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Foundation for Science, Technology & Research

(Deemed to be University)

-Estd. u/s 3 of UGC Act 1956

DEPARTMENT OF ADVANCED COMPUTER SCIENCE & ENGINEERING

Date: 19-01-2025

Minutes of Board of Studies Meeting

The department of ACSE has conducted a Board of Studies (BoS) meeting to review the B.Tech CSE_IoT program curriculum on 26.12.2024 from 11:00 AM to 12:30 PM in blended mode. (Physical meeting: ACSE Department Research Lab, 6th floor Room No. 602, Nagarjuna Block, VFSTR and virtual meeting link:
https://us06web.zoom.us/j/86391723756?pwd=RAqhxabePeapD9mJWbRdPwQgvF5lQ0.1

Agenda of the BoS Meeting:

1. Review the course structure and contents for the R22 B.Tech CSE_IoT curriculum.
2. Discuss the core content of the II year, I sem course CAY. 2025-2026.
3. SWAYAM-NPTEL courses identification and update.
4. Discuss the addition/modification of the department electives, open electives, and the fulfillment of prerequisites for the department electives.
5. Any other points based on the requirements with the permission of the Chair.

The following members were present either offline or online.

S.No.	Name of the Member	Designation & Affiliation	Role	Mode of presence/ Signature
1	Dr. Venkatesulu Dondeti	Additional Dean, Department of ACSE, VFSTR Contact : 91 98408 50744 Mail : dean_addl._acse@vignan.ac.in	Internal Member (School Additional Dean)	DV
2	Dr. D. Radha Rani	Head, ACSE & Associate Professor, Department of ACSE, VFSTR Contact : 91 9676354404 Mail : hod_acse@vignan.ac.in	Chair Person	Radha
3	Prof. R.R Rout	Professor Department of CSE, NIT, Warangal Contact : 8332969418 Mail :rashrr@nitw.ac.in	External Member (Academia)	NA
4	Dr.Nagandra Kumar S	Assoc. Professor, SCIS, University of Hyderabad Contact : 8500118379 Mail : nks@uohyd.ac.in	External Member (Research)	Online

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5	Dr T N Nagabhushan	Professor Executive Director, East Wet Group of Institutions, Bangalore Former Principal of JSS Academy of Technical Education, NOIDA	Invited Member (Industry)	online
6	Dr C. Jagadish	IoT Solutions Architect, Cisco Bangalore Contact : 8971066629 Mail: Jchundur@cisco.com	Invited Member (Research)	NK
7	Prof. B. Seetaramanjaneyulu	Professor, Dept. of ECE, VFSTR Deemed to be University Contact : 9491338857 Mail : drbsr_ece@vignan.ac.in	Invited Member	online
8	Dr. M. Nirupama Bhat	Professor, Department of ACSE, VFSTR Deemed to be University Contact: 91 99088 23834 Mail : drmnb_acse@vignan.ac.in	Internal Member	*(signature)*
9	Dr. Jawad Ahmad Dar	Assistant Professor, Department of ACSE, VFSTR Deemed to be University Contact: 91 96763 54404 Mail : drdrr_acse@vignan.ac.in	Internal Member (Nominee – Dean R&D)	*(signature)*
10	Dr. G. Arul Elango	Associate Professor, Department of ACSE, VFSTR Deemed to be University Contact: 6379772780 Mail : drae_acse@vignan.ac.in	Internal Member	*(signature)*
11	Dr. P. J. Reginald	Asst. Professor, Department of ECE, VFSTR Deemed to be University Contact : 9885342118 Mail : drpjr_ece@vignan.ac.in	Internal Member	online

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| 12 | Dr. Benson Mansingh PM | Asst. Professor, Senior Level, Department of ACSE, VFSTR Deemed to be University Contact : 999447633 Mail : drbm_acse@vignan.ac.in | Internal Member | |
| 13 | Dr. Vijai Meyyappan Moorthy | Asst. Professor, Senior Level, Department of ACSE, VFSTR Deemed to be University Contact : 8940506036 Mail : drmv_acse@vignan.ac.in | Member Secretary | |

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

The following points were discussed in the BoS meeting:

1. Reviewed the course structure and contents for the R22 B.Tech CSE_IoT curriculum.
2. Discussed the core content of the II year, I Sem course CAY. 2025-2026.
3. SWAYAM-NPTEL course identification for the department, open electives, and honors.
4. Discussed the addition/changes of the department electives, open electives, and the fulfilment of prerequisites for the department electives.

The following resolutions are incorporated after the discussion:

1. Dr. Vijai Meyyappan Moorthy, secretary, B.Tech CSE_IoT program, initiated the meeting by welcoming and introducing the board members and presenting the program curriculum along with course content to the board. 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 sufficient for the program at the undergraduate level They provided a few suggestions to improve the quality of the existing curriculum further.

2. Prof Nagandra Kumar S and Dr T N Nagabhushan recommended revising the contents of Physics for Quantum Computing subject II year Ist sem and, they suggested modifying some topics. The board members accepted the suggestion and the changes were incorporated. Prof Nagandra Kumar S also enquired about software tools being offered for Physics for Quantum Computing. The internal BOS members clarified the software tools offered for the subject.

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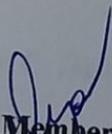(Deemed to be University)
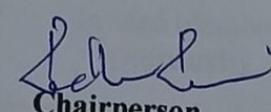-Estd. u/s 3 of UGC Act 1956

3. During the Discussion, the external BOS member Dr T N Nagabhushan suggested encouraging students to practice IBM case studies. Also, suggested to incorporate those case studies in the Physics for Quantum Computing subject. He also recommended adding a few books for problem-solving and assignments. And, suggested including one or two textbooks that cover the whole content of the subject. He also added some points during the discussion in the syllabus, noting which topic was covered and in which books, this will be helpful for the students.

4. The external BOS member Prof. Nagandra Kumar S suggested revising the contents of Microcontrollers and Microprocessors subject II year 1st sem, and, he recommended adding ARM processors such as ARM7 and core architectures in the syllabus. He recommended incorporating contemporary microcontrollers, such as Arduino and Raspberry Pi, to provide students with hands-on experience and provide a foundation for the next core disciplines. The board members accepted the suggestion and the changes were incorporated.

5. During the Discussion, the external BOS member Prof. Nagandra Kumar S recommended adding computer vision-related topics to the electives, such as vision sensors and camera-based sensors.

6. Prof Nagandra Kumar S and Dr T N Nagabhushan suggested replacing the Operating Systems subject in II-year IInd sem by wireless communications. Both suggested that the Embedded system should be included as a Core course for the students. The board members accepted the suggestion and the changes were incorporated.

7. At the end there was a discussion on SWAYAM-NPTEL courses. After thorough discussions, the board suggested considering the following SWAYAM-NPTEL courses.
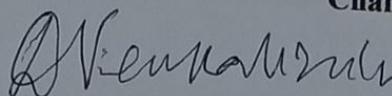
S.No	Course Name
1	Foundation of Cloud IoT Edge ML
2	Optical Wireless Communications for Beyond 5G Networks and IoT
3	Electronics and IoT Design Workshop
4	Introduction To Industry 4.0 And Industrial Internet Of Things
5	Design for Industry 4.0 and Industrial Internet of Things

Based on the suggestions given by the members, the Chairperson of BoS said that these fruitful suggestions would be considered in the curriculum and syllabi of the regulation R22.

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

Member Secretary

Chairperson

DEPARTMENT OF ADVANCED COMPUTER SCIENCE AND ENGINEERING

CIRCULAR

Date: 18.12.2024

Department of ACSE is going to conduct Board of Studies (BoS) meeting for the B.Tech CSE_IoT programme on **26.12.2024** from **11.00 A.M** onwards in hybrid mode. Venue for the meeting is at N-Block 602, Sixth floor, VFSTR and virtual meeting link is https://us06web.zoom.us/j/86391723756?pwd=RAqhxabePeapD9mJWbRdPwQgvF5lQ0.1 All the members are requested to make it convenient to attend the meeting.

All the members of B.Tech CSE_IoT Board of Studies are requested to make it convenient to attend the meeting.

S.No.	Name of the Member	Designation & Affiliation	Role
1	Dr. Venkatesulu Dondeti	Additional Dean, Department of ACSE, VFSTR Contact : 91 98408 50744 Mail : dean_addl._acse@vignan.ac.in	Internal Member (School Additional Dean)
2	Dr. D. Radha Rani	Head, ACSE & Associate Professor, Department of ACSE, VFSTR Contact : 91 9676354404 Mail : hod_acse@vignan.ac.in	Chair Person
3	Prof. R.R Rout	Professor Department of CSE, NIT, Warangal Contact : 8332969418 Mail :rashrr@nitw.ac.in	External Member (Academia)
4	Dr.Nagandra Kumar S	Assoc. Professor, SCIS, University of Hyderabad Contact : 8500118379 Mail : nks@uohyd.ac.in	External Member (Research)
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5. Any other points based on the requirements with the permission of the Chair.

Chairperson

Dr. Deevi Radha Rani
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