved, Cost saving Environment-friendly Zero wastage, Flexibility of different concrete grades at a time.

3. Agnirodhak Infinity Solutions : This product minimizes dangerous smoke and fumes, Helps to prevent flashovers. The coated area does not catch a fire. Its area of application are industrial area, shopping centres High rise building, Airport, Railway Stations, Electric Installation.

4. Different advance technology types of Concrete: **Green CO2 Concrete** in this CO2 from atmosphere and compress into liquid form. The compressed liquid CO2 infuses into concrete mix. This method helps to reduce CO2 concentration in atmosphere. Increase in concrete strength was observed as well. **Less Curing Concrete, Cementless Concrete** Required very less water for curing Without Coarse And Fine Aggregates Reduces Carbon Dioxide In Concrete Reduces Global Warming, Thermal Insulative, Fire Proof. **Anti-Corrosion Concrete** Liquid admixtures are used for Corrosion protection and for Reinforcing steel which is used in concrete. The uni-molecular layer formed by RCC protects steel from chloride and other corrosive ions in concrete. **Geo Polymer Concrete** A eco friendly concrete made by using Aggregates, Flyash and GGBS with use of some alkali activating chemicals, Reduces the CO2 emissions by 70-80%, One Day strength of Concrete can be around 125 Mpa with proper selection of activators

	Akhil Bharatiya Maratha Shikshan Parishad's Anantrao Pawar College of Engineering & Research		
	Record No.: ACA/D/021 Revision: 00	DoI: 02/01/2023	
EVENT REPORT			

and mix design, **Chattan, Faulaad, Vajra** (Ultra High Strength Concrete) Bullet Proof, Lightweight blocks. They can be used for making Bunkers as well as for go downs and other storage units, High performance concrete in terms of heat resistance upto 1400 degrees Celsius. It is a specialized concrete, having a layer of graphene or graphene mixed in the concrete will lead to such specialty concrete.

5. Molecular Hydrogen Inhaler: Under much research it has been found that inhaling Molecular hydrogen or intake of molecular hydrogen dissolved water is very beneficial for the human body. Provides direct and indirect benefits for over 170 diseases, biological repairs and strengthening of our body. Improves skin conditions, Reduces muscle fatigue. Very easy to maintain and service, Multifunctional applications as Inhaler & water infuser, Very efficient electrolyzer made with medical grade steel.

6. Molecular Hydrogen & Oxygen Inhaler: It has Individual output for hydrogen and oxygen. The machine breaks down the molecular composition of water into Hydrogen & Oxygen Molecules separately. Hydrogen is mainly used in the field of defence as a weapon.

7. BactaServe STP: Increases the efficiency of COD & BOD degradation, Reduces overall operational cost, Reduces sludge generation, Suppresses the growth of harmful bacteria, Reduction in commissioning time of STP, Powdered form easy to store.

8. Organic Manure: Organic Manure bacteria break down organics into plant available nutrients, Organic Manure encourages healthy root systems, which decrease runoff, Organic Manure can reduce or eliminate use of synthetic fertilizers, Organic Manure increase in organic material quadruples soils water holding capacity.

9. Solar Dryer: Solar dryers work on the principle of Green House Effect. Efficient sun drying with high nutrient value preservation in hygienic condition. The temperature controllers help to maintain the temperature and entire system runs on solar panel provided with the system.

10. Smart Stick & Stun Baton: During patrolling in outskirts, there exists a high risk of attack from the predators specially in the Forest, mountain ranges, Snow clads, Uncertain terrains, etc. So to help the people visiting such a geological terrain of high risk and lack of communication from main stream, Solar Basket™ solar smart stick has been designed. It contains some basic safety and first aid medical kits with SOS functionality.

11. Solar Stills: They are used in areas where drinking water is unavailable, so that clean water is obtained from dirty water or from plants by exposing them to sunlight. Still types include large scale concentrated solar stills and condensation traps. In a solar still, impure water is contained outside the collector, where it is evaporated by sunlight shining through a transparent collector.



**Akhil Bharatiya Maratha Shikshan Parishad's
Anantrao Pawar College of Engineering & Research**

**Record No.: ACA/D/021
Revision: 00**

DoI: 02/01/2023



EVENT REPORT

The pure water vapor condenses on the cool inside surface and drips into a tank. Distillation replicates the way nature makes rain. The sun's energy heats water to the point of evaporation. As the water evaporates, its vapor rises, condensing into water again as it cools. This process leaves behind impurities, such as salts and heavy metals, and eliminates microbiological organisms. The end result is pure (potable) water.



Er. Yusuf Inamdar Sir Interacting With Students



India's First Patented Mobile Concrete Plant



Valedictory function Certificate distribution, Participants, Trainers Feedback.



**Akhil Bharatiya Maratha Shikshan Parishad's
Anantrao Pawar College of Engineering & Research**



**Record No.: ACA/D/021
Revision: 00**

DoI: 02/01/2023

EVENT REPORT

Opinions:

Hon.Guests : The Hon.Guests and dignitaries felt privileged to participate and by interaction with all young aspirants. They appreciated the workshop idea which is necessary in Nation Building. They give their best wishes to all and showed their willingness for such types of future workshops.

Trainers: The such kind of workshop will be very helpful to bridge the gap between academics and industrial need. The trainers felt privileged to interact and work with such enthusiastic participants. They shown their willingness for such kind of future workshop conduction.

Participants: The Workshop was well organized, effective, fruitful, informative, enjoyable successful. Trainers and coordinator encourage engagement in the workshop. Participants was fully satisfied with the outcome and the expecting more such kind of workshops in future. Participants thanked for such valuable and insightful workshop and hope to apply everything gained from the workshop in their career.

Hon.Guests Feedback

Air Commodore R N Gaekwad (Retd)

It was wonderful interacting with the young students. The concept of "Bring Together" workshop is an excellent idea to reduce the gap between academic teachings and industry requirements. I am very happy that these kind of workshops would be well accepted by the industry. I am happy that Mr. S. Kumar is the most active partner in making this happen. I would like to put it on record the valuable contribution of Shri Yash A. S. Gaikwad in making this workshop happen. I wish to thank Dr. Pratiksha and Anantrao Pawar College of Engineering & Research for inviting me for the inauguration of the workshop.

Thank you very much and wish you all the very best for this workshop.

Happy Landings!
Jai Hind !!

P.S. Many thanks to Prof. Heta Deshmukh for efficiently organizing the event!

(Signature)

Lt Col Anoop Mishra, VSM
Dept of Military Affairs
Ministry of Defence

It was my privilege to participate in the opening ceremony of "Bring Together" programme. The programme planning and execution is very meticulously planned. Staff and students can be seen on same bandwidth and zeal. It wish you all the best for the training programme and workshop.

Looking forward to interact with you and work on future projects.

Warm regards
Jai Hind
Anoop

Hon Air Commodore Rajendra Gaekwad Sir

Hon.Lieutenant colonel Anoop Mishra Sir



**Akhil Bharatiya Maratha Shikshan Parishad's
Anantrao Pawar College of Engineering & Research**



**Record No.: ACA/D/021
Revision: 00**

DoI: 02/01/2023

EVENT REPORT

Name: Sumit Shrestha
Phone No: 9898989898
College Name: Subodh College of Engineering (SCOE), Varanasi, India

- Feedback :-**
- 1) We planned to attend this wonderful and interesting 4 days Grow Together Workshop
 - 2) We learned a lot of the state theory part in our college, but here we got a chance to learn practical knowledge
 - 3) I gained extensive industry oriented knowledge like Total Station, Surveying, Bar Building, Shading, gradation, site design, plumbing, brickwork, substructure, structural drawing, etc.
 - 4) This workshop was organized and planned very efficiently and smoothly by the Anantrao Pawar College of Engineering, Pune.
 - 5) All the previous knowledge and equipment were provided by the Anantrao Pawar College, Pune.
 - 6) I am thankful to Anantrao Pawar College for all the efforts taken by them.
 - 7) This event will help us in our future progress and in career for greater growth of our knowledge.

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Name :- Krunal Kumar Vijay Baner
Phone No :- 724472055
College Name :- N.K. Orchid College, Solapur

Feedback :-

We give lot of New Information and new techniques of civil Engg.
We learned most of the time theory part in our college, but here we get a chance to learn practical knowledge.
I got practical oriented knowledge like, surveying, bar bending, mix design, calculation, brick work.
This workshop was organized and planned very efficiently.

Thank you



Name: Krunal Mung
Phone: 9898989898
College Name: Government Engineering College (GEC)

- Feedback :-**
- The workshop was working better for understanding the various components involved in creating a design.
 - The workshop materials provided were excellent.
 - The hands on portion of the workshop was fascinating because being able to work with the materials of equipment really helped solidify the concepts learned in the lecture portion.
 - Overall I feel much more confident in my ability to work with the workshop. I am really happy to have been able to gain a better understanding of the construction materials.

Participants Feedback

In this 4 days Grow together workshop civil engineering hands on practical training were given by expert trainers from industries. All the participants gained hands on practical knowledge. It is through enthusiastic and active participation of all participants workshop was completed successfully.

Date: 27/04/23

27.4.23
Prof. Neha Deshmukh
Workshop Coordinator

21/4/23
Dr. Abhay Shelar
Head of Department

Dr. Sunil Thakare
Principal

