ABOUT THE INSTITUTE

ABMSP's Anantrao Pawar College of Engineering & Research is established in year 2012 with six under graduate, two post graduate, Ph.D. Research Center for Civil & Mechanical Engineering and four B-Voc courses affiliated to Savitribai Phule Pune University, Institute is committed to impart quality technical education as per the needs and expectations of all the stakeholders, APCOER, Pune is under the mentorship of College of Engineering Pune (COEP), National & Internationally recognized researchers are involved in the innovation club of institute guiding the faculties and students for product development, Startups & to become Entrepreneurs through Business Incubation Center. APCOER, Pune is committed to comprehensive development of students through quality technical education

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AKHIL BHARATIYA MARATHA SHIKSHAN PARISHAD'S

ANANTRAO PAWAR COLLEGE OF **ENGINEERING & RESEARCH**



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JOINT SERVICES INNOVATIONS & INDIGENIZATION CENTRE PUNE (JSIIC) MINISTRY OF DEFENCE STARTUP RESEARCH OF OPERATIONAL TECHNOLOGY (SROT) IN ASSOCIATION WITH



J KUMAR INFRA PROJECTS LTD. PUNE







About WORKSHOP

Civil engineering is being transformed from theory-heavy to practice-oriented program, which needs a constructive laboratory 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, 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 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.

- 1. **Hands-On Experience**: Practical knowledge helps students and engineers understand how the theoretical concepts they learn in the classroom can be applied in real-world situations. Hands-on experience in construction sites, laboratories, and other practical settings help them develop critical skills such as problem-solving, communication, teamwork, and leadership.
- Improved Problem-Solving Skills: Practical knowledge enables engineers to identify problems and find
 solutions quickly and effectively. When engineers are exposed to real-world projects, they can see the practical
 implications of their work, which in turn helps them develop better problem-solving skills.
- 3. **Better Understanding of Material Properties**: Practical experience in Civil Engineering allows engineers to understand the properties of different materials and how they perform under various conditions. This knowledge is critical when it comes to selecting the appropriate materials for a specific project.
- 4. **Improved Technical Skills:** Practical experience provides engineers with the opportunity to hone their technical skills in areas such as surveying, construction techniques, and laboratory testing.
- 5. Better Understanding of Industry Regulations: Civil Engineers must be aware of the various industry regulations, standards, and codes of practice that govern their work. Practical experience helps them understand how these regulations apply to real-world projects and how to adhere to them in their work.

Why GROW TOGETHER Workshop?

The main motive of this workshop is to fill the gap between academic and Industrial needs.Let'sColleges and Industry GROW TOGETHER, as per today's need for our Nation. This program is beneficial for all civil engineers as they practically Live the CIVIL ENGINEER'S LIFE. Practical knowledge is crucial in the field of Civil Engineering. 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. Academia gap is emerging because there is something lacking which is also addressed in "National Educational Policy 2020 :Industry and Institute Linkage."It's the gap between the engineering education system and the industries expectation from entry level engineers. This huge mass need to be converted into a positive force by making the spirited youth employable. 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!

How Workshop will be conducted?

Er. Yusuf Inamdar Sir with their Team will give 4 days Hands On Training to all students. In this 4 days workshop there will be exhibition of daily 2 innovative business start-up products and civil industry machineries. On the last day On 14th April 23 there will be exhibition of all Start-up products, new Construction Equipments, related products and admixtures. This exhibition will motivate students for their own start-ups. Students will get to know the emerging technologies and opportunities in Civil engineering Industry. The distribution of Certificates on 14th April 2023. For certificate 100% Attendance of 4 days will be required.

WHO CAN ATTAINED?

- Diploma and Degree Civil Engineering students
- ❖ 11th&12th Civil Vocational subject Students
- Faculty members
- RMC plant Technicians

Why GROW TOGETHER Workshop?

- ❖ To fill the gap between academic and Industrial needs.
- Let's Colleges and Industry GROW TOGETHER.
- . Live the CIVIL ENGINEER'S LIFE.

- ♦ LAST DATE OF REGISTRATION 09th April 2023
- Registration Link:https://forms.gle/XfembTJwKnVwgJBg9
- NO REGISTRATION FEE
- . On the Spot Registration will be accepted.





College Location QR code

DATE	ACTIVITY	TIME
10/04/2023	 INAUGURAL CEREMONY INTRODUCTION OF RAW MATERIAL TOWNSHIP LAYOUT: Centerline layout in field ➤ Gunia Boarder, Column Line Marking Foundation Marking SURVEYING: Surveying by Auto-level (Land levelling, Profile levelling, Contour mapping, Inverted levelling staff) Total station 	10 AM -12.00 PM 12.00 PM -01.00 PM 02.00 PM -04.00 PM
	BAR BENDING SCHEDULE: 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	04.00 PM-06.00PM
11/04/2023	 DEMO TRAINING & CEMENTOUS MATERIAL PRESENTATION GRADATION Combine Gradation	09.00 AM-10.00 AM 10.00AM-12.00PM 12.00PM-01.00 PM 01.00PM-06.00 PM
12/04/2023	 Plumbing Brickwork layout Waterproofing Painting Wall construction 	09.00AM-06.00PM
13/04/2023	 CUBE TESTING QUANTITY SURVEY & ESTIMATION Item-wise Details of building materials. Rate Analysis (According to current) Market rates as per Indian standard STRUCTURAL DRAWING READING Quantity of required steel and concrete Calculation. EXHIBITION OF ALL STARTUPS PRODUCTS Civil Industry machineries New Construction Equipments, Related Products & Admixture VALEDICTORY FUNCTION CERTIFICATE DISTRIBUTION 	09.00AM-11.00PM 11.00AM-01.00PM) 3.00PM-04.00PM 04.00PM-06.00PM 09.00AM-06.00PM