

## 7.2 Best Practices

### (I)

#### 1. Title of the Practice:

18 Hour Study Program on the occasion of Dr. Babasaheb Ambedkar Jayanti .

#### 2. Objectives of the Practice

To mark Dr. Babasaheb Ambedkar Jayanti with an 18-hour study program, we structure a comprehensive, impactful study plan that combines Dr. Ambedkar's legacy with productive academic and personal development activities.

This 18-hour study program is designed to inspire and deepen your understanding of Dr. Ambedkar's contributions while aligning the study process with your personal, academic, and social development.

This program can be a mix of self-study, reflection on the following objectives.

- Honoring Dr. Babasaheb Ambedkar
- Educational Focus
- A Multifaceted Approach to Learning
- Fostering Personal and Academic Growth
- Reflection on Contemporary Issues

#### 1. The Context

Dr. Babasaheb Ambedkar Jayanti, celebrated on April 14<sup>th</sup> each year, marks the birth anniversary of Dr. Ambedkar, a pivotal figure in the fight for the rights of the marginalized, especially the Dalit community, and the architect of the Indian Constitution. This day is an occasion to reflect on his vision of equality, justice, and the empowerment of all sections of society.

The 18-Hour Study Program is designed to encourage participants to immerse themselves in the rich intellectual and social contributions. The program emphasizes the importance of education, critical thinking and social responsibility, all of which were central to Dr. Ambedkar's life and philosophy.

This study program encourages participants to combine their study of Dr. Ambedkar's works with academic pursuits, whether in the fields of law, politics, sociology, or social sciences. By focusing on subjects that Dr. Ambedkar was deeply involved in, participants can draw connections between his philosophy and their own academic interests, cultivating a sense of purpose and responsibility.

Dr. Ambedkar's work was not just about addressing historical injustices but also about paving the way for future progress. The study program provides an opportunity to reflect on how his teachings can be applied to current social issues, encouraging participants to think critically about how they can contribute to a more just and equal society.

## 2. The Practice

The 18-Hour Study Program on Dr. Babasaheb Ambedkar Jayanti is not just a study session, but a deeply reflective and inclusive event designed to honor the life, teachings, and vision of Dr. Ambedkar. The program provides an opportunity for people of all ages, backgrounds, and social statuses to come together to learn and engage with his ideas, while reflecting on the broader ideals of equality, justice, and empowerment that he stood for. The practice of the 18-hour event is structured to maximize engagement, learning, and personal reflection.

### Key Elements of the Practice:

#### 1. Inclusive Participation is Free of cost for Registration, Meal and Certification

The 18-Hour Study Program is designed to be inclusive, open to individuals of all ages, educational backgrounds, religions, castes, and social statuses which is totally free for all participant. Dr. Ambedkar's legacy is one of inclusion and empowerment, and this program follows in his footsteps by encouraging participation from everyone. It is not limited to a particular group but invites individuals who wish to understand Dr. Ambedkar's life and apply his teachings in their own lives, regardless of their social or educational background.

#### 2. Early Start with Spiritual Grounding

The program begins at 6:00 AM with a session of Buddha Vandana in the library. This morning ritual is symbolic of Dr. Ambedkar's reverence for Buddhism and his deep connection with the teachings of Lord Buddha. It offers participants a calm, reflective start to the day and sets a peaceful tone for the learning ahead. The Vandana serves as a reminder of Dr. Ambedkar's dedication to rational thought, compassion, and social equality.

#### 3. Meals Provided for Convenience

Understanding the importance of maintaining focus and not wasting time during such an intensive program, all meals are provided on the table throughout the day. The meals include:

Morning Tea  
Breakfast  
Lunch  
Hi Tea  
Dinner

Providing meals during the program ensures that participants remain energized, focused, and engaged throughout the 18 hours, while also fostering a sense of community and inclusivity.

#### 4. Breaks for Reflection and Interaction

The program allows for regular breaks, ensuring participants remain refreshed and motivated. These breaks are ideal for personal reflection, networking with others, or engaging in informal discussions on topics related to Dr. Ambedkar's work and social issues. The short breaks create an atmosphere of rest and reflection, which is vital for absorbing complex ideas.

#### 5. Felicitation and Acknowledgment

The program culminates at 12:00 PM with a felicitation ceremony. Each participant is presented with a certificate of participation as a token of appreciation for their commitment to the event and their engagement with Dr. Ambedkar's teachings. This act of recognition reinforces the importance of learning and the spirit of participation that Dr. Ambedkar emphasized in his own life.

#### Program Goals and Impact

- **Learning and Empowerment:** The primary aim is to provide participants with a deeper understanding of Dr. Ambedkar's philosophy and to empower them with the knowledge to engage with social justice issues in their own lives.
- **Social Justice Awareness:** The program encourages critical thinking about caste discrimination, gender equality, and economic disparities, aiming to create change-makers who can work towards equality.
- **Personal Growth:** By following the structure of this immersive learning program, participants not only gain knowledge but also develop the qualities of self-discipline, focus, and commitment that were central to Dr. Ambedkar's life.

#### 3. Evidence of Success

- Increased Student Competence
- Free Registration, Course and Certification :

### 6. Problems Encountered and Resources Required

#### Problem Encountered

- **Time Management:** Coordinating between academic schedules and the Bootcamps planned was a challenge, as students had to balance their coursework with hands-on project involvement.
- **Technical Challenges:** To Provide opportunities for students to work in labs and simulation environments to reinforce theoretical learning. Utilization of lab facilities or simulation software for each branch (e.g., Coding Labs for

Computer Science, Embedded Systems for Electronics, CAD Software for Mechanical Engineering).

- **Resource Allocation:** Ensuring that all the necessary tools (Smart Board, Cayan, Internet facility), materials, and safety equipment were available for students to use during the project posed logistical challenges, especially during peak periods of work.

### **Resources Required:**

- **Technical labs:** To Provide opportunities for students to work in labs and simulation environments to reinforce theoretical learning. Utilization of lab facilities or simulation software for each branch (e.g., Coding Labs for Computer Science, Embedded Systems for Electronics, CAD Software for Mechanical Engineering).
- **Internet Facility:** To ensure effective learning and interaction in a technical bootcamp, especially when working with simulation software and internet-dependent tools
- **Tech-Enhanced Interaction:** CAYAN systems could be used for presenting, managing content, or facilitating remote collaboration. For example, it might involve a tool that integrates all multimedia formats, online interactions, and smart board functions into a unified learning environment.

**Real-Time Data & Collaboration:** It might also include features like collaborative annotation or access to course materials and simulations on various devices (e.g., laptops, tablets, or smart phones) in real-time.

### **Smart Boards/CAYAN for Enhanced Delivery**

By integrating these facilities like Smart Boards/CAYAN -Wi-Fi, LAN networking, smart boards, and advanced tools like CAYAN-into the bootcamp, to create a state-of-the-art learning environment that not only supports effective use of simulation software but also enhances overall training delivery. These tools foster interactive, immersive, and efficient learning experiences for participants

- To work with Simulation Software Internet facilities is very important. Therefore labs were provided with Wi-Fi facilities along with LAN Networking.

**Smart Board/CAYAN:** For delivering the training Smart Board and Cayan facility were made available.

- **Resource Persons/Trainers:** For industry-demand-focused technical bootcamps, selecting the right resource persons (instructors or speakers) is crucial for the program's success. The resource persons should have a combination of technical expertise, industry experience, and the ability to engage and inspire participants.

Resource persons were from National Institute of Electronics & Information Technology, Aurangabad (**NIELEIT**) for all the Bootcamps.

### **7. Notes (Optional):**

The success of the "Industry-Demand-Focused Technical Bootcamps: Tech Leadership for the Next Generation" can be attributed to a variety of key factors, which ensured that around 250 students were able to gain specialized skills in their

chosen fields. The "Tech Leadership for the Next Generation" bootcamp's success was driven by a combination of specialized, industry-relevant content, expert resource persons, a strong commitment to student engagement, and an interactive learning environment. The cooperation between students and resource persons created a dynamic and effective ecosystem for learning. With 250 students benefiting from the program, it is clear that the bootcamp met its goal of providing job-ready skills in the most in-demand technical fields.

## **(II)**

### **1. Title of the Practice:**

Hands-on training & practice for students through Maintenance & repair activities of Utilities & facilities, done at the Institute for CSE, Civil & Electrical Departments.

### **2. Objectives of the Practice:**

To spark the curiosity of learning & discovering through examples of daily applications & amenities.

To heighten & enhance the overall perspective of concepts & Engineering products.

To provide training by the experts from industry at our institute and make the students employable.

### **3. The Context:**

Electrical Department curate's platforms of learning through Maintenance of various appliances, services and facilities by its trained personnel. Simultaneously, real-time instructions are given to students to perceive theory with practical. Students are demonstrated viable strategies of troubleshooting & maintenance, and at the same time, given the opportunity to carry out guided repairing & fixing of items & services.

### **4. The Practice:**

The Trained Staff & personnel have expertise and technical know-how of handling various devices and malfunctioning of services / devices. The students are made aware with IS rules, safety norms and maintenance work. Students take active participation in the actual repair and maintenance work carried out at Institute level. Electrical circuit design along with the switchgear and protection, actual wiring work is carried out at department level. Training is given to the students regarding the following,

Use of handy toolkits and demos of their usage,

- a. Use of Precautionary instructions, Dos and Don'ts and Safety norms to be followed,
- b. Use of Instructional Material covering basics of a concept
- c. Use of Pictorial representations for better understanding.

Also streamlining the concepts by clarifying the applications and relevance of the activities is being carried out.

### **5. Evidence of Success:**

Students become receptive to an interactive & riveting learning environment which is apparently being done through this practice. enhancement in learning is observed

### **6. Problems Encountered and Resources Required:**

Students come with a lot of pre-conceived notions & theoretical concepts about how

Engineering Stuff works which are erroneous and faulty. As such, they have difficulty grasping the live rectifying operations being done on dysfunctional/repair-worthy instruments.

**7. Notes (Optional):**

It has been observed that students have been ingrained with a very rote and mechanical method of learning. When it comes to implementing their learning, their performance is very disappointing. The underlying cause behind this lack of ability is lack of proper skills and know-how which should be inculcated during practical or lab sessions in their education.

To overcome this flaw, the best practice of integrating real-life problems and their feasible solutions has been implemented by the Electrical Department, Computer Department by taking issues faced in daily life at an Institute level.

This helps the students to upgrade their skills and take initiatives in solving practical problems relating to engineering products and services, which are vetted by Authorized personnel before interfacing them with students.

आघाडीतर्फे मिठाईचे

भुतकर उपस्थित होते.

खडके, भगवान  
लंबे, वामन को

# मांसह भवादन

भाजप

येथील भाजप  
डॉ. बाबासाहेब  
जयंती उत्साहात  
आली. शहराध्यक्ष  
आमदार अतुल सावे  
साहेब आंबेडकर  
पुष्पहार अर्पण  
केले. या वेळी  
मकरिये, प्रमोद  
वानखेडे, भगवान  
माधुरी अदवंत,  
शिवाजी दांडगे,  
नरवडे, महेश  
प्रत होते.

री, कार्यकर्ते  
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मुनील भास्कराव

## ‘पीईएस’मध्ये १८ तास अभ्यास

म. टा. प्रतिनिधी, औरंगाबाद

पीईएस अभियांत्रिकी कॉलेजमध्ये  
भारतरत्न डॉ. बाबासाहेब आंबेडकर  
यांच्या जयंतीनिमित्त १८ तास  
अभ्यास अभियान राबविण्यात आले.  
दरवर्षीप्रमाणे महाविद्यालयात हे  
अभियान राबविण्यात आले. अभियानात  
विद्यार्थी, विद्यार्थिनींनी मोठ्या प्रमाणात  
सहभाग घेत, अभ्यासक्रमासह  
महापुरुषांच्या जीवनावर आधारित  
पुस्तकांचे वाचन केले.

डॉ. बाबासाहेब आंबेडकर  
परदेशात शिक्षण घेत असताना रोज  
१८ तास अभ्यास करीत असत, हा  
विचार विद्यार्थ्यांच्या मनात रुजावा व  
वाचनसंस्कृती अधिक समृद्ध व्हावी,  
या हेतूने कार्यक्रमाचे आयोजन  
करण्यात येते. ग्रंथालयात उपक्रम  
घेण्यात आला. या वेळी प्राचार्य डॉ.  
अभिजित वाडेकर यांनी मार्गदर्शन केले.  
डॉ. आशा तुपे, के. पी. गायकवाड,  
ए. एन. खिल्लारे, ए. के. खरात, उषा  
वेलदोडे, आर. बी. साळवे, व्ही. के.  
मिसाळ, आर. एस. मस्के, ए. आर.  
मोरे, आर. आर. जाधव, डी. बी.  
धुताडे, डी. बी. शिंगारे, राजश्री काळे,  
रत्ना साळवे, निर्मला कांबळे आदींनी  
परिश्रम घेतले.

डॉ. सु  
यांचे प्र

म. टा. प्रतिनि

भारतरत्न  
आंबेडकर यांनी  
करताना मांस  
समजून देशाला  
तरच आपला  
उंचीवर पोहो  
मिळेल, असे  
विद्यापीठातील  
यांनी केले.

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व्याख्यानासाठी  
प्रतिभा अहिरे,  
डॉ. फुलचंद स  
सोनकांबळे यांचे  
प्र-कुलगुरू डॉ.  
अध्यक्षस्थानी  
सुकुमार म्हणाले

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Computer Hardware Maintenance work.



Electrical Maintenance Work.

*Dr. Chaudhari*

HEAD

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