



INFORMATION
SECURITY
EDUCATION &
AWARENESS



इलेक्ट्रॉनिकी एवं
सूचना प्रौद्योगिकी मंत्रालय
MINISTRY OF
ELECTRONICS AND
INFORMATION TECHNOLOGY



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VISVESVARAYA TECHNOLOGICAL UNIVERSITY

(A State University Government of Karnataka Established as per the VTU Act, 1994)

"Jnana Sangama", Belagavi - 590018, Karnataka, India

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

IN ASSOCIATION WITH VISVESVARAYA RESEARCH & INNOVATION FOUNDATION (VRIF)

BOOTCAMP on Hardware Security

10TH - 14TH FEBRUARY, 2025

ABOUT VTU

VISVESVARAYA TECHNOLOGICAL UNIVERSITY (VTU), NAMED AFTER BHARAT RATNA DR. SIR M. VISVESVARAYA, WAS ESTABLISHED ON 1ST APRIL 1998, AS PER THE PROVISIONS OF VTU ACT 1994 OF THE GOVERNMENT OF KARNATAKA. THIS UNIVERSITY HAS BEEN ESTABLISHED IN ORDER TO PROMOTE PLANNED AND SUSTAINABLE DEVELOPMENT OF TECHNICAL EDUCATION, RESEARCH, INNOVATION AND OUTREACH PROGRAMS. THE UNIVERSITY HAS JURISDICTION OVER THE ENTIRE STATE OF KARNATAKA. IT HAS ITS HEAD QUARTERS LOCATED IN BELAGAVI AND FOR THE SMOOTH CONDUCT OF ITS ADMINISTRATIVE ACTIVITIES, FOUR REGIONAL OFFICES HAVE BEEN ESTABLISHED IN BENGALURU (MUDDENAHALLI), MYSURU, KALABURAGI AND BELAGAVI. THE UNIVERSITY MAIN CAMPUS IS IN BELAGAVI IS APTLY NAMED AS "JNANA SANGAMA", THE CONFLUENCE OF KNOWLEDGE. "JNANA SANGAMA" CAMPUS IS SPREAD OVER 116 ACRES OF TRANQUIL AMBIENCE WITH MODERN ARCHITECTURAL ELEGANCE AND BEAUTY.

ABOUT VRIF

IN THE CURRENT GLOBAL ENVIRONMENT, PROMOTING INNOVATION AND ENTREPRENEURSHIP IS VITAL FOR SUSTAINABLE GROWTH. WHILE TIER-1 CITIES OFTEN RECEIVE ATTENTION, TIER-2 CITIES ALSO HAVE SIGNIFICANT POTENTIAL FOR NURTURING ENTREPRENEURS. VICE-CHANCELLOR DR. S. VIDYASHANKAR IS SPEARHEADING EFFORTS TO CREATE AN ENTREPRENEURSHIP ECOSYSTEM IN KARNATAKA, SUPPORTING INDIA'S GOAL OF A \$5 TRILLION ECONOMY BY 2025. OUR LARGEST TECHNOLOGICAL UNIVERSITY IS ESTABLISHING A SECTION 8 COMPANY TO ENHANCE ENTREPRENEURSHIP AND INVITES LIKE-MINDED INDIVIDUALS TO COLLABORATE THROUGH VTU.

ABOUT BOOT CAMP

HARDWARE SECURITY IS A VITAL FIELD THAT FOCUSES ON PROTECTING THE PHYSICAL COMPONENTS OF COMPUTING SYSTEMS, INTEGRATED CIRCUITS, AND EMBEDDED DEVICES FROM THREATS SUCH AS TAMPERING, UNAUTHORIZED ACCESS, AND CYBER-ATTACKS. IT INVOLVES SECURING HARDWARE THROUGH CRYPTOGRAPHIC MODULES, DETECTING VULNERABILITIES LIKE HARDWARE TROJANS AND MITIGATING RISKS FROM SIDE-CHANNEL ATTACKS. THIS BOOTCAMP AIMS TO EQUIP STUDENTS WITH KNOWLEDGE IN HARDWARE SECURITY. THE PROGRAM EMPHASIZES SECURING HARDWARE DESIGNS, DETECTING VULNERABILITIES AND INTEGRATING SECURITY IN THE LIFECYCLE OF HARDWARE SYSTEMS.

OBJECTIVES

- TO INTRODUCE KEY CONCEPTS IN HARDWARE SECURITY
- TO EXPLORE HARDWARE VULNERABILITIES AND ATTACK MECHANISMS.
- TO DISCUSS CUTTING-EDGE SOLUTIONS FOR ENSURING SECURE HARDWARE SYSTEMS

WHO CAN APPLY?

STUDENTS OF AICTE APPROVED INSTITUTIONS
(3RD & 4TH YEAR U.G./P.G. STUDENTS)

REGISTRATION:

THE LINK IS ACTIVE FOR FIRST 100 REGISTRATIONS ONLY OR UPTO 5TH FEB, 2025 (WHICHEVER IS EARLIER)

SCAN TO REGISTER:
[HTTP://SURL.LI/DVVXD](http://surl.li/dvvxdx)X



For More Information Contact :
+91 72593 18233 | +91 97394 44818
Mr. Santosh Ittanagi | Mr. Absar Patel

vrif@vtu.ac.in