



**Annasaheb Dange College of Engineering and
Technology, Ashta
An Autonomous Institute**

2nd Board of Studies (BoS) Meeting

Day & Date : Saturday , 27 Aug 2022

Time : 2:30 pm

Mode : Online

Link : [<https://bit.ly/3AkVIKG>]

**Department of Computer Science & Engineering
[Internet of Things and Cyber Security including
Blockchain Technology]**





Sant Dnyaneshwar Shikshan Sanstha's
Annasaheb Dange College of Engineering & Technology, Ashta
(Approved by AICTE, New Delhi, Govt. of Maharashtra and Affiliated to Shivaji University Kolhapur)
An Autonomous Institute

Department of Computer Science and Engineering
(Internet of Things, Cyber Security including Blockchain Technology)

Date: 16/08/2022

NOTICE

This is to inform all the BoS members that the Second Board of Studies (BoS) Meeting of the Department of Computer Science and Engineering [Internet of Things, Cyber Security including Blockchain Technology] is scheduled on Saturday, 27/08/2022 at 2:30 PM.

The meeting will be conducted online through Microsoft Teams platform. All the BoS members are requested to attend the meeting.

Meeting Details:

Date: Saturday, 27/08/2022

Time: 2:30 PM

Mode: Online

Platform: Microsoft Teams

Meeting Link: [<https://bit.ly/3AkVIKG>]

Mrs. Anis N Mulla
Member Secretary
Board of Studies (BoS)

Mr. Suhel S Sayyad
Chairperson
Board of Studies (BoS)





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An Autonomous Institute

Department of Computer Science and Engineering
(Internet of Things, Cyber Security including Blockchain Technology)

Date: 25/08/2022

Second Board of Studies (BoS) Meeting

Day & Date: Saturday, 27 Aug 2022

Time: 2:30 pm

Mode: Online

Agenda of BoS Meeting

1. To confirm the minutes of meeting of BoS meeting held on 20th November 2021.
2. To place before the BoS the report of the action taken on the decisions of its meeting held on 20th November 2021.
3. To discuss and approve second year to final year structure.
4. To discuss and approve the curriculum contents of second year
5. To discuss the changes in First year Structure in order to accomodate institute level credit structure.
6. Any other item with the permission of the chair.5

Mrs. Anis N Mulla
Member Secretary
Board of Studies (BoS)

Mr. Suhel S Sayyad
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Second Board of Studies (BoS) Meeting

Day & Date: Saturday, 27 Aug 2022

Time: 2:30 pm

Mode: Online

Members Present for the meeting

Sr. No.	Name	Position	Sign
1.	Mr. S. S. Sayyad Head and Chairman BoS, Department of Computer Science and Engineering, ADCET, Ashta	Chairperson	
2.	Dr. V. R. Ghorpade Bharati Vidyapeeth's College of Engineering, Kolhapur	Member	Attended online
3.	Dr. Rashmi Rout Associate Professor, Dept of CSE, NIT, Warangal.	Member	Attended online
4.	Dr. B. B. Meshram Professor, Computer Engineering and Information Technology, VJTI, Mumbai.	Member	Attended online
5.	Dr. Munir Sayyad Assistant Vice President, JIO	Member	Attended online
6.	Mr. L Ganesh Kumar Digital Consulting Partner, Wipro Limited.	Member	Attended online





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7.	Mr. Vishal Tingre Principal Engineer, ElasticRun, Pune	Member	Attended online
8.	Mr. A. S. Dange Assistant Professor, Department of Computer Science and Engineering, ADCET, Ashta	Member	
9.	Mrs. A. N. Mulla Associate Professor, Department of Computer Science and Engineering, ADCET, Ashta	Member-Secretary	
10.	Mr. S. P. Patil Assistant Professor, Department of Computer Science and Engineering, ADCET, Ashta	Member	
11.	Mr. A. S. Dange Assistant Professor, Department of Computer Science and Engineering, ADCET, Ashta	Member	-
12.	Mr. S. D. Khatavkar Assistant Professor, Department of Computer Science and Engineering, ADCET, Ashta	Member	
13.	Mr. S. G. Sutar Assistant Professor, Department of Computer Science and Engineering, ADCET, Ashta	Member	





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14.	Mrs. S. S. Solapure Assistant Professor, Department of Computer Science and Engineering, ADCET, Ashta	Member	
15.	Mr. Y. S. Lubal Assistant Professor, Department of Computer Science and Engineering, ADCET, Ashta	Member	
16.	Mrs. Madhuri J Siddharapu Assistant Professor, Department of CSE [Internet of Things and Cyber Security including Blockchain Technology] ADCET, Ashta	Member	


Mrs. A. N Mulla
Member Secretary
Board of Studies (BoS)


Dr. Smriti H Bhandari
Chairperson
Board of Studies (BoS)



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27/08/2022

MINUTES OF THE MEETING
SECOND BOARD OF STUDIES

DATE: 27-08-2022, AT 2.30 PM

VENUE: Online Mode using Microsoft Team in CSE Department

The 2nd meeting of Board of Studies (BoS) of Undergraduate Programme, B.Tech., at Department of Computer Science and Engineering (Internet of Things, Cyber Security including Block Chain Technology), ADCET, Ashta was held on 27-08-2022, at 2.30 PM in the CSE Department in online mode using Microsoft Teams Platform. Mr. S. S. Sayyad HOD CSE chaired the Meeting.

The following is the list of BoS Members:

Sr. No.	Name	Position
1.	Mr. S. S. Sayyad Head and Chairman BoS, Department of Computer Science and Engineering, ADCET, Ashta, Sangli	Chairman
2.	Dr. V. R. Ghorpade Bharati Vidyapeeth's College of Engineering, Kolhapur	Member
3.	Dr. Rashmi Rout Associate Professor, Dept of CSE, NIT, Warangal.	Member
4.	Dr. B.B. Meshram Professor, Computer Engineering and Information Technology, VJTI, Mumbai.	Member
5.	Dr. Munir Sayyad Assistant Vice President, JIO	Member
6.	Mr. L Ganesh Kumar Digital Consulting Partner Wipro Limited.	Member
7.	Mr. Vishal Tingre Principle Architect, Cognizant, Pune	Member
8.	Mr. A S Dange Assistant Professor, Department of Computer Science and Engineering, ADCET, Ashta	Member-Secretary
9.	All the Faculties of Department of Computer Science and Engineering at ADCET Ashta Sangli	Members

Dr. V. R. Ghorpade S, Dr. Rashmi Rout, Dr. B.B. Meshram, Dr. Munir Sayyad, Mr. L Ganesh Kumar, Mr. Vishal Tingre attended the meeting. The Chairman extended a warm welcome to all



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the members in the meeting and Mrs. Madhuri J Siddharapu presented the vote of thanks to end up the meeting.



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Agenda of the meeting and resolutions are as follows:

Agenda Item No.1: To confirm the minutes of meeting of BoS held on 20/11/2021

Resolution – Confirmed.

Agenda Item No.2: To place before the BoS the report about the action taken on the decisions of its meeting held on 20/11/2021

The chairman presented the summary of action taken on the suggestions of BoS in the last meeting. Members appreciated the action taken.

Agenda Item No.3: To discuss and approve Second Year to Final Year Structure.

The chairman presented Second Year to Final Year Structure. Following points were discussed in a panel by Dr. B.B. Meshram, Mr. L Ganesh Kumar and Mr. Vishal Tingre.

1. The discussion was about making “Software Engineering” course as professional core rather than professional elective.
2. Web Technology should be included before 5th semester in order to understand Block chain technology.
3. Change title of the Open Elective-II course “Database Security and Access Control” to “Database Security”.
4. Instead of “Intrusion Detection and Internet Security” course which is professional Elective-V, TCP/IP Network Security course can be introduced.
5. Suggested to change the title of the course “Cyber Security and Cyber Laws” to “Cyber Crimes and Security” and include 1 unit on Cyber Laws.
6. Suggested to change the title of the course “Ethical Hacking and Tools” considering protection mechanisms.
7. Dr. B. B. Meshram suggested to change the title of the course “Crime Investigation and Forensics” to “Cyber Crime Investigation and Forensics”

Agenda Item No.4: To discuss and approve curriculum contents of Second Year B. Tech.

Respective course coordinators presented the course curriculum of Second Year B. Tech. to all BoS Members. The suggestions given by the BoS members are listed as given below.

A. Course: Discrete Mathematics and TOC

Dr. B.B. Meshram suggested to change title of the course “Discrete Mathematics and TOC” to “Discrete Mathematics and Applications”.

Mr. L Ganesh Kumar suggested to include concepts such as probability, number theory, set theory, graph theory in Discrete Mathematics and TOC.



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Mr. Vishal Tingre also suggested to add stochastic processes in Discrete Mathematics and TOC which will be helpful for better understanding for IOT, Cryptography and Block chain related courses.

B. Course: Data Structures

Dr. B.B. Meshram suggested to change title of the course of the course: "Data Structures" to "Data Structures and Algorithms"

Mr. L Ganesh Kumar suggested to add graph algorithms in unit 6 of Data Structures.

C. Course: Operating System

Mr. Vishal Tingre suggested to change contents of Unit 6 and include protection and security concepts with respect to Operating system. Also introduction to security model layers must be included.

D. Course: Smart Sensors and Actuators

Mr. Vishal Tingre suggested adding concepts such as calibration, basics to P, PI, PD and PID control systems in unit 3.

Mr. L Ganesh Kumar suggested to add smart sensors in AI and automation in unit 6.

E. Course: Psychology

Curriculum is discussed and approved without any change.

F. Course: Data Structures Laboratory

Curriculum is discussed and approved without any change

G. Course: Operating System Laboratory

Curriculum is discussed and approved without any change

H. Course: Programming Laboratory-I (Java)

Mr. Vishal Tingre suggested to include concepts such as ORM and Hibernate in syllabus and also implement distributed algorithms for multithreading during practical sessions.

I. Course: Environmental Studies

Curriculum was discussed and approved without any change.

J. Course: Statistics, Probability and Fuzzy Logic

Curriculum was discussed and approved without any change.

K. Course: Database Engineering

Dr. B.B. Meshram suggested to change title of the course to "Database Management System".

Mr. L Ganesh Kumar suggested to include Database security concepts in the syllabus.



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L. Course: Microprocessor and Microcontroller

Mr. L Ganesh Kumar suggested to include introduction to 8086 microprocessor in unit 3 and also add case studies in unit 6 with respect to microcontroller.

M. Course: Professional Elective-I (Software Engineering)

Mr L Ganesh Kumar suggested to include Scrum, deployment management and release management in the syllabus.

N. Course: Professional Elective-I (Object Oriented Modeling and Design)

Curriculum was discussed and approved without any change.

O. Course: Professional Elective-I (Computer Organization and Architecture)

Curriculum is discussed and approved without any change.

P. Course: Universal Human Values-I

Curriculum is discussed and approved without any change.

Q. Course: Database Engineering Laboratory

Dr. B.B. Meshram suggested to change title of the course to “Database Management System Laboratory”.

R. Course: Microprocessor and Microcontroller Laboratory

Curriculum is discussed and approved without any change.

S. Course: Programming Laboratory – II (Python)

Curriculum is discussed and approved without any change.

Resolution:-

After undergoing the changes revised Second Year B. Tech. (CSE) Curriculum will be sent to BoS for approval.

Agenda Item No. 5: To discuss the changes in First year Structure in order to accommodate institute level credit structure.

Chairman Mr. S. S. Sayyad presented the revision in number of credits for CSE (Internet of Things, Cyber Security including Blockchain Technology). It was approved by all members

Resolution:-

It is decided to reduce 1 credit for the courses “Problem Solving using C”, “Design Thinking Laboratory” and “Object Oriented Programming” without changing contact hours in order to balance total credits for First Year Curriculum.



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Agenda Item No. 6: Any other item with the permission of the chair

No special discussion was carried out.



**Member Secretary
(BoS)**



**Chairman Board of Studies
Board of Studies (BoS)**

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Department of Computer Science and Engineering
(Internet of Things, Cyber Security including Block Chain Technology)

Annexure - I

Action taken on suggestions received in BoS Meeting held on 27/08/2022

Agenda Item: 1

Sr. No	Suggestions	Action Taken
1	To confirm the minutes of meeting of BoS held on 20/11/2021	Minutes of meeting of BoS held on 20/11/2021 was confirmed.

Agenda Item: 2

Sr. No	Suggestions	Action Taken
1	The chairman presented the summary of action taken on the suggestions of BoS in the last meeting. Members appreciated the action taken.	---

Agenda Item: 3

Sr. No	Suggestions	Action Taken
1	The discussion was about making "Software Engineering" course as professional core rather than professional elective.	Software Engineering Course is included in Sem-VI as professional core course. For the same Machine Learning course is shifted to sem-VII
2	Web Technology should be included before 5th semester in order to understand Block chain technology.	Web Technology course is shifted to sem-IV.
3	Change title of the Open Elective-II course "Database Security and Access Control" to "Database Security".	The title of the course "Database Security and Access Control" is changed to "Database Security".
4	Instead of "Intrusion Detection and Internet Security" course which is professional Elective-V, TCP/IP Network Security course can be introduced.	TCP/IP Network Security course is included in professional Elective-V.
5	Suggested to change the title of the course "Cyber Security and Cyber Laws" to "Cyber Crimes and Security" and include 1 unit on Cyber Laws.	After discussion with internal BoS members and faculties "Cyber Security and Cyber Laws" course is replaced with "Data Encryption, Steganography and Digital watermarking"
6	Suggested to change the title of the course "Ethical Hacking and Tools" considering protection mechanisms.	After discussion with internal BoS members and faculties "Ethical Hacking



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		and Tools” course is replaced with “Database Security”
7	Dr. B. B. Meshram suggested to change the title of the course “ Crime Investigation and Forensics” to “Cyber Crime Investigation and Forensics”	After discussion with internal BoS members and faculties “Crime Investigation Forensic” course is removed from structure. AICTE Model Curriculum for Minor Degree of Cyber Security is considering while proposing courses

Agenda Item : 4

Sr. No	Suggestions	Action Taken
1	Course: Discrete Mathematics and TOC – Dr. B.B. Meshram suggested to change title of the course “Discrete Mathematics and TOC” to “Discrete Mathematics and Applications”. Mr. L Ganesh Kumar suggested to include concepts such as probability, number theory, set theory, graph theory in Discrete Mathematics and TOC. Mr. Vishal Tingre also suggested to add stochastic processes/theory in Discrete Mathematics and TOC which will be helpful for better understanding for IOT, Cryptography and Block chain related courses.	As per discussion with faculty members it is decided not to change the title , as Theory of computation is also part of the course. Probability, set theory is already present in the contents but Number theory and Stochastic process can't be added as contact hours are limited and more contents cannot be covered.
2	Course: Data Structures - Dr. B.B. Meshram suggested to change title of the course of the course: Data Structures” to Data Structures and Algorithm” Mr. L Ganesh Kumar suggested to add graph algorithms in unit 6 of Data Structures	With discussion of internal faculties and Dr. B.B. Meshram, it is decided not to change the name of course. Algorithms will have a separate course as Design and Analysis of Algorithms. So the Data Structures course name is unchanged. As per the suggestion given by Mr. L Ganesh Kumar to add graph algorithms in Data Structure syllabi, these concepts are covered in Design and Analysis of Algorithms.
3	Course: Operating System - Mr. Vishal Tingre suggested to change contents of Unit 6 and include protection and security concepts with respect to Operating system. Also introduction to security model layers must be included.	As per suggestion unit no.6 contents are revised. System protection and security contents are added in Unit 6
4	Course: Smart Sensors and Actuators - Mr. Vishal Tingre suggested adding concepts such as calibration, basics to P, PI, PD and PID control systems in unit 3. Mr. L Ganesh Kumar suggested to add smart sensors in AI and automation in unit 6.	As per the suggestions received by Mr Vishal Tingre and Mr L Ganesh Kumar, contents such as sensor calibration, Types of controllers: Proportional, Proportional-Integral(PI), Proportional-Derivative(PD), Proportional-Integral-Derivative (PID) are



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		added in Unit 3 and Smart sensors in AI and Automation is added in Unit 6.
5	Course: Programming Laboratory-I (Java) Mr. Vishal Tingre suggested to include ORM instead of JDBC for Database connectivity. Also he suggested to include Hibernate in syllabus. During practical session implement distributed algorithms for multithreading.	As per the suggestions, Hibernate and ORM is included in the syllabus. Experiment list is been updated by adding Distributed Algorithms using multithreading.
6	Course: Database Engineering - Dr. B.B. Meshram suggested to change title of the course to "Database Management System". And accordingly change Laboratory course title to "Database Management System Laboratory". Mr. L Ganesh Kumar suggested to include Database security concepts in the syllabus.	As per the suggestions title of the course is changed to "Database Management System". And Laboratory course title changed to "Database Management System Laboratory". Also Database security concepts are included in unit 6.
7	Course: Microprocessor and Microcontroller- Mr. L Ganesh Kumar suggested to include introduction to 8086 microprocessor in unit 3 and also add case studies in unit 6 with respect to microcontroller.	As per the suggestions, introduction to 8086 microprocessor is added in Unit 3. Also case studies such as : Bluetooth controlled home automation system using 8051, traffic light controller using 8051, industrial automation using 8051 microcontroller are added in unit 6
8	Course: Professional Elective-I Software Engineering- Mr. L Ganesh Kumar suggested to include Scrum, deployment management release management and jira project management tool in the syllabus.	As per the suggestions Scrum, deployment management, release management and jira project management tool are added in the syllabus.
9	Course: Database Engineering Laboratory - Dr. B.B. Meshram suggested to change title of the Laboratory course to "Database Management System Laboratory".	The title of the Laboratory course is changed to " Database Management System Laboratory"



Suban

Chairman

BoS, CSE (IoT, Cyber Security including Blockchain Technology)