

## M-Tech Nanotechnology

### About M. Tech Nanotechnology (Brochure)

The M. Tech. Nanotechnology with special emphasis on Nanoelectronics and Nanophotonics is offered by School of Electronics Engineering at Vellore Institute of Technology, Vellore. Nanoelectronics and Nanophotonics are the most promising and emerging areas with a bright future. So far **ten batches** with a total number of more than **300** students have graduated.

In the Indian scenario, nanotechnology based industries are still in their infancy. Students are also trained to carry out frontier area of research and excel as scientists. As a result, to large extent students completing this course can take up a career in scientific research in organizations ranging from world renowned research labs / universities and industrial R & D centres of MNCs. They are also sought after by the very good Educational Institutions for teaching programme.

The curriculum is designed to cater the requirements of students to understand the fundamentals and advances in nanotechnology during initial 15 month period followed by 9 months research oriented projects. The students gain hands-on experience in nanomaterial synthesis, handling of sophisticated equipment such as AFM, STM, SPM, device modelling and simulation software as part of the curriculum. This training helps our students to get coveted opportunities in foreign and premier Indian universities and research institutions.

The Centre has received a grant of INR 294 lakhs from Department of Science and Technology (DST), Government of India, under Nano Science and Technology Initiative (NSTI) for the postgraduate teaching programme (M. Tech. in Nanotechnology) in the year 2006. Meritorious students admitted to M. Tech. Nanotechnology were provided with a monthly scholarship.

Based on the effective utilization of the first phase of funding from DST, the Centre was chosen to receive a grant of INR 462 lakhs (for infrastructure development and student scholarship) in the year 2015. This funding will be for a period of 6 academic years (Upto 2020).

INFINITE  
OPPORTUNITY BETWEEN  
ATOM AND UNIVERSE

Masters of  
NANO  
Technology  
at  
VIT  
Vellore Institute of Technology

QS STARS  
RATED FOR EXCELLENCE

Consistently, VIT received  
4-STAR rating from QS, the  
international ranking agency.

MHRD  
Govt. of India

Ranked No.1 Private Engineering  
Institution by MHRD, Govt of  
India (NIRF-2018, 17, 16 ranking)

Alumni of M. Tech Nanotechnology and Doctoral studies at CNR have secured various position in Industries and prestigious institutions.. Here is *a partial list of hand-picked alumni* in various profiles.

We request our alumni to fill their details in the following link: Alumni New registration: [Google link](#)

<b>Name</b>	<b>Position Institute/Industry</b>	<b>Country</b>
Chella Santhosh	Postdoctoral Researcher, University of Eastern Finland	Finland
Sozaraj Rasappa	Postdoctoral Researcher, Tampere University of Technology	Finland
Mangaiyarkarasi Rajendiran	Postdoctoral Research Fellow, Oklahoma State University	USA
Jobin Varghese	Post Doctoral Fellow, University of Oulu	Finland
Victor Ishrayelu	Post Doctoral Fellow, University of Nantes	France
Phani raja muppalla	Ph.D, University of Innsbruck	Austria
Bogireddy Naveen Kumar	Ph.D, UAEM, Morelos	Mexico
Attili Ramkiran	Ph.D, Universiti Malaysia Pahang	Malaysia
Rachit Bansal	Ph.D, Macquarie University	Australia
KMohit Rameshchandra	Doctoral Fellow, NUS	Singapore
Gririraj Manoharan	Doctoral Fellow, University of Osnabrueck	Germany
Arnab Biswas	R&D Engineer, Infineon AG, Munich DE	Germany
Gummadi Ramya	Doctoral Fellow, International Iberian Nanotechnology Laboratory	Portugal
Anchu Ashok	Doctoral Research Fellow, Qatar University	Qatar
Chandan Abhishek Pandey	Ph.D, Albert Fert Research Institute, Spintronics Research Centre	China
Shradha Chandrashekhar Koli	Ph.D, Albert Fert Research Institute, Spintronics Research Centre	China
Sandeep kumar chaluvadi	Ph.D, GREYC-CNRS-ENSICAEN, Universite de Caen, Normandy	France
Manoj Badrinath Kale	Ph.D, University of Chinese Academy of Sciences	China
A. Muneendra Prasad	Doctoral Fellow, University of Waterloo	Canada
Nandagopal S	Application Support Executive, IISER, Trivandram	India
Monika Gadewal	Research Associate, Chemical Department, IIT kanpur	India
P Rudra Pratap Babu	Lecturer in physics, Vijyawada	India
Yogesh Ram Gopal Singh	Senior Research Associate, IIT Kanpur	India
Rajashekar	Asst. Professor, Ayyan college	India

Ann Miriam James	IT Professional, Accenture Services Pvt Ltd, Bangalore	India
Abisegapriyan	Junior Research Fellow, CSIR-CECRI	India
Reshm Sunil Konjari	Research Associate, IIT Bombay	India
Meenakshi Pundir	Research Scientist - University of Petroleum and Energy Studies, Dehradun	India
Balamurugan P	Postgraduate Trainee, ARCI, Hyderabad.	India
Raja Guluru	Indian Railways	India
Raimy Roy	System Engineer, Infosys, Trivandrum	India
Sajan Allan Roy	IT, Senior Systems Executive, Bengaluru	India
Sasikala N T	Assistant Professor, SriMuthukumaran Institute of Technology	India
Priyavand Bundela	Assistant Professor, Oriental Institute of Science & Technology, Bhopal	India
S. Boominatha sellarajan	Research Associate-DMRL-DRDO, Hyderabad	India
Uma Harikrishnan	Deputy Manager R&D, Carborundum Universal Limited	India
Swati Parmar	Senior Research Fellow, IISER, Pune	India
Pradeep kumar dammala	Post graduate trainee, ARCI-Hyderabad	India
Nafis Ahmed	Research Scientist, SSN College of Engineering,	India
R Murugasami	SRF, NIT, Trichy	India
Thrinathreddy Ramireddy	Scientist, ARCI, Hyderabad	India
Anju Gupta	Director/CEO, Alkharizm Technologies, Hyderabad.	India
Balaji Janakiraman	Service manager, Advanced photonics, Chennai	India
Raghuvaran Krishnan	Software Engineer, Standard Chartered Bank	India
Venkata R Archakam	Technical Consultant, ADP India	India
Kishan Menghrajani	Doctoral Research Fellow, University of Exeter	UK
Suresh Maniarasu	PhD, University of Manchester	UK
Ashuthosh Wadge	PhD, Magtop Research Foundation, Warsaw	Poland
Charu Shila	PhD, IIT Indore	India
Krishna	PhD, IISc, Bangalore	India
Shakthi Swarup	Postdoc IISc, Bangalore	India
Shruthi	PhD IISc Bangalore	India
Aparna M L	Assistant Professor, SSCET, Kalady	India
Anjali Ayyappan	Development Engineer, NPOL-DRDO	India
Rajvaradhan	Research Fellow, IIT Karagpur	India
Arun R	System Manager, CTS, Chennai	India
Ragavendran S	PhD, University of Lille	France

Ramshakar	PhD, University of Cork	Ireland
Neha Rangam	Marie Curie Fellowship (PhD), Polish Academy of Science.	Poland
Johneph Sukham	PhD, University of California, San Diego	USA
Venkata sai avvaru	Research Assistant at IMDEA Materials	Spain
Prabhanjan Kulkarni	SRF at National Aerospace Laboratories, Bangalore	India
Bishakha Ray	JRF at DIAT-DRDO Lab	India
Jeethu Jiju	Doctoral Researcher, University of Montpellier	France
Vinay Babu	Senior Technical Associate, Clairvalex, Bengaluru	India
Saravanan Rajamani	National Postdoctoral Fellow, IIT Jodhpur	India
Sandeep Mandava	Strategic Intellectual property research, Dolcera, California	USA
Meenakshi Upadhyaya	University of Massachusetts, Amherst	USA
Nidhin Divakaran	Graduate Research fellow Chinese academy of Science	China

Apart from this, some of the students are placed in IT companies based on their choice of career.

More details visit: <http://staging.vit.ac.in/school/course/sense/pg>