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Dr. Madhusudhana R
Assistant Professor, Department of Physics, ATMECE

Accommodation

Accomodation will be provided on request basis.

Kindly Contact:

Mr. Prashant R Kaigaddi | Mr. Jayaprakash N
9844283686 | 9742541980

Prof. Hemanth B R | Prof. Rudresh A N
7026251531 | 9743580290

Keynote Speaker

His Holiness Shri. Swami Veereshananda Saraswathi
President, Ramakrishna-Vivekananda Ashrama, Tumakuru

Resource Persons

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Educationist and Social Thinker, Hubballi

Dr. Ravishankar Shenoy
Professor
Muniyal Institute of Ayurveda Medical Sciences, Manipal

Dr. Asheesh Srivastava
Professor, Higher Education Policy &
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ATME®
College of Engineering

ATME COLLEGE OF ENGINEERING, MYSURU

In Collaboration with

Vidya Bharati Uchcha Shiksha Sansthan, Karnataka (R) Bengaluru

&
In Academic Partnership with

Inter University Centre for Teacher Education

(An Autonomous Institution of UGC)
Banaras Hindu University, Varanasi

Organizes

Three-day National level Faculty Development Programme
On

"INDIAN KNOWLEDGE SYSTEM"

From
5th – 7th March 2025

ATME College of Engineering
13th KM, Mysuru - Kanakapura Road Mysuru - 570 028
www.atme.edu.in

About ATMECE

ATME College of Engineering Mysuru, established in the year 2010 is approved by AICTE New Delhi and affiliated to Visvesvaraya Technological University Belagavi, Karnataka. Currently, 10 UG programs and 2 PG programs MCA & MBA are offered to students. ATMECE is re-accredited for 3 years by NBA for Civil Engineering, Electronics & Communication, Electrical & Electronics, and Mechanical Engineering Courses. Computer Science Course is accredited by NBA for 3 Years. ATMECE is proud of achieving accreditation by NAAC with A+ grade and is one among seven engineering colleges in Karnataka and one of the 47 Engineering colleges at the national level granted with A+ in the very First Cycle. ATMECE is an ISO 9001-2015 certified college and is awarded "The Best Emerging Private Engineering College in Karnataka" and "Most Promising Upcoming Private Engineering College in Karnataka" for two consecutive years. ATMECE has secured QS I-Gauge Gold Ranking. The Institution has NABL Certification which is the first of its kind in Mysore region. ATMECE has been listed as one of the "Swachh Institute of the Country". ATMECE has been awarded Silver Band by R World Institutional Ranking in the Sustainable Institution of India (SII)-Green India Rankings 2024. All the Departments in the Institute are recognized as research centers from VTU to pursue MS (Research) and Ph.D. The Institute has received more than 5 crores of external funding for various research & consultancy projects in the last 5 years from government bodies like AICTE, DST, SERB etc. ATMECE has collaborated with more than twenty-five Industries and Institutes across the globe. Students and faculty of ATMECE are actively involved with research and innovation. Around 30 patents are filed and published in the last four years of them a few of the patents are granted. The Institution has been fostering ahead with quality research publications.

About Inter University Centre for Teacher Education (IUCTE)

The Inter University Centre for Teacher Education (IUCTE), BHU, Varanasi is an Autonomous Institution established by the University Grants Commission (UGC) undersection 12 (ccc). Its core mission is to promote excellence in Teacher Education through intervention in Curriculum, Pedagogy, Assessment, Governance, Policy, Planning and Research. IUCTE envisions cultivating quality educators who contribute to a sustainable ecosystem, thus reshaping the Education System in India. IUCTE plays a pivotal role in enhancing the Quality of Teaching and Research, Technology Integration in Education, Advisory Services, National & Global Collaborations, and Influencing the Policy Changes to advance the field of education in general and Teacher Education in particular.

About Vidhya Bharati Uchcha Shiksha Sansthan (VBUSS)

Since 1952 Vidya Bharati has been promoting Bharat-centric education through its various schools and teacher training college. It focuses on holistic student development based on Indian educational philosophy and has a significant presence in school education across the nation. Vidya Bharati has been running Saraswati Shishu Vatikas, Saraswati Shishu Mandirs and Saraswati Vidya Mandirs (Secondary and Senior Secondary schools). There are 25 teacher's training colleges for producing skilled and efficient teachers. Inspired by the Vidya Bharati, the Vidya Bharati Uchcha Shiksha Sansthan (VBUSS) was established in 2018 as a socio-educational organization aiming to revitalize the Bharat-centric higher education in India. The VBUSS steadfastly working to integrate the Bharatiya Gyan Parampara (Indian Knowledge Tradition), Bharatiya philosophy, and Bharatiya life values into the modern higher education system. The VBUSS dedicatedly working to create a Bharat-centric educational ecosystem by collaborating with higher education institutions and stakeholders in the fields of – educational policy, academic, research, publications, faculty training and institutional capacity building, and striving to establish centres of excellence that blend ancient and modern, traditional, and non-conventional, and oriental and occidental knowledge. In the state of Kanrataka, the VBUSS-KARNATAKA (R) has been actively engaged and exerting diligent efforts towards this.

About Indian Knowledge Systems (IKS)

The National Education Policy (NEP) 2020 emphasizes integrating Indian Knowledge Systems (IKS) into STEM, engineering, and technical education. It promotes multidisciplinary learning, drawing from India's heritage in science, mathematics, architecture, metallurgy, and sustainability. Engineering & Technical Institutions are incorporating Vedic mathematics, Ayurveda-based biotechnology, and temple architecture into curricula. NEP also encourages research in Sanskrit texts, indigenous technologies, and traditional craftsmanship to foster innovation. By blending modern advancements with India's intellectual traditions, this approach strengthens STEM education, ensuring a globally competitive, culturally rooted learning ecosystem.

About Faculty Development Program

Indian Knowledge Systems (IKS) (Bhāratīya-Jñāna-Parampara) encompasses the treasure of knowledge in various disciplines that emerged systematically from the ancient times in India over generations. IKS as a theme and topic of interest has emerged as one of the important components of Contemporary Education. It is one of the "verticals" under NEP-2020 in Higher Education in India. The upside of this is the vast literature (predominantly in vernacular media), practices and artifacts available related to IKS. The downside of this is a diametrically opposite situation concerning IKS as related to the STEM domain. It is here that Engineering and Technical Education has been on the backfoot, Unable to address issues of concern in IKS from a STEM point of view.

Contents of FDP

- Introduction to Indian Knowledge Systems (IKS) and NEP 2020.
- Scientific and Mathematical Foundations in Ancient India.
- Traditional Indian Engineering, Architecture, and Technology.
- Health Sciences, Ayurveda, and Biotechnology.
- Implementation Strategies for IKS in Curriculum, Pedagogy & Assessment.

Objectives of FDP

- To familiarize faculty with the principles of Indian Knowledge Systems (IKS) and their relevance in STEM, engineering, and technical education as per NEP 2020.
- To introduce faculty to India's historical advancements in mathematics, astronomy, architecture, metallurgy, and sustainable engineering and their modern-day applications.
- To equip educators with effective teaching methodologies that blend traditional Indian knowledge with contemporary STEM and engineering curricula.
- To encourage faculty to engage in interdisciplinary research, curriculum development, and innovation by integrating IKS into higher education programs.

Expected Outcomes of FDP

- Participants will gain a comprehensive understanding of Indian Knowledge Systems (IKS) and their applications in STEM, engineering, and technical education as per NEP 2020.
- Faculty members will be able to incorporate IKS concepts into their lesson plans, course content, and interdisciplinary projects, enriching technical education with India's intellectual traditions.
- Teachers will be equipped with new teaching methodologies, including experiential learning, case studies, and project-based approaches, to blend IKS with modern STEM education.
- The program will inspire faculty to engage in research, publications, and collaborative initiatives related to IKS, indigenous technologies, and sustainability, fostering innovation and knowledge dissemination.

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Registration Details

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IFSC Code: HDFC0000065
Beneficiary: ATME COLLEGE OF ENGINEERING

Last Date For Registration

25th February, 2025