



NATIONAL INSTITUTE OF TECHNOLOGY TIRUCHIRAPPALLI

Department of Humanities & Social Sciences

ONE DAY VIRTUAL CONCLAVE

Integrating Humanities in STEM: Suggestions from NEP 2020 for S&T Institutes

10 November 2024

National Institute of Technology (NIT), Tiruchirappalli

National Institute of Technology, Tiruchirappalli (NIT Trichy) founded in 1964 is a public technical and research university in Tamil Nadu, India. It is one of India's oldest technical universities and is located at Tiruchirappalli in a campus of 800 acres. The university is recognized as an Institute of National Importance by the Government of India. The university focuses exclusively on science, technology, engineering, management, architecture and humanities. National Institutional Ranking Framework ranked the university 1st among the NITs in India in 2023. Federation of Indian Chambers of Commerce and Industry named the university as the "University of the Year" in 2017. The university has academic and research collaborations with universities and research centres in India and abroad including the United States and the United Kingdom and is undergoing accelerated growth through the World Bank-funded Technical Education Quality Improvement Program (TEQIP).

Department of Humanities & Social Sciences

The Department of Humanities and Social Sciences has been in existence since 2004. The department is known for independent interdisciplinary research and for a dynamic collaboration between faculty and students. To meet the existing demands of industry, business, public and private organizations, academic and human services, the department has constantly striven for a practical curriculum with a high degree of professional relevance, enabling students to face real-time challenges. Accordingly, the department has been offering a wide range of core and elective courses to undergraduates and graduates. The department has been offering a full-fledged Ph.D. program since 2004 and has produced quality research work in newer areas of Humanities and Social Sciences. Recognizing the growing demand for humanities-based courses, the department also offers minor degree courses in Economics and in Language/Literature. In 2020, the Department of Humanities and Social Sciences started an MA programme in English Language and Literature. Faculty in the department are committed teachers engaged in continuous research in niche areas like Language and Genetics, Health Humanities, Gender Studies, Cultural Studies, English and Employability Skills, Critical Pedagogy and Aviation English.

About the Programme

The greatest outcome of a multidisciplinary curriculum is the cultivation of 'wisdom'—an integration of knowledge and essential human qualities. This holistic approach empowers participants to tackle real-life challenges rather than focusing solely on idealized experiments and scenarios. The National Education Policy (NEP) 2020 emphasizes the significance of merging humanities and STEM disciplines, aiming to harmonize reason and emotion and thereby fostering compassionate, caring, and employable learners. The holistic vision of NEP 2020 extends beyond subject-specific learning; it aspires to transform universities into multidisciplinary hubs, supported by innovative curricula and teaching practices. However, this transition towards multidisciplinary and holistic education is fraught with challenges. Currently, many universities exhibit a strong compartmentalization between disciplines and a notable lack of flexibility. This conclave aims to assist institutions, faculty members, researchers, and various stakeholders in identifying and implementing best practices for integrating humanities and STEM. Our goal is to align science and technology education with the holistic vision outlined in NEP 2020 so that together we can create a framework that fosters multidisciplinary and prepares learners to engage meaningfully with the complexities of the modern world.

Registration Details

- There is a non-refundable registration fee of INR 500 for faculty Members and INR 250 for Research Scholars and PG Students for this One-Day Virtual Conclave.
- On completion, participants will receive e-certificates.
- After the payment, participants should fill up the online application form by using the link given below with all required details on or before **November 7, 2024**.

[Click here to register](#)

<https://forms.gle/6RwCpEHyo7w9M1Ye37>

OUR PATRON



DR. G. AGHILA
Director, NIT Tiruchirappalli

Programme Convenors

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OUR PANEL OF SPEAKERS



PROF. ANIL D. SAHASRABUDHE
Chairman, NETF



PROF. MADHAV DAS NALAPAT
Manipal University



PROF. PRAMOD K. NAYAR
University of Hyderabad



DR. BHAVANI RAO R.
Amrita Vishwa Vidyapeetham



PROF. K. V. JAYAKUMAR
IIT Dharwad



PROF. V.N. RAJASEKHARAN PILLAI
Somaiya Vidyavihar University



DR. V.K. KARTHIKA
NIT Tiruchirappalli



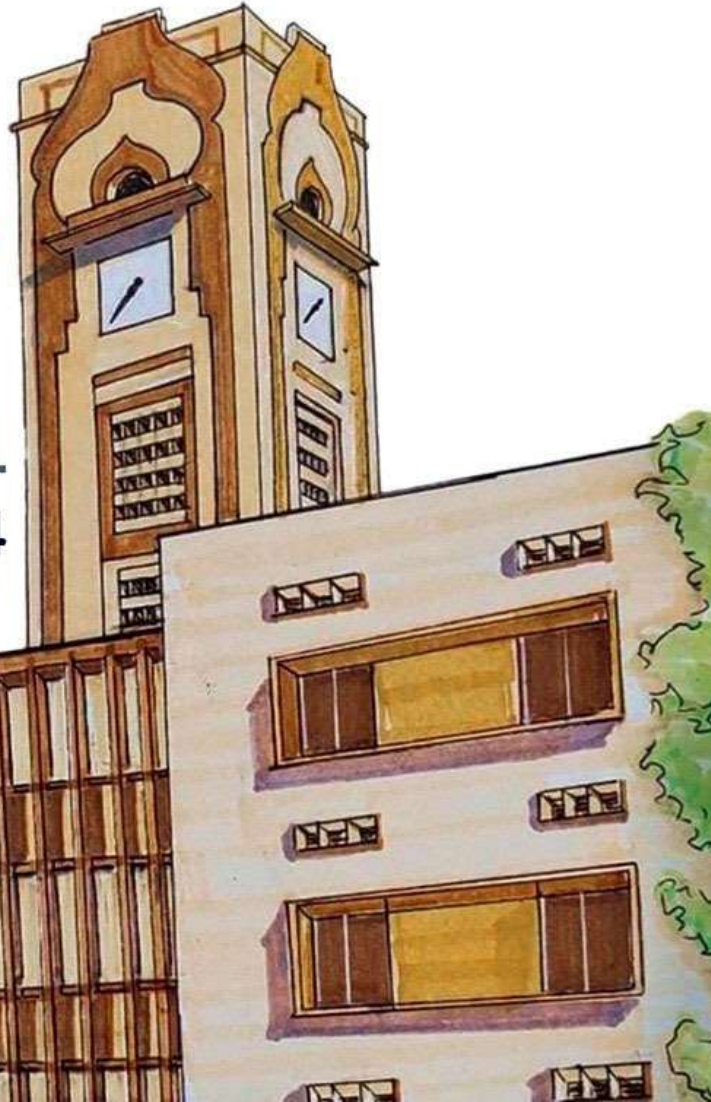
DR. R. MURUGESAN
NIT Tiruchirappalli

PROGRAMME SCHEDULE

Date	Time	Topic	Speaker
10/11/2024	10.30 – 11.45	Importance of Humanities in STEM Education	Prof. Anil D. Sahasrabudhe Chairman of National Educational Technology Forum (NETF), Chairman of EC, National Assessment and Accreditation Council (NAAC) and Chairman NBA
10/11/2024	11.50 – 13.00	Humanity as the Core of the Humanities: Reclaiming Our Focus	Prof. Madhav Das Nalapat Director of Department of Geopolitics and International Relations, UNESCO Peace Chair at Manipal University, and Vice-Chair of Manipal University's Advanced Research Group
10/11/2024	14.00 – 15.15	NEP 2020, Humanities and the Global	Prof. Pramod K. Nayar UNESCO Chair in Vulnerability Studies and Professor, Department of English, University of Hyderabad, Fellow of English Association, Fellow of Royal Historical Society
10/11/2024	15.20 – 16.30	Gender Inclusivity, Equitable Quality Education and NEP 2020	Dr. Bhavani Rao R. UNESCO Chair in Gender Equality and Women's Empowerment, Dean, Schools of Social & Behavioral Sciences, Amrita Vishwa Vidyapeetham, Amritapuri and Coimbatore
10/11/2024	16.40 – 17.50	Holistic Education and the Role of the Humanities: Insights from NEP 2020	Prof. K.V. Jayakumar Visiting Professor and Outreach Advisor, IIT Dharwad, Member, Governing Body, Wetlands International South Asia, Former Professor and Dean, NIT Warangal
10/11/2024	17.50 – 18.30	Humanities in STEM: Cultivating Critical Thinking, Creativity, and Cultural Insights	Prof. V.N. Rajasekharan Pillai Vice-Chancellor of Somaiya Vidyavihar University, Mumbai Former Chairman and Vice-Chairmans of UGC, Former Vice-Chancellor of IGNOU and MG University, Kottayam

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Student Co-ordinators

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Ms. Haritha Das (8281457163)



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