MTech ET

MTech Educational Technology

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Technology is impacting education as never before. Today, it is not just the means of imparting education, but it is also changing the very manner in which learning environments can be designed. The worlds of education and technology have converged to such an extent that 'Education Technology' (ET) is an emerging field of knowledge that has the potential to transform the way in which educational institutions teach and students learn, and the way in which organisations conduct business.

Today, organisations across the globe are increasingly placing emphasis on how best to process enterprise information and to mould it to enhance internal efficiency and productivity. As education undergoes a seismic change to keep pace with rapidly growing technological advances, innovation has become the key factor that distinguishes the front runners. As such, there's a pressing need for Education Technology professionals who can design learning and information systems that enable organisations to improve work processes to bring about a quantum change in both efficiency and productivity.

NIIT University's (NU) MTech (ET) programme enables its students to assess, design and implement new media and technology initiatives to create effective learning solutions. It is specially designed to create an extraordinary learning architecture that promotes customised improvement in work functions as per institutional requirements.

NU's MTech (ET) programme prepares students to become effective learning professionals and domain specialists who can develop superior work-integrated technology solutions for

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professional advantage.

The programme

- Aligns learning exercises to learners' work function

- Leverages the power of technology to get a multiplier effect in learning

- Encourages learners' information orientation and processing capabilities to improve decision making and value creation

- Allows learners to assimilate knowledge in an extended knowledge realm

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I am an accomplished University Education Assistant Professor successful at teaching graduate, postgraduate, and doctoral students with eighteen years of professional and teaching experience. My Fulbright post-doctoral programme in the USA led me to pursue an MTech ET program at NIIT University to extend my expertise in the advanced abilities of educational technology. In contrast to other universities, NIIT's MTech ET programme adds value to the Teaching-Learning Process by utilizing an experiential learning and reflection-based approach to teaching. The curriculum enables me to address the requirement for new, higher-order skills and competencies necessary for pupils to succeed in today's rapidly changing information economy. Moreover, as a research guide, I am able to apply the novel approaches and strategies I learned during the programme to a variety of educational levels, from primary education to Ph.D. programmes.

Divya
Student, MTech ET
NIIT University

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Programme outcomes

NU's postgraduate programmes in Engineering are designed to provide students with a thorough understanding of course methodology and techniques. It is expected that postgraduate students will exhibit the following programme outcomes.

PO1

The ability to independently carry out research /investigation and development work to solve practical problems.

PO2

The ability to write and present a substantial technical report/document.

Programme outline

The two-year, four semester programme offers 74 credits.

Course category	Educational Technology		
	No	Credits	Approx. %
Common Institutional Courses	4	11	15
Professional Core Courses	11	31	42
Professional Electives	3	9	12
Open Electives	1	3	4
R&D Project	3	8	11
Internship/Thesis	1	12	16
Total		**74**	**100**

Professional core courses

Principles and Practices of Learning Engineering

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Mobile Learning and its Applications

Learning Strategically

Web Design and Programming

Applied Instructional Design

E-Learning Tools and Techniques for Online Learning

Integrity Learning System

ET Leadership

Assessment and Certification

Seminar Course in Self-directed Learning Reflecting

Professional electives

ICT for Education

Multiple Intelligence and Learning Disabilities

Integrity Learning System

Neural Basis of Learning

Independent Reading Course 1

Independent Reading and Writing Course 2

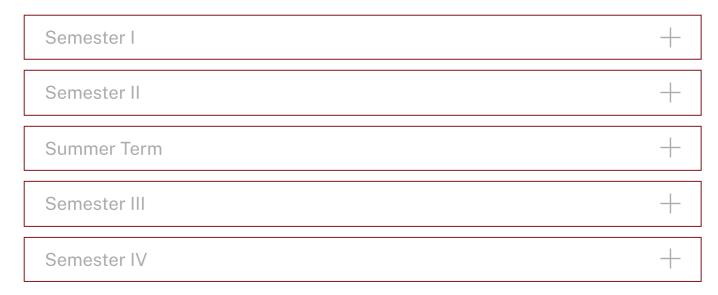# NU offers two specialisations within the programme, namely:

Teaching Learning Process Innovation [TLPI]
A unique school-sponsored, technology-oriented, multi-disciplinary programme, TLPI aims to build the ICT competence of teachers to create educators par excellence. The programme offers experiential learning and reflection-driven approach to teaching so that both teacher and learner process smarter information and construct knowledge.

Business Model Innovation [BMI]
This organisation-sponsored, technology-oriented multi-disciplinary programme is specifically designed for 21st century professionals and aims at improving work effectiveness and creating an integrated learning organisation. The transformational process includes R&D projects, Industry Practice and other cocurricular components that help create exceptional leaders trained to operate in a complex technology-oriented business environment.

Programme architecture

Semester I	+

Semester II	+

Summer Term	+

Semester III	+

Semester IV	+

FAQs

Why is NU offering this programme? ⌄

Whom is this programme for? ⌄

What are the key generic benefits of the MTech ET programme? ⌄

B Tech Degree Programme

BBA Programme

BTech Biotechnology

BTech Computer Science & Engineering

BTech Cyber Security Programme

BTech in Data Science

BTech. Electronics & Communication Engineering (ECE) Programme

Doctoral programmes

iMSc

Industry-linked programmes

Integrated MBA

Integrated MTech

Learn From Educators

Learn from Masters

Lifelong learning

MBA (ISDE) with Coforge Ltd

MTech (Cyber Security) with Infosys Ltd

MTech Geographic Information Systems (GIS)

PhD in Biotechnology

PhD in Comp. Sci and Engineering

PhD in Educational Technology

PhD in Electronics & Communications

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PhD in Humanities and Social Sciences

PhD in Management Sciences

PhD in Mathematics and Basic Sciences

Post Graduate Diploma (Banking & Finance) with ICICI Bank

Postgraduate diploma with Axis Bank

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