

Faculty Development Program (FDP):

1) Physics:

About Institute

Dr. Bapuji Salunkhe Institute of Engineering and Technology (BSIET) was established in 2009 to impart quality technical education with emphasis on professional skills and positive attitude. BSIET Kolhapur is approved by AICTE, DTE, Government of Maharashtra and affiliated to MSBTE, Mumbai. BSIET is one of the institutes under the auspices of Shri Swami Vivekanand Shikshan Sanstha, Kolhapur which was founded under the charismatic leadership of Shikshan Maharshi Dr. Bapuji Salunkhe. Our institute believe that knowledge, science and technology should be imparted along with ethics, moral and values for developing engineers with social responsibility. The institute is located in the heart of the historical Kolhapur city, yet within a peaceful, serene environment inside the campus surrounded by the greenery of Tarabai Park on all the sides. BSIET offers diploma programs in Mechanical, Electrical, Civil, Computer and AIML curriculums under MSBTE, Mumbai. BSIET has secured "Very Good" rank during AY 2023-24 for academic monitoring conducted by MSBTE, Mumbai. The students of BSIET are performing extra-ordinarily with remarkable achievements in academics, co-curricular activities, sports as well.

Chief Patron
HON. PRIN. ABHAYKUMAR G. SALUNKHE
Chairman, Shri Swami Vivekanand Shikshan Sanstha, Kolhapur

Patron
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Convener
MR. VIREN D. BHIRDI
Director, BSIET, Kolhapur

DR. SUHAS G. SAPATE
Principal, BSIET, Kolhapur

Chief Coordinator
PROF. H. T. SHINDE
Head of Department, Science & Humanities
Email: engineering@bsiet.org

Coordinator
PROF. S. D. MAHADIK
Lecturer in Physics, Science & Humanities

Who can Participate?

- The faculty from degree or diploma engineering with or without ISTE Membership can register. FDP will be conducted through online mode using Google Meet E-certificates will be provided after successful completion of FDP (Registration, attendance, online test & feedback is compulsory.)
- Registration link- <https://forms.gle/a2uQwpVS4pduX57>
- Registration fees :- 100/-
- Last Date for Registration :- 06th October 2024
- Experts: Experts from industry and academia will deliver the interactive sessions.

PAYMENT



REGISTRATION



Certificates will be issued after submitting feedback form and test.

Dr. Bapuji Salunkhe Institute of Engineering & Technology
BSIET
2150, Tarabai Park, Kolhapur - 415 003



ONE WEEK ONLINE FACULTY DEVELOPMENT PROGRAM ON
Recent Trends in Engineering Physics
7th October to 11th October 2024
Time: 3.00 pm to 5.00 pm IST (Online)



INSTITUTE VISION

To impart quality technical education with research aptitude for developing industry ready skilled professionals accelerating sustainable growth of the nation.

INSTITUTE MISSION

M1 – To imbibe and implement outcome-based education for effective teaching-learning process.
M2 – To up bring critical thinking, research aptitude and problem-solving attitude among the students & teachers.
M3 – To strengthen industry interactions for up skilling and solving real world problems towards better internship & job opportunities.
M4 – To sensitize all the stakeholders towards ethics, values, harmony, humanity & environment.

ORGANIZING DEPARTMENT SCIENCE & HUMANITIES

DEPARTMENT VISION

To develop competent technocrats by providing quality education for the betterment of society.

DEPARTMENT MISSION

- To inculcate theoretical as well as practical knowledge in students.
- Foster relationship between industry & institute for the benefit of all stake holders.
- Facilitating and encouraging students for continuing education and moulding them for life-long learning.

ABOUT DEPARTMENT

Being a primal department, Science & Humanities Department provides basic foundation to the engineering disciplines/ programs. Students step in the department for first year of engineering journey to have a knowledge of Physics, Chemistry, English, Graphics, Information and Communication Technology, Yoga and Meditation. Department endeavours to inculcate the mindset of ideal engineer and aims to shape the attitude of students to take moral responsibility. Department is committed not only to propagate the quality education but also to inject real-time developments in science. To make the students more competent, department has always been on alert mode to organize different activities.

ABOUT FDP

Recent Trends in Engineering Physics focuses on meticulous understanding of developments in a basic physical science as well as it's applications to turn the human life more enriched. To materialize the potential in universe via research and development, different facets of natural phenomena should be essentially explored. Present FDP takes the holistic approach to make aware the participants about advancements in multi- disciplinary aspects of engineering physics. From infinitesimal world of particles to bulk world, this journey would be super exciting.

Topics/ Contents

Day 1: Semiconducting Nanomaterial for Energy Conversion & Storage
Prof. Dr. B. R. Sanjapal- Professor, Department of Physics, VJIT, Nagpur

Day 2: Silica aerogels and future
Dr. Abhijit A. Phal- Assistant Professor, YCS, Satara

Day 3: Use of spectroscopy in industry
Mr. Yogesh D. Gavali- Anetek India (German Based MNC)

Day 4: Two Dimensional Semiconductors - Photonics & Optoelectronics
Dr. Ranjit Patil- Assistant Professor, National Formosa University, Yunlin, Taiwan

Day 5: Significance of Nanomaterials in engineering
Prof. Dr. Sanjay Patil - Head, Department of Physics, Sanjay Ghodawat University, Atrre (Kolhapur)

OUTCOMES OF FDP

- Analyse the composition in material through spectroscopy
- Recognize the suitable nano-conducting material for desired energy output
- Explore the innovative possibilities in world of nano-science
- Identify the potential Applications of Thin-Film based devices

PLATFORM  Google Meet **TIME**  03.00 PM to 05.00 PM

MAILING ADDRESS
Dr. Bapuji Salunkhe Institute of Engineering & Technology
2150, E Ward, Vivekanand College Campus, Tarabai Park, Kolhapur - 415 003

CONTACT US
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2) Chemistry:

About Institute

BSIET, established in 2009, is a pioneering institution where engineering and technology converge to address real-world challenges. Rooted in the founding motto of Theory and Practice, we strive to impart the latest knowledge in engineering and technology, focusing on its societal impact and improving quality of life. Recognized by All India Council for Technical Education-New Delhi and affiliated with the Maharashtra State Board of Technical Education, our academic programs span across diploma, bachelor's fostering the growth of innovators, inventors, entrepreneurs, and leaders.

In 2023, we marked a significant milestone with the inauguration of our degree engineering college, affiliated to DBATU, Lonere. BSIET offers Bachelor of Technology (B. Tech.) Programs in Computer Science & Engineering CSE (120), Artificial Intelligence and Machine Learning AIML (60), Electrical Engineering (60), Electronic and Computers (60), Electronics and Telecommunication (60). BSIET is committed to provide quality technical education in an outcome-based philosophy including activity-based learning, project and experience-based learning in a conducive spiritual environment.

Situated amidst the vibrancy of a bustling city, BSIET's 5-acre campus offers a convenient central location, providing easy access to urban amenities and nearby industrial areas. Our dedicated faculty, engaged in world-class research work closely with students, offering countless opportunities for hands-on learning and problem-solving. Through project-based learning and a commitment to excellence in teaching and learning, we prepare our students not only to excel academically but also to make a tangible difference in the world through engineering and technology.

Who Can Participate?

- The faculty from degree or diploma engineering with or without BTE Membership can register FDP will be conducted through online mode using Google Meet. Certificates will be provided after successful completion of FDP (Registration, attendance, & feedback is compulsory).
- Registration : <https://forms.gle/GyeXTKtG87hXaJC18>
- Registration : 150/-
- Last Date for Registration : 31st December 2024
- Experts/Experts from academia will deliver the interactive sessions.

Chief Patron

HON. PRIN. ABHAYKUMAR G. SALUNKHE
Chairman, Shri Swami Vivekanand Shikshan Sanstha, Kolhapur

Patron

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Coordinator

PROF. S. T. BIDKAR
Lecturer in chemistry, Science & Humanities

PROF. R. N. SUTAR
Lecturer in chemistry, Science & Humanities

PAYMENT



REGISTRATION



LIVE LIFE CLEANER, MAKE BSIET GREENER

Certificates will be issued after submitting feedback form and test.



Shri Swami Vivekanand Shikshan Sanstha's
Dr. Bapuji Salunkhe
Institute of Engineering & Technology

2130, E Ward, Tarabal Park, Kolhapur - 416 003

MSBTE ACADEMIC MONITORING
RATING-VERY GOOD
BEST INTERNATIONAL PLACEMENTS



ONE WEEK ONLINE FACULTY DEVELOPMENT PROGRAM ON
Recent Advances in Nanotechnology and its Applications
1st to 5th January, 2025
Time: 3 pm to 5 pm (Online)



INSTITUTE VISION

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INSTITUTE MISSION

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ORGANIZING DEPARTMENT OF SCIENCE & HUMANITIES

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About BSH Department

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About FDP

The main aim of this faculty development program is to understand the recent advances, trends and in the field of Nanotechnology. Nanotechnology is one of the increasingly important multidisciplinary area from engineering applications to designing medical devices, to manufacturing super computing devices to better batteries, and from manipulating the atomic molecules to manufacturing. This course is aimed to provide an insight to understand and utilize the unique properties and interaction of matter, and thus their physics and chemistry for the design, analysis, and operation of state-of-the-art next generation electronic and photonic devices. About Department

Outcomes of FDP

Upon the successful completion of this FDP, the participants will be able to

- Identify different types of nanomaterials and their applications using specific mechanical, optical, electro-chemical and physical characteristics within the ranges defined by global standards.
- Analyse the potential of nano-materials and nano-technologies for various engineering applications using specific properties under given circumstances and performance criteria.
- Evaluate the performance of a given nano-material or nano-technology suitable for a given application under given performance criteria such as cost, durability, strength etc.

Topics/Content

Day 1 - Synthesis and characterization of Nanomaterials.
Prof. Dr. V. S. Jamdade, Professor, Head Department of Physics, D. P. Bhosale College, Koregaon
Day 2 - Nanotechnology In Engineering Applications.
Prof. Dr. A. V. Ghule, Professor, Department of Chemistry, Shivaji University, Kolhapur
Day 3 - Nanomaterials for Electronic Devices.
Prof. Dr. T. D. Dongale, Assistant Professor (Assistant Director), Shivaji University, Kolhapur
Day 4 - Nanotechnology in Solar Cells.
Prof. Dr. R. M. Mane, Professor, Department of Chemistry, Shivaji University, Kolhapur
Day 5 - Nanotechnology in Sensor, Batteries and Capacitors.
Prof. Dr. S. N. Tayade, Assistant Professor, Department of Chemistry, Shivaji University, Kolhapur

PLATFORM Google Meet

TIME 03.00 PM to 05.00 PM

The link of each session will be shared to all the participants on a WhatsApp group

MAILING ADDRESS

CONTACT US

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9766043053
science@bsiet.org

Ms. R. N. Sutar
9834975017
[Web: www.bsiet.org](http://www.bsiet.org)

3) Mathematics:

About Institute

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Who Can Participate?

- The faculty members from engineering institutes (Degree or Diploma) FDP will be conducted through online mode using Google Meet. E-certificates will be provided after successful completion of FDP (Registration, attendance, & feedback is compulsory)
- Registration : <https://forms.gle/Y7t1wSSW4tYtMfLPA>
- Registration : 100/-
- Last Date for Registration : 15th January 2025
- Experts/Experts from academia will deliver the interactive sessions

Chief Patron

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Chairman, Shri Swami Vivekanand Shikshan Sanstha, Kolhapur

Patron

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Chief Coordinator

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Coordinator

PROF. S. A. Patil
Lecturer in Mathematics, Science & Humanities

PROF. S. S. Khandekar
Lecturer in Mathematics, Science & Humanities

PAYMENT



REGISTRATION



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Institute of Engineering & Technology

2130, E Ward, Tarabal Park, Kolhapur - 416 003

MSBTE ACADEMIC MONITORING
RATING-VERY GOOD
BEST INTERNATIONAL PLACEMENTS



ONE WEEK ONLINE FACULTY DEVELOPMENT PROGRAM ON
MATHEMATICS BEHIND DEEP LEARNING
20th to 24th January, 2025
Time : 3 pm to 5 pm (Online)



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INSTITUTE MISSION

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ORGANIZING DEPARTMENT OF SCIENCE & HUMANITIES AND COMPUTER ENGINEERING

DEPARTMENT VISION

To develop competent technocrats by providing quality education for the betterment of society.

DEPARTMENT MISSION

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About FDP

Mathematics is the core concept from which Deep Learning algorithms are built upon and is used to express the idea that seems quite obvious, but these are unexpectedly hard to elaborate. Mathematics helps in selecting a correct algorithm considering its complexity, training time, feature and accuracy. This Faculty Development Program will help to understand the basic concepts like matrix decomposition, forward propagation, loss function, backward propagation, multivariate calculus etc. It empowers the participants to understand how mathematics can be used innovatively in machine learning processes.

Outcomes of FDP

Upon the successful completion of this FDP, the participants will be able to

- Explore fundamental concepts of mathematics useful in deep learning application
- Apply appropriate mathematical concepts for a given deep learning algorithm
- Identify the performance related mathematical parameters in given deep learning application
- Explore how a given mathematical parameters can impact the performance of given deep learning algorithm

Topics/Content

Day 1: Geometry and Linear Algebra Behind Deep Learning
Prof. M. A. Jadhav Professor, Department of Mathematics and Computer Science, Vivekanand College, Kolhapur
Day 2: Multivariate Calculus Behind Deep Learning
Prof. S. D. Shinde Professor, Department of Mathematics, Ch. Rajawade Shahu College Kolhapur.
Day 3: Single variable And naive Bayes concept Behind Deep Learning
Prof. M. A. Jadhav Professor, Department of Mathematics and Computer Science, Vivekanand College, Kolhapur
Day 4: Matrix Decomposition Behind Deep Learning
Prof. P. R. Pradnya Department of Mathematics, Dr. Bapuji Salunkhe Institute Of Engineering And Technology
Day 5: Integral Calculus Behind Deep Learning
Prof. Nisha Khan Assistant professor of Department of basic science and humanities Srijanagar group of institutions panvel

PLATFORM Google Meet

CONTACT US

Mr. H. T. Shinde
9766043053
science@bsiet.org

TIME 03.00 PM to 05.00 PM

MAILING ADDRESS

The link of each session will be shared to all the participants on a WhatsApp group

Ms. S. A. Patil
8329306050
Web: www.bsiet.org

4) English:

About Institute

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In 2023, we marked a significant milestone with the inauguration of our engineering college. Affiliated with DBATU Lonere, this new venture offers Bachelor of Technology (B.Tech) programs with specializations including Artificial Intelligence and Machine Learning (AIML), Computer Science & Engineering (CSE), Electrical Engineering, and Electronics and Telecommunication Engineering. This expansion underscores our commitment to providing cutting-edge education aligned with industry demands, empowering students with the skills and knowledge to thrive in today's dynamic technological landscape.

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Who Can Participate?

- The faculty from degree or diploma engineering with or without UETE Membership can register FDP will be conducted through online mode using Google Meet & certificates will be provided after successful completion of FDP (Registration, attendance, & feedback is compulsory)
- Registration : <https://forms.gle/YATxLNUUNRnKQgts>
- Registration : 100
- Last Date for Registration : 20 October 2024
- Experts/Experts from academia will deliver the interactive sessions

Leadership Team

Chief Patron
HON. PRIN. ABHAYKUMAR G. SALUNKHE
Chairman, Shri Swami Vivekanand Shikshan Sanstha, Kolhapur

Patron
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DR. SUHAS G. SAPATE
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Chief Coordinator
PROF. H. T. SHINDE
Head Department, Science & Humanities
Email: science@bsiet.org

Coordinator
PROF. A. R. CHAVAN
Lecturer in English, Science & Humanities

Co-Coordinator
PROF. P. P. KAKADE
Lecturer in English, Science & Humanities

PAYMENT



REGISTRATION



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"गुरु विद्या ज्ञानि सुखदायकं ज्ञानं विद्या प्रसारः"
- विद्या ज्ञानि अ. साधुजी साधुजी

Shri Swami Vivekanand Shikshan Sanstha's,
Dr. Bapuji Salunkhe
Institute of Engineering & Technology

2130, E Ward, Tarabai Park, Kolhapur - 416 003

MSBTE ACADEMIC MONITORING
RATING-VERY GOOD
BEST INTERNATIONAL PLACEMENTS



ONE WEEK ONLINE FACULTY DEVELOPMENT PROGRAM ON
Principles of Educational Psychology.
21st Oct. to 25th Oct., 2024
Time: 3 pm to 5 pm (Online)



INSTITUTE VISION

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INSTITUTE MISSION

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About FDP

Preamble / Introduction
Educational psychology focuses on understanding how students of various age groups and background learn and how educators can design effective instructional strategies to enrich the learning experience of their students. It is concerned with the psychological aspects of teaching and learning process including the ways students process information, knowledge, wisdom etc. and engage themselves in tasks to develop their critical thinking and other skills.

Necessity: Why should we do this?
Educational psychology provides insights into how students process information, develop cognitive skills, and engage with learning materials. Faculty members can use these insights to create teaching strategies that are more effective and tailored to student's learning styles.

Specific Objectives of FDP

- Make the faculty members aware of principles of educational psychology.
- Enable the faculty members to interact with students proactively by understanding their psychology and career goals.
- Encourage faculty members to foster an effective and engaging learning environment in the classroom.
- Determine how principles of educational psychology influence and enrich the teaching-learning process.
- Train educators on techniques to cultivate critical thinking, problem-solving, and independent learning among students.

Outcomes of FDP

Upon the successful completion of this FDP, the participants will be able to

- Identify the diverse needs of the students pertaining to their career goals
- Apply the different principles of Educational Psychology for making the teaching learning process easy and more effective
- Practice different activities in the classroom for enhancing knowledge acquisition and retention of the students.
- Interact more friendly to Encourage and help the students excel in their career by counselling them proactively

Topics/Content

Monday : 21-10-24	Behaviourism Dr. Priya Bawane, Student Relationship Officer @ Pune Business School, Certified Career Mentor Trainer, Certified Soft Skill Specialist
Tuesday : 22-10-24	Cognitivism Dr. Yogeshwar Kulkarni, Assistant Professor in Education, Apeejay Knowledge Campus, Gurukul Kangri, Haridwar
Wednesday : 23-10-24	Constructivism Dr. Nishant Patel, Director, Centre for Distance & Online Education, Bhamburda University, Kolkata
Thursday : 24-10-24	Humanism Dr. Kalindi Rautmare, Associate Professor, D. K. Shinde School of Social Work, Kolhapur
Friday : 25-10-24	Connectivism Dr. R. P. Joshi, Associate Professor, CUBER, Kolhapur

PLATFORM Google Meet

MAILING ADDRESS
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TIME 03.00 PM to 05.00 PM

Web: www.bsiet.org