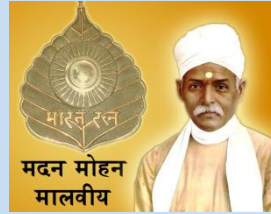




Government of India
Ministry of Human
Resource Development



Dr. Vishwanath Karad
**MIT WORLD PEACE
UNIVERSITY** | PUNE
TECHNOLOGY, RESEARCH, SOCIAL INNOVATION & PARTNERSHIPS

School of Polytechnic and
Skill Development

Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT)

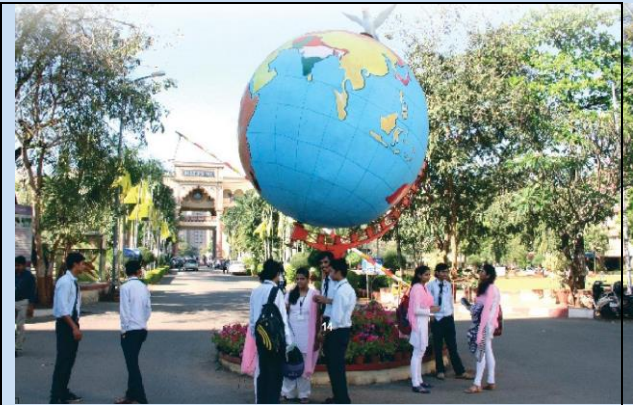
Faculty Development Programme in Cyber Security

For

Faculty in Universities, Colleges and Institutes of Higher Education
(8th April to 14th April 2019)

Call for Registration and Participation

**Venue: Dr. V.D.Karad MIT World Peace University School of Polytechnic and Skill
Development, Paud Road, Pune.**



**Jointly Organized by
Shivaji University, Kolhapur
and**

**Dr. V.D.Karad MIT World Peace University School of Polytechnic and Skill
Development, Pune-38**

About Shivaji University, Kolhapur

Shivaji University, established in 1962, is named after the Great Maratha Warrior and founder of the Maratha empire Chhatrapati Shivaji. One of the major objectives behind foundation of this University was to cater to the regional needs of South Maharashtra. The jurisdiction of the University is spread over three districts viz. Kolhapur, Sangli and Satara with strength of about 3,00,000 students studying in 280 affiliated colleges and recognized institutes. The recent phase of the University can be termed as "a pursuit of academic excellence". Since last 4-5 years, several attempts are being made to overcome the image of University as a regional University. The University's efforts towards excellence are being recognized by the substantial grants received from funding agencies like UGC, DST, DBT etc. Another indicator of recognition of University is collaborations with premier institutes in the country. Shivaji University has recently signed MOU with Bhabha Atomic Research Centre, Mumbai for research in Material Science. It has also joined hands with Indian Institute of Geo-Magnetism, Mumbai and industries like Phyto-Pharma. Prestigious institutes like Maharashtra Police Academy, Nashik and Centre for Social Studies, Surat have sought affiliation with the Shivaji University. Shivaji University has been re-accredited by National Assessment and Accreditation Council (NAAC) Bangalore, with "A" Grade (CGPA-3.16) (2014). Shivaji University has bagged the 28th position in the rankings announced by the National Institutional Ranking Framework (NIRF) of Union Ministry of Human Resource Development (MHRD). As per the INFLIBNET report, Shivaji University stands second in use of Nature publications Group's (NPG) e-journal usage in the country. The University has also signed MoU with Centre for Development of Advanced Computing (C-DAC), Pune. Under the agreement, the two institutions will exchange information and communication technology.

About MIT World Peace University, Pune

MIT Pune is now MIT-World Peace University

MIT-World Peace University (MIT-WPU) is situated in Pune- the cultural capital of Maharashtra. Surrounded by the Western Ghats, Pune is located on the Deccan Plateau on the banks of the serene Mula-Mutha River. A landmark in Pune, the architectural grandeur and splendor of the buildings of MIT Pune are a testimony to a rich legacy of over 4 decades in the field of education. Known to be among the top education institutions in India it was established in the year 1983 by Prof.Dr.Vishwanath D. Karad and is among the first engineering colleges in the private sector in Maharashtra.

A step towards this Vision has been the 'MIT World Peace University' status accorded to MIT Group of Institutes – Pune, established under Govt. of Maharashtra Act No. XXXV 2017 and recognized by UGC. MIT World Peace University- known as **MIT-WPU**, is a center for scientific, educational, technological & spiritual development for the youth. We enable our students to face the challenges of the present and the future technical advancements of a fast changing world by incorporating best of academics, industrial, research and value-based education.

About Diploma Engineering at MIT WPU School of Polytechnic:

MIT WPU School of Polytechnic, Pune is an ISO 9001:2015 certified Engineering Diploma Institute spread over five acres of land, we are one of the Premier institutes of Pune known for its quality, result and performance maintained over the past 23 years of span.

The principle objective of the institute is to provide value based quality undergraduate education in the engineering streams of Civil Engineering, Computer Engineering, Electronics and Telecommunication Engineering, and Mechanical Engineering.

Our Diploma Engineering Programme is based on the three cardinal principles: providing social context to education, giving maximum choice to the student to choose a career path and encouraging active learning.

About Resource Centre in Cyber Security and Data Sciences:

National Resource Centre in Cyber Security and Data Sciences is established under the guidance RUSA Maharashtra from the grants received from the MHRD, Government of India under the 'Pandit Madan Mohan Malviya National Mission on Teachers and Teaching (PMMMNTT)' scheme. Objective of this centre is capacity building of human resource which is recognized as a critical element to strengthen not only the organization/ institutions but even the people at grassroots level by spreading awareness Cyber security. There is a large gap between demand and availability of trained human resource in Cyber Security, who can beneficially utilize the available information for cyber safety. Cyber security trained human resource is needed both as the provider and user of Technology. This is vital for sustainable development so that informed decision making can be done at all levels.

About the Training:

Cyber security is need of the time, as estimated by National Association of Software and Services Companies (NASSCOM)'s Cyber security Task Force, there is need of 1 million trained cyber security professionals in India by 2025. But, currently there are only 62,000, so to fill this gap there is need to introduce cyber security courses at graduate and postgraduate *levels*. Our aim is to train teachers with practical skills so that more and more cyber security experts can be shaped every year. It is expected that the 'Train the Trainers' approach shall percolate to the students in colleges and make them suitable to take up challenges in the domain of Cyber Security which is the need of this decade and will thus improve their employability enhancing campus placement. In addition, Cyber Security courses will help in start-ups and employment opportunities. The faculty shall be also trained specifically as knowledge creator with strong practical 'skills' and theoretical details.

Objectives of the Training:

- Train 2000 faculties
- Building networks of professional
- Forming consortium of industries specialized in cyber security which will interface with Shivaji university Kolhapur
- Sensitizing cyber security to masses at large for strengthening cashless transactions.

Eligibility:

Faculty Members from Science and Technology, Humanities, Social Sciences, Commerce and Management discipline from Universities, Colleges, NITs, IITs, Engineering Colleges and other Institutions of Higher Education. As the number of participants is limited to 40, preference will be given on First Come First Serve basis.

Programme Schedule:

Dates: 8th April to 14th April 2019

Venue: Dr. V.D.Karad MIT World Peace University School of Polytechnic and Skill Development.

Day and Date	Course Contents
Day 1: Monday, 08/04/2019	Introduction and Computer Security- I
Day 2: Tuesday, 09/04/2019:	Computer Security – I
Day 3: Wednesday,10/04/2019	Network Security I
Day 4 Thursday,11/04/2019	Network Security II and Email Security, I

Day 5: Friday, 12/04/2019	Website Security I ,
Day 6: Saturday, 13/04/2019	Website Security II Cyber Law,
Day 7: Sunday, 14/04/2019	Mobile Security and Cloud Security

The eligible candidates will be given confirmation is available on web-portal and it will also be informed through email. All confirmed participants will have to submit a relieving letter from their institution on the first day of the training.

Laboratory assignments:

1. Installing, Configuring and Commissioning of Proxy Server using FOSS. Studying issues like Browser security, email security, difference between http, https etc.
2. Perform port scanning using NMAP (Network Mapper).
3. Analyze the network traffic using Wireshark or any other network sniffer.
4. Collect the Owner's information using spyware.
5. Steganography: Perform data hiding using covered writing
6. Identification of virus infected file using virustotal.com
7. Understanding trace route functionality using open visual trace route
8. Vulnerability analysis in web application using Zed Attack Proxy
9. Isolating WLAN Traffic using Separate Firewall for VPN Connection
10. To Create a Virtual Private Network (VPN) over WAN
11. To evaluate application response time in the presence and absence of a firewall.
12. Managing Security in Small Business Network
13. Security Group Policies Management, Group Policy management
14. ICMP Ping, Subnetting
15. Firewalls, RIP, OSPF, VPN
16. VLAN, Case study on IT Act 2000
17. Case study on cyber attack / cyber crime

Registration:

Participants must register through online web-portal only. No need to send any printed documents to the Resource Center Shivaji University.

Registration Link: <http://sangnaksuraksha.com>

Registration details:

Registration and participants is free of cost. Hard copy of the registration form duly forwarded through the Head of the Institute should be submitted to the Co-coordinator on the first day of the programme.

Instructions for the Participants:

- Attendance at all sessions is mandatory. Breakfast, Lunch and Tea will be provided.
- Outstation participants will be provided paid accommodation only on advance intimation.

Technical Requirements from participants:

- Participants should carry their own laptop as well as debit cards, credit cards, payment wallets, net banking, UPI, mobile banking, paypal, aadhar, PAN card with them for sample demos.
- Participants should carry Smartphone either android / iOS with them.
- Participant should focus on smartphone apps like True caller, PayTM, PhonePe, Google Pay, PayZApp, Authenticator, Facebook, WhatsApp, Instagram

Important Note: This FDP under PMMMNMTT is applicable for CAS promotions as per UGC gazette.

Organizing Committee

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Vice Chancellor
Shivaji University, Kolhapur
Hon. Prof. Dr. D. T. Shirke
Pro-Vice Chancellor,
Shivaji University, Kolhapur

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Managing Trustee, MAEER's MIT, Pune, India

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Provost, MIT-WPU, Pune

Dr. V. D. Nanavadekar
Shivaji University, Kolhapur

Mentor

Smt. Meeta Rajivlochan (IAS)

Principal Secretary, State Project Director, RUSA, Maharashtra

Principal Investigator

Dr. R.K. Kamat
IQAC Director,
Director, Innovation, Incubation and Linkages
Head, Department of Computer Science,
Shivaji University, Kolhapur

Co-Investigator

Dr. K. S. Oza
Assistant Professor,
Department of Computer Science,
Shivaji University, Kolhapur

Coordinator

Prof. Mrunal Fatangare
MIT WPU School of Polytechnic
and Skill development, Pune

Organizing Head

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Members

Prof. Hemlata S. Ohal
Prof. Kranti H. Kolambe

Prof. Hemlata S. Ohal
Prof. Rupali P. Chaudhari

For further details contact:

Name	Cell no	Email
Mr. Kabir Kharade	8055801285	kabirkharade@gmail.com
Prof. Mrunal Fatangare	9881139973	mrunal.fatangare@mitwpu.edu.in

Shivaji University,
Vidya Nagar, Kolhapur – 416 004
(Maharashtra – INDIA)
Website: www.unishivaji.ac.in

MIT WPU School of Polytechnic and Skill development,
Paud Road, MIT Campus, Pune-38
(Maharashtra - INDIA)
Website: <http://www.mitwpu.edu.in>