



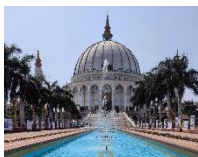
Dr. Vishwanath Karad

**MIT WORLD PEACE
UNIVERSITY** | PUNE

TECHNOLOGY, RESEARCH, SOCIAL INNOVATION & PARTNERSHIPS

MASTERS PROGRAM IN TUNNEL ENGINEERING





Why Choose Tunnel Engineering?



- **Fastest Exponential Growth in market size of Tunnels & Underground Infrastructure in India- Driven by spurt in Investments in Roads, Railways, Metros, Hydropower, Irrigation, Water supply and Sewerage Sectors**

- **According to a Industry Research- over 1648 tunnels spanning 3500 kms presently in various stages.**
- **Unprecedented Rapid Urbanisation of cities-Dense & Overcrowded overground space makes Underground metros and sub terranean roadways an inescapable and preferred option.**

- **Metros presently contributes 218 projects with 350 plus underground stations and 500 plus kms of tunnels.**
- **To support the energy demands the Hydropower sector with maximum tunnel length will almost double.**

- **However, the industry faces a huge scarcity of native tunnellers as the human resource is unable to keep pace with the demands from the industry. With 'Make in India ' initiative of the present Govt there is only an exorbitant want for Talented tunnellers.**



Never Before Was There Such an Opportune Moment to Enter the Underground As It Is Now.

Department of Tunnel Engineering, MIT WPU; comprehensively structured program will ensure that You are Not only Industry Ready but also equipped to take on the Challenges of the Underground Space and Tunnel Engineering.



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Why Do it From MIT World Peace University?



Experienced Faculty including ones from International Repute



State of Art laboratories



Industrial Site Visits



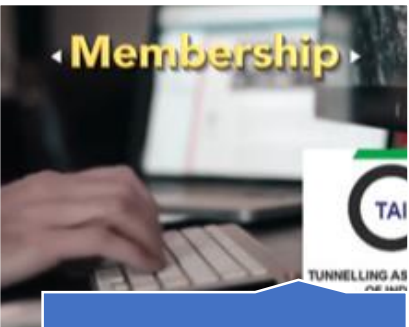
Training On Real time Mini Projects



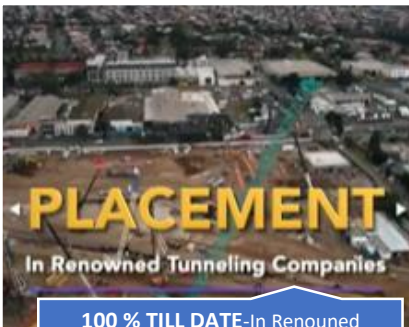
Exposure from Chennai to Tunnels in North Such as Pandoh-Takoli and Rohtang



On the Job Training



TAI, TALym, IGS Chapters



100 % TILL DATE- In Renowned Tunneling companies like AFCONS, TATA projects, L & T, NHIDCL, Pune Metro & Mumbai Metro etc





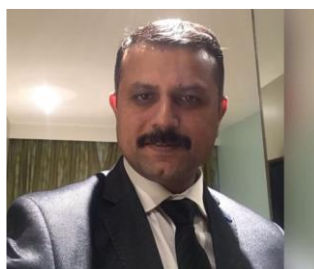
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'The illiterate of the 21st century will not be those who cannot read and write, but those who cannot learn, unlearn, and relearn.' -Alvin Toffler



Shri Rakesh Kumar Khali,
VP Operations (Tunnels),
GR Infra, 30 years In Tunnel
Industry



Col Sachin Gavhane, Indian
Army, 26 Years in Service
to the Nation



Shri Chandan Vaidya, Asia
Head, Baekaert India.



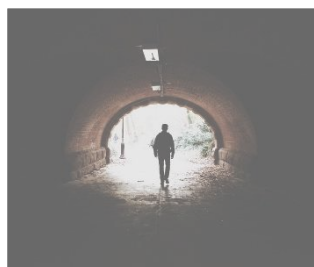
Shri Shakeel Chauhan,
Add. VP (Projects), Patel
Engg Ltd.



Mrs. Rupa Parmanik,
Dy CE at BMRL, Bangalore



Shri Swarup Maiti, Design
Head, Gulermak India



Why Not You ?

Our Alumni- Our Ambassadors

*If you Have it in You to
Think Deep*

*MIT WPU's Tunnel
Engineering
Programme*

*Is Where You Should
be...!*



Er. Rushi Randeria,
Tunnel Design Engineer,
Gall Zeidler Consultants



Er. Ela Bora,
Dy Manager (Metro & Tunnels),
TATA Projects Ltd



Er. Satyashil Patil,
AFCONS Infra Ltd



Er Saurabh Yele, Tunnel Design
Engineer,
Geoconsult India Pvt Ltd



Er. Pooja Wani,
Geo Technical Engineer (UG),
Amberg Engg



Sr Er. Sharada Niphade,
L&T Constructions



Er. Lalita Mahale,
Design Engineer,
Lombardi Engineering India Pvt Ltd



Er. Aakash Verma, Tunnel Engineer,
Hindustan Consulting Associates'



Er. Ganesh Kundaleshwar,
Sr Mgr, Technical Services,
Master Builders Solutions India



Er. Yashwant Dadi,
Geotechnical Engineer,
Infinite Civil Solutions Pvt Ltd



Er Vijay Sunkurathri,
Asst Mgr, Patel Engineering



Er Khemali Firke,
Geotechnical Design Engineer,
Terranova Consultants

*The Path To The Top
Goes from
Beneath(Underground)*

*Campus Placement
with packages have
recorded Pay
Packages from 6 lakhs-
18 Lakhs (in year 2023)*

What Experts had to say ?



Hon. Shri. Nitin Gadkari
Minister of Road Transport
and Highways, Govt. of India

"India Needs Sound Tunnel systems at strategic locations and tunnel works worth over Thousands of Crores will be undertaken in next 5 years.

I appreciate the initiative of MIT WPU to start unique program in Tunnel Engineering. It is need of the hour"



Prof. Dr. Robert Galler,
Head of Subsurface Engineering,
Montan University, Leoben

"I would like to congratulate MIT WPU for their strong commitment towards developing the excellent training of tunnel engineers in India. Considerable efforts are made by the faculty members to engage actively in the activities of International Tunneling Association (ITA). I am glad to know that all the students of this unique tunnel engineering program in India are placed in reputed Infrastructure companies. I congratulate all these students and wish them a bright career"



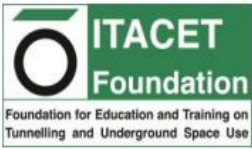
Dr Arnold Dix
President, ITA

"During my visit to India, I am brutally struck by one aspect of the Indian story that strikes me right in the face. What I thought a distant goal 10 years ago is being achieved enabled by the strategic use of tunnels and underground space. Be it with Hydropower, Roads, Railways/Metros, and water these underground projects are delivering a bright future in humongous numbers. I truly appreciate and give credit for the foresight of MIT WPU in designing and delivering an apt syllabus of Master's Programme in Tunnels to suit the needs of the UG Space/Tunnel Industry. I have interacted with the students around the world and can vouch for theirs and India's bright future" Prof. Arnold Dix

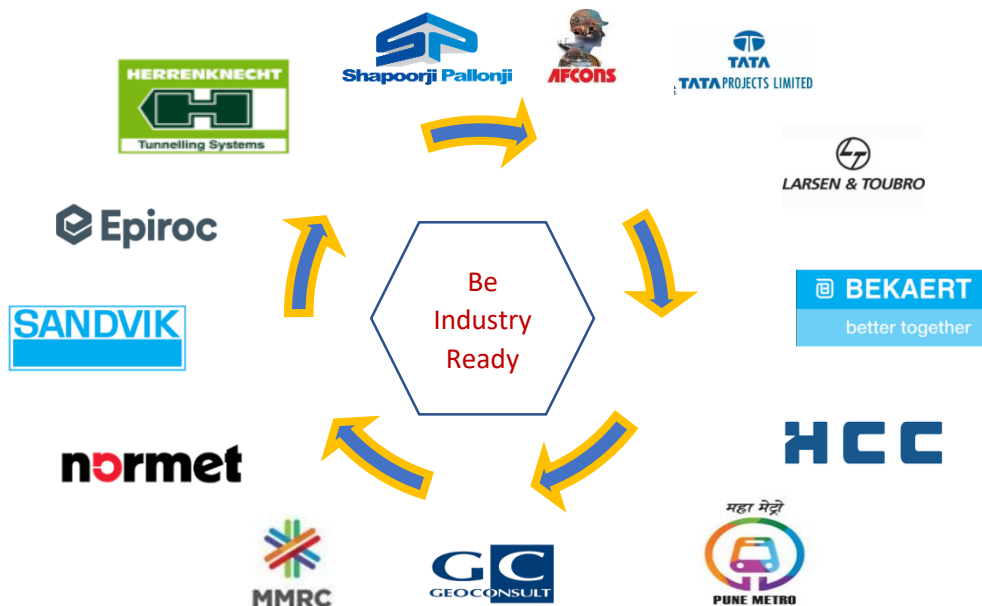


Dr. Bineshian Hoss
Principal Technical Director,
Amberg Engineering, India.

"What started in 2015 as a SME to USBRL Project, I could not leave India till date as my involvement enlarged to several underground projects getting announced every day. India has selected an absolute correct approach in becoming developed Nation by focussing on Infrastructure through tunnelling and Underground space. I have seen recently a number of academic and professional organisations trying to take part in this movement. I strongly believe MIT WPU did best by understanding the need long back by establishing and offering practical courses and Masters' program in tunnelling. India's high potential for underground projects for rail, road, metro, power, and water; proves the need for well-educated tunnel/ UG space engineers and engineering geologists that MIT WPU can produce".
Dr Bineshian, Hoss



Our Collaborations with the Elite will Ensure that you will not only Learn the Ropes with the professionals in the field but shall also be welcomed to work by the Stalwarts of the Industry



M.Tech Tunnel Engineering Programs Highlights

- ✚ Two Years, Four Semesters FULL Time Programmes.
- ✚ Excellent Blend of Lectures from Highly Knowledgeable Professors to experienced experts of National & International repute.
- ✚ Research Oriented syllabus

- ✚ Un Conventional & Unique Style of Experience based learning.
- ✚ Astounding Internship Opportunities with Reputed Brands in The Industry.
- ✚ Concept to Practical Utility Practice – Industry Based Syllabus.

- ✚ Training on Latest State of Art Softwares like RocScience, Plaxis and Building Information Model (BIM).
- ✚ 2- 4 Days workshop every year with International Panellist from ITA (International Tunneling Association) and TAI (Tunnelling Association Of India)
- ✚ Student Professionals from Industry and Army shall be your Batchmates- providing unprecedented Peer Learning opportunities.
- ✚ Frequent Industrial Visits to teach the Applications of Theoretical Concepts to Practical Solutions.
- ✚ Opportunity to Submit Research papers in World Tunnel Conferences.

- ✚ Digital Library Support with subscriptions from Science Direct, Elsevier, Research Gate etc for Research projects of the students.
- ✚ Panel Discussions and Lectures from Tunnelling Professionals of Re-nowned Organisations like Afcons, Tata projects, L&T, RITES, HCC, Geoconsult, AECOM for Students
- ✚ Wholistic Developments Through Subjects like Peace In Communications, Project Finance & Accounting Systems, Slope Stability, Numerical Modelling, Research Methodology: Tunnelling Contract Management & Health Safety and Risk Managements in Tunnels.

We at MIT WPU believe in Training our students to Meet the Contemporary Needs- A Tunneller who is Professionally competent, updated with Industry norms, Adaptable yet passionate about his task -Ready to shoulder and contribute to a team in Disparate & Challenging Underground Environment.

Our Inspiration



Inauguration of MIT School of Subsurface (Tunnel) Engineering at the august hands of Hon. Shri. Nitin Gadkari, Union Minister for Road Transport & Highways, Govt. of India.



*The Prosperous Sanctuaries of the Future shall Flourish
in the Underground Space*

M. Tech. Tunnel Engineering Students Internships

- Afcons Infrastructure Ltd | Pandoh Takoli Bypass Road Tunnel, Himachal Pradesh, India.



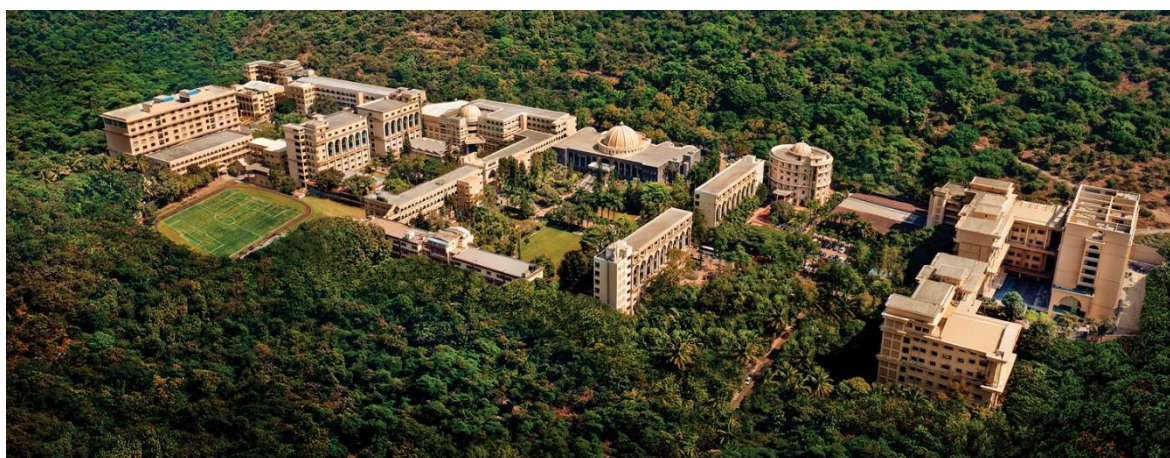
- TATA Projects Gulermak JV Ltd | Pune Underground Metro Rail Project, Maharashtra, India.



About MIT-WPU

With a rich legacy of 40 years in fostering world-class academic excellence and over 100,000 alumni across the globe, MIT-WPU is one of the premier institutions of higher learning in India offering Undergraduate, Postgraduate, Diploma, and Ph.D. programmes.

Uniquely positioned as one of the first universities across the world that offers the highest standard of professional education ingrained with the postulates of peace studies, MIT-WPU



enables an inclusive culture of dignity, fairness, and respect amongst its students, grooming them into future-ready, responsible citizens of the world. Here, all learners have access to high impact experiential learning that combine academic offerings with yoga and meditation courses, multiple sporting opportunities, academic and cultural clubs, and year-round on-campus events aimed at strengthening the foundational development of all its students.



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M.Tech (Tunnel Engineering Programme)



BUILDING THE WORLD
BENEATH OUR FEET