# ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ

("ವಿ ಟಿ ಯು ಅಧಿನಿಯಮ ೧೯೯೪" ರ ಅಡಿಯಲ್ಲಿ ಕರ್ನಾಟಕ ಸರ್ಕಾರದಿಂದ ಸ್ಥಾಪಿತವಾದ ರಾಜ್ಯ ವಿಶ್ವವಿದ್ಯಾಲಯ)

# VISVESVARAYA TECHNOLOGICAL UNIVERSITY

(State University of Government of Karnataka Established as per the VTU Act, 1994) "Jnana Sangama" Belagavi-590018, Karnataka, India

**Prof. B. E. Rangaswamy, Ph.D.**
REGISTRAR

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REF: VTU/BGM/BOS/FDPCSE/2023-24/ 4052          DATE:          11 .1 NCV 2023

## Revised-CIRCULAR

**Subject**: Incident Management in Cyber Security –A faculty Development Program regarding...

**Reference**: The Hon'ble Vice-Chancellor's Approval Dated 06.10.2023

Preamble;

Incident management in cyber security is like being the superhero of the digital world—detecting and responding to cyber threats to keep the virtual universe safe. It's the cyber equivalent of putting out fires and saving the day. When we talk about incident management, we're referring to the process of identifying, managing, and mitigating cyber security incidents. These incidents can range from a suspicious login attempt to a full-blown cyber attack. The goal is to minimize the impact, contain the damage, and get things back to normal as quickly as possible.

It's like having a cyber SWAT team ready to jump into action when trouble strikes. This team follows a well-defined plan, often outlined in an incident response plan (IRP), which lays out the steps to be taken when an incident occurs. It's all about being proactive, staying vigilant, and having the right tools and strategies in place. From detection and analysis to containment and recovery, incident management is a step-by-step process that ensures we're not just playing defense but also learning from every encounter to bolster our cyber defenses for the future.

Sir/ Madam

BGS College of Engineering Bengaluru has organized a faculty development program on **"Incident Management in Cyber Security"**. This course is part of the Ability Enhancement Courses at the 3rd-semester level of the Computer Science and Engineering (Cyber Security) program and other CSE allied programs. The FDP scheduled on **23rd November 2023**.

The FDP on "Incident Management in Cyber Security" is opportunity for all faculty to enhance their knowledge and skills in this rapidly evolving field, and it aligns perfectly with the university curriculum and teaching interests.

Program details are mentioned in the brochure attached to this letter. All the principals of engineering colleges are hereby informed to bring the contents of the circular and brochure to the notice of the entire faculty concerned.

Please note: **Principals are requested to depute at least one faculty (or maximum two) from their Institute without fail.**

Sd/-
REGISTRAR

**To,**
- **All Principals of Affiliated, Autonomous and Constituent Engineering Colleges, under the ambit of the university.**
- **The Chairperson of University Department at Belagavi, Kalaburgi, Bengaluru and Mysuru**

**Copy to**
- The Hon'ble Vice-Chancellor through the Secretary to VC for information
- The Registrar (Evaluation) for information
- Prof. Sanjay H.A., Chairperson BoS in CSE VTU Belagavi for information and request to attend the program
- The Director, ITI SMU VTU Belagavi for information and make arrangements to upload the circular along with the brochure.
- The Regional Director(I/c) Regional Office, VTU, Bengaluru for information
- The Special Officer Academic Section BoS, for information
- The caseworker, BoS, Academic Section for needful

REGISTRAR

## REGISTRATION FORM

**||Jai Sri Gurudev ||**
**BGS College of Engineering and Technology (BGSCET)**

**One day Faculty Development**

**Program on**

**BCY358B Incident Management in Cyber Security**
**(As per 3rd Sem VTU-2022 scheme)**

*23rd Nov 2023*

Name:……………………………………………

Designation:……………………………………

Department:……………………………………

College/Organization:

……………………………………………

Contact Address: ……………………………………………………

……………………………………………………………

……………………………………

Mobile Number: ……………………………………

E-Mail : ……………………………………………

**Declaration**

All the above information is true to my knowledge and I will attend the FDP for the entire duration.

**Signature of the Participant**

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### About VTU

By the VTU Act 1994 of the Karnataka government, VTU was founded on April 1st, 1998, to foster the planned and sustainable growth of technical education. The university's head office is in Belagavi, Karnataka. More than a lakh students are receiving technical education from VTU through its 46 undergraduate and 94 graduate programs. Doctoral programs are available at VTU in 865 departments across numerous linked colleges that have earned recognition as research hubs. At Muddenahalli, Kalburgi, Belagavi, and Mysuru, VTU has developed fully functional Centers for Post Graduate Studies. In Mysuru, the VTU has a Center for Online Education.

### About the Institute

*BGS College of Engineering and Technology (BGSCET),* a new Engineering College with 5 market-demanding / employable / emerging (CS, IS, AI&ML, AI&DS, Design) UG courses in Engineering and Technology, established by BGSKH Education Trust(R.), A unit of Sri Adichunchanagiri Shikshana Trust(SAST) under the ambit of Sri Adichunchanagiri Mahasamsthana Math, a well-known philanthropic organization in Karnataka at **Mahalakshmipuram, West of Chord Road, Bengaluru -560 086, Karnataka.** The institute has a clear vision and objective, in the quest for being an outstanding centre for learning and development of human resource, which is conducive to the fast changing national and international situations adhering to consistent policy of recruiting highly qualified teachers.

### About the Department

The ISE Department was established in 2022-23 with intake of 60 and affiliated to Visvesvaraya Technological University. The department is having the best infrastructure with the latest high-end computing facilities to cater the academic needs of the VTU prescribed syllabus and provide a real-time experience to the students. The department has renowned faculty members with long academic experience and experts from industries in India and abroad. With this I welcome you all to Information Science engineering department.

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**One-day Faculty Development Program On**

**" BCY358B Incident Management in Cyber Security"**
**(As per 3rd Sem VTU-2022 scheme)**

**Date: 23rd Nov 2023**

**Organized by**
**Department of Information Science and Engineering, BGSCET, Bangaluru**

**In Association with**
**Visveswaraya Technological University, Belagavi**

**Venue:**
**Department of Information Science and Engineering**
**BGS College of Engineering and Technology**
Adjacent to Mahalakshmi Metro Station, Mahalakshmipuram, West of Chord Road, Bengaluru - 560 086, Karnataka
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## About FDP

The FDP is aimed at strengthening and expanding the faculty members' expertise in the Cyber Security software so that they could provide meaningful support to their students. The session covers the various modules of Incident management tools with hands-on training which enable the participants.

## Program Objectives:

The objectives of a FDP are;

➢ To gain knowledge on Incident Management Plan
➢ To understand Roles and Responsibilities of Incident Management Team
➢ To familiar with Different tools used in Incident Management.

## Program Outcomes:

The expected outcomes include;

➢ Explain the importance of effective incident management in cyber security
➢ Classify and manage the Cyber security events and incidents
➢ Describe key roles and responsibilities of Incident management team
➢ Illustrate various tools used in incident management

## Who Can Participate

Registration is open to faculty members of the Computer Science and Engineering and its allied branches under Visvesvaraya Technological University Belagavi.

## Resource Person:

**Dr Udaya Shankar Puranik**

Director , AI and Cyber Security MGI Broadway, New York 1007 United States (Camp at Bengaluru)

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**Blessings:**

His Divine Soul Jagadguru Padmabhusana
**Sri Sri Sri Dr. Balaganagadharanatha Mahaswamiji**
Founder President Sri Adichunchanagiri Shikshana Trust ®

**Chief Patrons:**

His Holiness Jagadguru Padmabhusana
**Sri Sri Sri Dr. Nirmalanandanatha Mahaswamiji**
President, Sri Adichunchanagiri Shikshana Trust ®

**Sri Sri. Soumyanatha Swamiji**
Secretary, Sri Adichunchanagiri Shikshana Trust ®

**Patrons:**

**Dr. Vidyashankar S**
Hon. Vice Chancellor, VTU, Belagavi
**Dr. B.E. Rangaswamy**
Registrar, VTU Belagavi
**Dr. T.N Sreenivasa**
 Registrar (Evaluation), VTU Belagavi
**Dr. G T Raju**
Director, BGSCET   Bengaluru

Organizing Chair:

**Dr. Ravikumar G K**
Principal, BGSCET

**VTU Convener**
**Dr. Sanjay H A**
Chairman BOS Computer Science Board, VTU
Professor & Head, Dept of ISE, MSRIT, Bengaluru

**VTU Co-convener**
**Prof. S. B. Halbhavi**
Special Officer, VTU

**Program Convener**
**Dr. Chaitra Naveen**
H O D, Dept. of ISE., BGSCET, Bengaluru
Ph. 8884121313
Email: hod.ise@bgscet.ac.in

**Program Coordinators**
 Prof. Anoop N Prasad, Assistant Professor
 Prof. Hemalatha KN, Assistant Professor
 Prof. Jyothi R, Assistant Professor

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## Topics covered and Program Schedule

➢ Introduction to Incident Management
➢ Incident resolution
➢ Tools used in Incident Management

## Program Schedule

Registration:          9.00am
Inaugural function:   9.30 am
Session starts time:   09.45 am to 1pm
Valedictory function:  1pm

## About Registration:

- **No registration fee**. Maximum of TWO members per college can be registered.
- Working Lunch will be provided. Participants are advised to bring laptop for hands-on training.
- TA/DA to be borne by the deputing colleges.
- Course material will be provided.

## Last Date for Registration: 21/11/2023

**Reg. link:** https://forms.gle/m15cn7kZ31Acnkme6
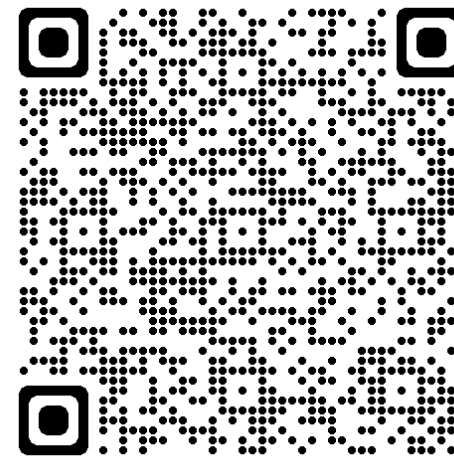


**For more information, contact;**
**Dr Chaitra Naveen, 8884121313**

Dr.Udaya Shankar Puranik
Director- AI and Cyber Security,
MGI, USA
and Science writer

Contact email: upuranik@gmail.com

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Dr. Udaya Shankar Puranik

**Academics and Professional Summary:**

Graduation in Engineering from Bangalore.
Masters in Computer Science from UW Madison, USA
Doctor of Engineering (EngD) from Cranfield, UK
Doctor of Engineering (EngD) from Brown, USA
Doctor of Engineering (EngD) from CDE, Singapore

Expert Committee Member for Cyber Security at following international organizations;
a) BIS-ISO subcommittee for defining Cyber Security Standards for UAS – Civilian and Military use
b) ATMSA, Sioux Falls, USA
c) European Union Agency for Cyber Security (ENISA), Athens, Greece
d) Military and Aerospace Cyber Security Group, USA
e) IIOT Consortium – Cyber Security Group, USA

 Product framework developed
a) Cyber Forensics Analysis of Advanced Persistent Threat (APT) and DDOS attacks
b) Artificial Intelligence enabled Extended Threat Detection and Response (XDR)
c) Cyber Physical Security for Industry 4.0 and Med Tech
d) Cyber Intelligence framework, Electromagnetic Spectrum Operations (EMSO) for Space and Military applications

I bring in 37 years of experience at senior management level in global IT industry.
I am internationally certified ITIL, Six Sigma, Security and Project Management Professional.
I am an advisor in Cyber security and Artificial Intelligence to Governments, Multinational companies, Universities and Institutions across the world

**Professional Activities**
- Member of the IT panel of CII-Karnataka for two consecutive terms and contributed to the " ITES policy for Government of Karnataka " by CII- Mckinsey for the government of Karnataka.
- Executive Member of Kannada Ganaka Parishat, Bangalore which is an organization focused on promoting use of Kannada language in information technology, since 1998.
- Has in past 26 years developed Kannada language software for use in Television, ATM, Industries, Web portals, Banks, Mobile phones, E-publishing, IVR and Call Centers of Telecom companies.
- Author of more than 3500 articles on IT and new technologies which are published in leading newspapers and publications. Author of Six books on technology and research.
- Setup and managed a DRAM design team in Bangalore, which developed for the first time, a major and successful DRAM design outside Japan.
- Developed software for Ultra Sound Scanning, MRI and CT for healthcare
- Have given 150 episodes about cyber security awareness for common man, from Zee Kannada News Channel.
- Have given more than 200 Radio, Television and Webinar programs for students about new technologies like Artificial Intelligence, IOT, Cyber Security.

**Academic Activities:**
1. Honorary Fellow at Karnataka Science and Technology Academy, Government of Karnataka
2. Member of Board of Studies for UG, VTU, Karnataka
3. Member of Board of Studies for PG, VTU, Karnataka
4. Member of Academic Council, Central University, Vijayanagaram, Andhra Pradesh
5. Member of expert committee for Engineering text books in Kannada language as per NEP, at VTU, Karnataka
7. Member of Governing Council, National College, Karnataka
8. Chief Editor of Encyclopaedia for Computer Science at University of Mysore
9. Member of Governing Council, Nagarjuna College of Management, Karnataka

**Major Awards and recognition:**

1) Karnataka State Government Award from KSTA for year 2018, as one of the best authors in science and technology in Kannada language for the book on Artificial Intelligence and opportunities it offers.
   Incidentally this book is first of its kind in Kannada language
2) Prestigious Eminence and Excellence Award for exemplary contribution in information technology from IBM
3) Life time recognition award for contribution in science and technology, Kannada Sangha, NAL, Bangalore
4) Awards and felicitation for Innovation and Contribution in field of information technology from several Governments, Multinational companies, Professional organizations and Institutions.