

ANVESH...

Theme: Upskilling for Modern Workforce

DR B.R Ambedkar Institute of Technology



Upcoming Events...

- March 7th - Annual Sports Meet
- March 15th - 21st - ANCO FEST
- March 24th - 26th - Employability Skill training
- April 16th - Upgradation Day
- BRAIT Feast Day



Editorial Board:

1. Ms. N.V Sajitha, Lecturer (EE)
2. Dr Shraboni Mallick, Lecturer (CSE)



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Skill Development Initiative- Effectiveness?

India has traditionally been focusing on Skill for more than few centuries, this skill requirement was redefined post industrial revolution. It took some time for our country to align with the challenge posed by Industrial Revolution.

There are no two opinions that a skilled person is never unemployed. Hence it becomes very essential that large population of our country who are not perusing higher education must be channelized towards acquiring skills.

Age old method of skill Development was to attach the youths to the highly skilled successful wage/ self-employed persons. This approach guarantees competency-based skill development and ensure wage employment. Over the years, the economy of the world has changed, and it had effect on Indian Economy as well. The concept of skilling only in one discipline is no longer as relevant as it was few decades ago. There is a demand of multi skill manpower by the industry with the component of entrepreneurship so that the skilled youth employed acts as a leader to motivate all the work man in the specified shopfloor.

General perception of skill-based training is that it is a routine training with fixed content (both theory and practical) with limited scope of innovation. This is far from reality. The trainers are required to think innovative approach to motivate the trainees of every batch apart from implementing the concept of EARN while you LEARN. This will help the trainees understand the market and make their strategy for creating space in otherwise occupied sector.

The Technical Institution has big role to play both in terms of ensuring effective monitoring and following dynamic teaching learning method which will make the skill development really effective and bring pride to all the trainees passing out.



-Dr. Utpal Sharma
Principal, DBRAIT



Events & Activities

Training of Faculties & staffs

DBRAIT organized 5 days in-house training program on Internet of Things from 2/12/2024 - 6/12/2024 in collaboration with C-DAC Chennai for equipping faculties and staffs with the latest technologies. Around 24 participants DBRAIT, JNRM and TGCE attended this training program.



AICTE ATAL FDP on "Foundations & Applications of AI and Data Science"

The 6-day Online AICTE Training and Learning Academy-FDP was conducted from 20th Jan'25 to 25th Jan'25 by DBRAIT which was inaugurated by Prof. K.K Aggarwal, President South Asian University.

This in-depth program was designed to provide participants with strong foundation in AI & Data Science. Around 120 participants from across the country participated in which sessions were conducted by various experts including industrialists, researchers and academicians from institutes of repute.

"Kriti"-craft exhibition by SDP trainees

A 3-day long Exhibition cum bazaar 'Kriti 'was organized by skill development program fashion designing trainees which was inaugurated by Ms. Smitha R,IAS , Secretary (Power), A & N Administration. This event paved unique opportunity to showcase the craftsmanship and skills of the local youths.

Workshop on Virtual Labs



Two-day workshop on "Virtual labs "was organized by DBRAIT in collaboration with IIT Roorkee in which 135 students participated including JNRM. It provided the attendees with insights into the benefits and applications of virtual labs in various disciplines. The workshop was conducted by Prof. R.S Anand from IIT Roorkee and his team who demonstrated the potentials of this project in bridging the gap between theoretical concepts and practical applications.

Placement



Simbiotok Technologies, a leading name in cutting edge technology solutions based in Malaysia, conducted campus placement for the engineering students of DBRAIT on 16th Dec, 2024.Total 50 students participated and 20 were shortlisted for interview from which four students were selected in this successful placement drive.



Featured Articles

Skill and entrepreneurship Initiatives

To encourage and support the development of new and innovative products, services, and processes, Dr. B. R. Ambedkar Institute of Technology focuses on fostering industry-academic linkages, promoting interdisciplinary research and innovation, and developing hand-holding mechanisms for students. The focus is on "learning by doing," enabling students to visualize and create tangible products. This lab is meant to bridge the gap between theoretical knowledge and practical application, preparing students for real-world challenges.

Furthermore, to create a vibrant startup ecosystem that generates ideas with startup potential, the institute has initiated a Startup Club. This club supports students in presenting business ideas, from simple to complex. The institute maintains a strong tie-up with the Directorate of Industries to organize state-level pitch events and workshops. These initiatives help students gain access to investors, market specialists, and information on government regulations and support programs.

Thrust on real world projects, facilitating end to end implementation, seed money support, technical workshops, startup mentoring sessions etc. are some of the key initiatives being taken up for aligning technical education with the needs of the modern industry and footing in the startup ecosystems.



-Dr. Shraboni Mallick
Lecturer (CSE)



Sustainable Engineering: Innovations in Green Technology

Sustainable engineering focuses on creating solutions that protect the environment, use resources efficiently, and support future generations. It involves developing technologies that reduce environmental damage while meeting human needs. Green technology is an essential part of sustainable engineering, offering innovative ways to address challenges like pollution, climate change, and resource depletion.

Some key innovations in green technology include renewable energy sources such as solar, wind, and hydro power. These energy sources are clean and reduce reliance on fossil fuels. Energy-efficient buildings use smart insulation, renewable energy, and natural light to reduce energy consumption. Electric vehicles (EVs) help reduce air pollution by replacing traditional gasoline cars with environmentally friendly alternatives. Waste management and recycling technologies help reduce waste and encourage the reuse of materials, limiting the environmental impact. Finally, water conservation technologies like smart irrigation systems and harvesting rainwater are helping to use water more efficiently in agriculture and daily life.

In conclusion, sustainable engineering and green technologies are crucial for creating a cleaner, healthier future. By embracing these innovations, we can reduce pollution, conserve resources, and ensure a sustainable environment for generations to come. Engineers will play a key role in building a greener world with sustainable practices and cutting-edge technologies.



-Dr. Manu Vashishtha,
Lecturer Chemistry

Upskilling and Reskilling:
The Importance of
Continuous Learning in
the Modern Workforce





Featured Articles

Shaping the Future of Hospitality:

The Role of Dr. B.R. Ambedkar Institute of Technology in Andaman's Evolving Hospitality Industry.

The Andaman and Nicobar Islands, with their pristine beaches and lush greenery, are experiencing a surge in tourism. This burgeoning industry presents a wealth of opportunities for the local youth, and Dr. B.R. Ambedkar Institute of Technology (DBRAIT), Port Blair, is playing a pivotal role in equipping them with the skills and knowledge to thrive in this dynamic sector.

Skilling in Hospitality Sector:

Established in 1984, DBRAIT has a long-standing history of providing quality education and vocational training to the youth of Andaman and Nicobar Islands. Recognizing the growing importance of the hospitality sector, the institute established a dedicated Department of Hotel Management in 1989. This department offers diploma programs in Hotel Management, equipping students with a comprehensive understanding of various aspects of the industry, including:

- * **Food and Beverage Service:** Students learn the intricacies of providing exceptional dining experiences, from table etiquette to beverage preparation.
- * **Food Production:** The program covers culinary skills, kitchen management, and the art of creating delectable dishes.
- * **Housekeeping:** Students gain expertise in maintaining cleanliness, hygiene, and guest comfort in accommodation establishments.
- * **Front Office Operations:** The curriculum includes training in guest relations, reservations, and managing front desk operations. Bridging the Gap Between Education and Industry DBRAIT's commitment to practical training ensures that students are well-prepared for the demands of the hospitality industry.



The future belongs to those who learn more skills and combine them in creative ways.

- Robert Greene



Nurturing Entrepreneurship:

DBRAIT also encourages entrepreneurship among its students. The institute provides guidance and support to those who aspire to start their own ventures in the hospitality sector. This could include setting up small restaurants, guesthouses, or tour operator businesses, contributing to the local economy and creating employment opportunities.

A Catalyst for Sustainable Growth:

Andaman's tourism industry is heavily reliant on its natural beauty. DBRAIT instills in its students the importance of sustainable tourism practices. The institute emphasizes the need to preserve the island's environment and cultural heritage while promoting responsible tourism.



-Dr. Deepanshu Singh
HOD (Hotel Management)





Motherland

Ashes and blood, furious of all I wait for the trumpet call.
I burn the midnight lamp, in rage with stars,
When the clock ticks twelve, and the moonlight directs the tide,
My mirror shows me the scars! There my windows guide,
I rise up like a warrior, With the silver sword.
Like the princess of the sky, I wear my Crown!
And not to augment the strength of my throne,
But to free my people from the battles grown.
Tonight, I'm gonna fight and fight again the skies doth frown.
Till the death of the stars, to deliver my people from their pain
For I'm the queen of the land, of the ocean and the sky, I cannot die,
I will fight over and over again, my thirst and the hunger I crave Freedom and Freedom, I hail
I will fight, for my blood is brave
Will never let them build castle on my grave!
Like those shooting stars, I will bring them down,
In our Victory, I will lift the Crown!



- Farheen Khan
Asst. Prof. (Civil)



Innovation is the ability to see change as an opportunity - not a threat

-Steve Jobs

AI Vs Humanity: A campus conversation

Will AI replace us? Unlikely, but it'll reshape our world. AI excels at data, automation, and efficiency, vital for research and industry. However, human strengths—creativity, emotional intelligence, and ethical reasoning—remain irreplaceable. Expect AI to augment, not supplant, human work. Future jobs will blend tech skills with uniquely human abilities. Critical thinking and adaptability become paramount. We must address ethical AI development, ensuring fairness and responsible use. Embrace AI as a powerful tool, not a human replacement. The future is collaborative, not competitive.



-N.V Sajitha
Lecturer (EE)

Beat the Heat: Quick Tips!

- Hydrate Often: Water trumps all. Carry a bottle!
- Dress Light: Opt for loose, breathable fabrics.
- Shade Seeker: Limit midday sun exposure (10am-4pm).
- Sunscreen Essential: SPF 30+ is your skin's armor.
- Cool Down: Seek AC, fans, or cool showers.
- Know the Signs: Learn heat exhaustion symptoms.
- Check on Others: Especially seniors and kids.
- Timing Matters: Plan outdoor activities for cooler hours.
- Eat Cool: Water-rich fruits and veggies refresh.
- Car Safety: Never leave anyone in a hot vehicle.

**UPSKILLING THE
WORKFORCE**





Student's Corner

How My Vote Counts in Electing My Country's Leader

Voting is the cornerstone of democracy of a country, allowing citizens to choose their leaders and influence the future of the country. Every vote contributes to the final decision, ensuring that the government represents the will of the people. Voting is one of the most powerful tools that citizens possess in a democratic nation. It is not only a fundamental right but also a responsibility that allows individuals to participate in the decision-making process and shape the future of their country. However, many people often wonder how their single vote can make a difference in electing a leader. We need to know that every vote is significant, and it plays a crucial role in determining the leadership of a country.

The Power of One Vote

Many people underestimate the value of their single vote, assuming that it won't make a difference in the final outcome. However, history has shown that elections can be decided by a very small margin. For example, in the 2000 U.S. presidential election George W. Bush won the state of Florida by just 537 votes which ultimately decided the entire election. Similarly in India's 2017 assembly election in the state of Gujarat a candidate won by just one vote. Every vote contributes to the overall result and can be the deciding factor in closely contested elections. When people choose not to vote they give up their right to influence the leadership and policies that directly affects their lives.

Why Your Vote Matters

- **Representation of Public Opinion:**

Voting allows citizens to express their views and preferences. The elected leader is responsible for making decisions that reflect the will of the people.

- **Shaping Policies and Laws:**

By electing leaders who align with your values and priorities, you can influence policies on education, healthcare, employment and social justice.

Protecting Democracy:

- High voter participation ensures a fair and transparent election process. It prevents manipulation and corruption and strengthens the democratic system.

Holding Leaders Accountable:

- When citizens actively participate in elections, leaders are more likely to fulfil their promises and work for the welfare of the people.

Your vote is your voice. It holds power in deciding who leads and how your country is governed. In a democratic nation, every vote counts and by casting your vote, you are not only choosing a leader but also shaping the future of your country. It is a responsibility that should be exercised with awareness and commitment. Moreover, participating in elections strengthens democracy and ensures transparency and fairness in the electoral process. On the other hand, when people abstain from voting, they allow others to make decisions on their behalf, which can lead to policies and leadership that do not reflect the true will of the people.



-Anisha Topno
IT 2nd year (Student)

Whisper of the Earth

The sky unfolds in hues so bright
, A canvas brushed with morning light.
The dewdrops dance on blades so green,
A sparkling world, fresh and serene.

The rivers hum a peaceful tune,
Guided gently by the moon.
Mountains rise with timeless grace,
Guardians of this sacred place.

The trees, they whisper, soft and low,
Secrets only nature knows.
Flowers bloom in colours rare,
Perfumed kisses in the air.

The fireflies blink as dusk descends,
Night and day, like woven threads.
Nature sings in endless streams,
A living poem, shaped by dreams.



-C.Dhanush
ECE 3rd year (Student)

Student Discipline

"In a student's life, discipline is essential since it shapes their future, behaviour, and character."

It involves not only obeying by the rules but also cultivating self-control, accountability, and respect. A well-behaved student consistently studies, arrives on time, and finishes homework on time. In the end, it improves academic achievement by nurturing honesty, integrity. Additionally, discipline helps kids stay motivated, focus better, and avoid procrastination. While parents and schools are crucial in establishing discipline, self-motivation is just as crucial. A disciplined life is facilitated by having a positive outlook, setting clear goals, and using time effectively.

Discipline can be further strengthened by avoiding distractions like excessive social media use and asking mentors for advice. A positive learning environment is enabled by treating teachers with respect, abiding by school regulations, and acting appropriately. Discipline is ultimately essential for both academic and personal achievement, opening the door to a promising future.



- Prosanjith Das & Jebasteen
3rd year (Student)

Dawn Dewy

Softly falls the morning dew
On petals bright, and grass anew
The sun rises high and bright
A fiery ball, in morning light

The forest sways, with gentle breeze
As leaves rustle, and wildflowers seize
The scent of blooms, and fresh-cut grass
Fills lungs with joy, and peaceful pass

In nature's arms, we find our peace
A sense of calm, our souls release



- B Vikash
Civil -3rd year (Student)



The Rhythm of Seasons

The Season starts like morning glow
Where flowers bloom and breeze blows
Which draws bees and birds too
To sip the nectar and catch the dew
You may know this season by the name spring
But I call it Persephone's garden, where wild birds sing.

Now when the golden Inferno deepens its blaze
The River shrinks and meadows haze
Beneath the shade where cool wind flows
The animals rest as the sunrays glow
We still love summer and are fascinated by its charm
Which includes its evening sky and its warmth.

Then it's time for the season of change
When golden leaves dance in a crisp embrace
Though all must fall and fade away
Their golden glow still lights the day
The leaves fall down while the trees stand bare
Yet beauty lingers in the autumn air.

And here comes time for the delicate ice
Where cinnamon is used as spice
The snowflake falls and water crystallizes
And in a day, the hearth burns more than twice
Oh yes, it's the icy season winter Where the cold wind
whispers.



-Monalisa
B.Tech CSE (Student)



IMPORTANCE OF YOGA

Yoga is an ancient practice that promotes physical, mental, and emotional well-being. It involves different postures (asanas), breathing exercises (pranayama), and meditation, which help improve overall health. Physically, yoga enhances flexibility, strengthens muscles, improves posture, and boosts immunity. Regular practice also helps with digestion, blood circulation, and overall body balance.

One of the best things about yoga is that it is suitable for all age groups. Unlike intense workouts, yoga is gentle yet powerful, making it accessible to everyone. Whether young or old, anyone can practice yoga and experience its positive effects.

In today's busy and stressful life, yoga provides a simple and effective way to maintain a healthy lifestyle. It brings inner peace, positivity, and happiness. By practicing yoga regularly, one can achieve a balanced body and mind, leading to a healthier and more peaceful life. It is a natural way to stay fit, stress-free, and full of energy.

N SNEHA CIVIL



Gallery



Student Internship at NTT Bangalore



Industrial visit at Science Center



Motivational talk for girls' hostel inmates



Poster competition on National science day



NSS Activity



Waste to Wealth competition on environmental club



Expert Lecture by GM (Everyeady pvt Ltd)



Workshop Internship of students