



VIGNAN'S

Foundation for Science, Technology & Research

(Deemed to be University)

-Estd. u/s 3 of UGC Act 1956

VFSTR DEEMED TO BE UNIVERSITY

Department of Advanced Computer Science & Engineering

CIRCULAR

Date: 01.05.2023

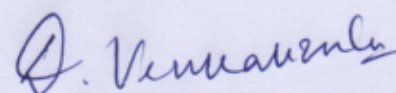
Department of Advanced CSE is going to conduct Board of Studies (BoS) meeting for the B.Tech CSE- Cyber Security Programme on **03.05.2023** from 2.00 PM in blended mode. (Physical meeting : Conference Hall, Third floor, JC Bose Block, VFSTR and virtual meeting link: <https://us06web.zoom.us/j/84936866673?pwd=dUZrQXlvYytJaHVDM2tYSnBWdkhvdz09>. All the members of B.Tech- CSE Cyber Security Board of Studies are requested to make it convenient to attend the meeting.

S.No	Name of the Member	Designation and Affiliation	Role
1	Dr. Venkatesulu Dondeti	Professor & Head, Department of ACSE, VFSTR Deemed to be University	Chair Person
2	Dr. D Radha Rani	Associate Professor, Department of ACSE, VFSTR Deemed to be University	Secretary (Ex-officio)
3	Dr. Venkatesan S	Associate Professor, Department of IT, IIT Allahabad	External Member
4	Dr.B.Venkata Ramana	Associate Professor & HoD Department of CSE, IIT Tirupathi	External Member
5	Dr.B M Mehtre	Professor, Center for Cyber Security and Data Privacy, IDBRT, Hyderabad	Invited Member
6	Dr. Digambar Pawar	Associate Professor, University of Hyderabad, Hyderabad	Invited Member
7	Dr. Nirupama Bhat	Professor, Department of ACSE, VFSTR Deemed to be University	Internal Member
8	Dr. Bala Krishna S	Assistant Professor, Department of ACSE, VFSTR Deemed to be University	Internal Member
9	Mr. Amar Jukuntla	Assistant Professor, Department of ACSE, VFSTR Deemed to be University	Internal Member (Nominee – School Dean)

10	Dr. B Jyostna Devi	Assistant Professor, Department of ACSE, VFSTR Deemed to be University	Internal Member (Nominee – Dean R&D)
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Agenda of the BoS Meeting:

1. Reviewing the course structure and content introduced in R22 regulation
2. SWAYAM-NPTEL courses identification
3. Formative and summative assessment results
4. Discussion on CO-PO-PSO
5. Fixing the CO-PO-PSO-PEO target values
6. Any other points based on the requirements with the permission of Chair.



(Chair Person)
HoD

Dept. of Advanced Computer Science & Engineering
VIGNAN'S FOUNDATION
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VADLAMUDI - 522 213
Guntur Dist., A.P., India.



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Department of Advanced Computer Science & Engineering

Date: 03.05.2023

Minutes of Board of Studies Meeting

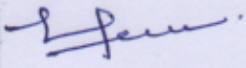
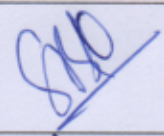
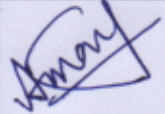
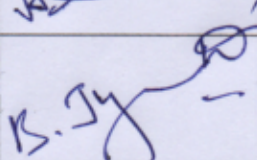
Board of Studies (BoS) meeting of B.Tech.,CSE – Cyber Security programme was conducted on 03.05.2023 in blended mode from 2.00 PM to 03.30 PM. (Physical meeting : Conference Hall, Third floor, JC Bose Block, VFSTR and virtual meeting link : <https://us06web.zoom.us/j/84936866673?pwd=dUZrQXlvYytJaHVDM2tYSnBWdkhvdz09>).

Agenda of the BoS Meeting:

1. Reviewing the course structure and content introduced in R22 regulation
2. SWAYAM-NPTEL courses identification
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4. Discussion on CO-PO-PSO
5. Fixing the CO-PO-PSO-PEO target values
6. Any other points based on the requirements with the permission of Chair.

The following members were present either thorough offline or online.

S.No	Name and Designation of the Member	Role	Signature
1	Dr. Venkatesulu Dondeti Professor & Head, Department of ACSE, VFSTR Deemed to be University	Chair Person	
2	Dr. D Radha Rani Associate Professor, Department of ACSE, VFSTR Deemed to be University	Secretary (Ex-officio)	
3	Dr. Venkatesan S Associate Professor, Department of IT, IIIT Allahabad	External Member	Attended online
4	Dr.B. Venkata Ramana Associate Professor & HoD Department of CSE, IIT Tirupathi	External Member	Attended online
5	Dr.B M Mehtre Professor, Center for Cyber Security and Data Privacy, IDBRT, Hyderabad	Invited Member	Attended online

6	Dr. Digambar Pawar Associate Professor, University of Hyderabad, Hyderabad	Invited Member	Attended online
7	Dr. Nirupama Bhat Professor, Department of ACSE, VFSTR Deemed to be University	Internal Member	
8	Dr. Bala Krishna S Assistant Professor, Department of ACSE, VFSTR Deemed to be University	Internal Member	
9	Mr. Amar Jukuntla Assistant Professor, Department of ACSE, VFSTR Deemed to be University	Internal Member (Nominee – School Dean)	
10	Dr. B Jyostna Devi Assistant Professor, Department of ACSE, VFSTR Deemed to be University	Internal Member (Nominee – Dean R&D)	

Chairperson Dr. Venkatesulu Dondeti, Professor and Head, Department of ACSE, VFSTR initiated the meeting by welcoming and introducing the external members, invitees to the internal members. Secretary Dr. Deevi Radha Rani, Associate Professor, Department of ACSE, VFSTR presented program curriculum along with course content to the board.

The following points were discussed in the BoS meeting:

1. Review of R22 CSE-AIML curriculum
2. SWAYAM-NPTEL courses identification
3. Formative and summative assessment results
4. Discussion on CO-PO-PSO
5. CO-PO-PSO-PEO target values

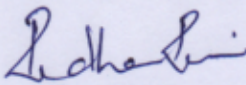
The following resolutions made after the discussion:

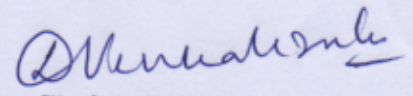
1. Secretary, Dr. D. Radha Rani has initiated the presentation on R22 B. Tech CSE – Cyber Security Curriculum. The External Board members expressed their opinion that the overall course structure of the program and the content of the courses are well-designed and are sufficient for the program at under graduate level. They provided a few suggestions to further improve the quality of the existing curriculum.
2. Dr. Venkatesan S raised clarifications on credit distribution, reason for combining DLD and CO courses as one course. Chairperson and other internal members clarified.
3. Dr. Digambar Pawar raised a query regarding allocation of 2 lecture hours and 2 transaction hours for DS, DBMS. Chairperson and other internal board provided clarifications and details regarding these matters to address their concerns and external member accepted the clarification.
4. Dr. Digambar Pawar suggested changing the course title "Cyber Security and Cyber Laws" to "Cyber Crimes and Cyber Laws". Internal members of the BoS accepted the suggestion and updated the course title accordingly.

5. Dr.B M Mehtre and Dr.B.Venkata Ramana proposed the introduction of few courses as programme electives in the curriculum. They suggested courses such as "5G Security", "Secure Coding", "Security Engineering", "Distributed Systems". Internal BoS members accepted their suggestions and included these courses in the list of department electives.
6. Dr.B.Venkata Ramana suggested to modify syllabus of "Cryptography and Network Security" course by including the topic of "Sandbox" in System Security and remove Web Security. Also suggested to include topics of 5G concepts, Mobile Transport Layer, Wireless Security in "Wireless Networks" course. Internal BoS members accepted their suggestions and done modifications accordingly.
7. The board suggested few SWAYAM-NPTEL courses to be included in the curriculum, recognizing their relevance and potential to enhance the students' knowledge and skills in the field of Cyber Security. After thorough discussion following courses are suggested: Secure Computation, Privacy and Security in Online Social Media, Ethical Hacking, Cyber Security and Privacy, Social Network Analysis.
8. At the end there was a discussion on Course Outcomes (CO), Program Outcomes (PO), Program Specific Outcomes (PSO), Formative Assessment results, Summative Assessment results, and the target values for CO-PO-PSO-PEO were decided.

Based on the suggestions given by the members, the Chairperson of BoS told that, those fruitful suggestions would be incorporated appropriately in the curriculum and syllabi of the regulation R22.

There being no further points for discussion, the Chairperson thanks all the external, internal, invited members and announced that the meeting was adjourned.


Secretary


Chairperson

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ethical laws of computers in different countries.

MODULE-1

UNIT-1 **8L+8T+0P=16 Hours**

INTRODUCTION TO CYBER CRIME AND CYBER OFFENCES:

Introduction; Cybercrime definitions; Cybercrime and Information Security; Cyber Criminals; Classification of Cybercrimes; An Indian Perspective; How criminals plan attacks; Social Engineering; Cyber Stalking; Cyber cafe and Cybercrimes; Botnets; Attack Vectors; Cloud Security.

UNIT-2 **8L+8T+0P=16 Hours**

CYBERCRIME FOR MOBILE AND WIRELESS DEVICES:

Proliferation of Mobile and Wireless Devices; Trends in Mobility; Credit Card Frauds in Mobile and Wireless Computing Era; Security Challenges Posed by Mobile Devices; Registry Settings for Mobile Devices; Authentication Service Security; Attacks on Mobile/Cell Phones; Mobile Devices: Security Implications for Organizations; Organizational Measures for Handling Mobile Devices-Related Security Issues; Organizational Security Policies and Measures in Mobile Computing Era; Laptops.

PRACTICES:

- Tools used for Bluetooth Hacking.
- Global perspectives of cybercrimes.
- Types of stalker and their mitigation techniques.
- Cybersecurity frameworks, regulations and their features.

MODULE-2

UNIT-1 **8L+8T+0P=16 Hours**

22CY801	Big Data Analytics	3	0	2	4
22CY802	Intrusion Detection and Prevention System	3	0	2	4
22CY803	Secure Coding and Software Security	3	0	2	4
22CY804	Tools and Techniques for Ethical Hacking	3	0	2	4
22CY805	Wireless Networks	3	0	2	4
22CS806	Machine Learning	3	0	2	4
22CS808	Mobile Application Development	2	0	4	4
22AM809	Introduction to Software Engineering	3	0	2	4

Honours for CSE

Course Code	Course Title	L	T	P	C
22CY951	Mobile and Wireless Security	3	0	2	4
22CY952	Advanced Cryptography	3	0	2	4
22CY953	Malware Analysis	3	0	2	4
22CY954	Security Audit and Risk Assessment	3	0	2	4
22CY955	Biometrics	3	0	2	4
22CY956	Capstone Project	0	2	6	4

