NPR
COLLEGE OF ENGINEERING & TECHNOLOGY
(AUTONOMOUS)

NPR — Group of Institutions — Reach the Star

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NAAC

Faculty	:	Computer Science and Engineering & Information Technology
Program Offered	:	1. B.E Computer Science and Engineering
		2. B.Tech Information Technology
		3. B.Tech Artificial Intelligence and Data Science
Date & Time	:	01st September 2023 at 10.00 a.m.
Venue	:	Board Room

AGENDA

1. Welcome address by Board of Chairman

2. Presentation by Board of Chairman and Program HOD's

3. Suggestion by Expert members

4. Any other matters / discussion

5. Concluding remarks and vote of thanks

Signature of the BoS Chairman

Dr. K. ...

Minutes of the Board of Studies meeting

Faculty	:	Computer Science and Engineering & Information Technology
Program Offered	:	1. B.E Computer Science and Engineering
		2. B.Tech Information Technology
		3. B.Tech Artificial Intelligence and Data Science
Date & Time	:	01st September 2023 at 10.00 a.m.
Venue	:	Board Room

The Members of the Board of Studies are:

S. No.	Member Category	Name, Designation and Affiliation
1.	Chairman	**Dr. K. Ramanan,** Associate Professor & Head Department of Computer Science and Engineering NPR College of College of Engineering and TechnologyDindigul. Contact No. : 9442664938, Email : ramanank@nprcolleges.org

S. No.	Member Category	Computer Science and Engineering		
		S. No.	Name of the Faculty	Designation
2.	All Faculty Members of the Department	1.	Dr. M. Indra devi	Professor
		2.	Mr. M. Arockia Irudayaraja	Assistant Professor
		3.	Mrs. S. Ummugulthum Nachiar	Assistant Professor
		4.	Mrs.J.Prisca Mary	Assistant Professor
		5.	Mr.P. Manivel Pandian	Assistant Professor
		6.	Mrs. V. Sujitha	Assistant Professor
		7.	Mrs.K. Rajalakshmi	Assistant Professor
		8.	Mrs. M. Kalarani	Assistant Professor
		9.	Mrs. M. Santhana Lakshmi	Assistant Professor
		10.	Mrs. P. Kaleeswari	Assistant Professor
		11.	Mr. M. Asif Raja	Assistant Professor
		12.	Mr. Nedun chezhia Pandian	Assistant Professor
		Information Technology		
		13.	Mrs. C. Kalpana, HOD i/c	Assistant Professor
		14.	Mrs. M. Raja Sulochana	Assistant Professor

			Artificial Intelligence and Data Science	
		15.	Dr. M. Jenifer	Associate Professor & Head
		16.	Mrs. A.S.Surya Pattatharasi	Assistant Professor
		17.	Mrs. G. Sashikala	Assistant Professor
3.	Subject Experts from outside of the parent university	**Dr. S. Sreether** Associate Professor, School of Computer Science and Engineering,Vellore Institute of Technology, Vellore-632014		
		Dr. K. Saravanan, Professor, Department of Information Science and Engineering,New Horizon College of Engineering, Bangalore-560103.		
4.	University Nominee	**Dr. V. Ramya** Associate Professor, Department of Computer Science and Engineering Government College of Engineering, Bodinayakanur.		
5.	Industrial / Corporate sector / Allied Sector Expert	**Mr. Durgesh R K** Senior Associate & Technical Lead, (CTS)Cognizant Technology Solutions India Pvt. Ltd.ELCOT SEZ, Sholinganallur, Chennai- 600119		
6.	Industrial / Corporate sector / Allied Sector Expert	**Mr.P.Charles,** HR Leader, Zoho Corporation, Chennai.		
7.	College Alumni	**Mr. K. B. Seshan** Senior Developer, Corestack,RMZ One Paramount, Plot 110 1st Floor, Mount Poonamallee Rd,Porur, Chennai- 600024.		
8.	Experts from outside the Autonomous college	**Dr. V. Murali Bhaskaran,** Professor in CSE and Dean Academics, Rajalakshmi Engineering College, Rajalakshmi Nagar,Thandalam, Chennai - 602 105.		

Chairman - BoS

Dr. Je. ...

Dr.K.Ramanan, Chairman, Board of Studies of the Faculty of Computer science and Engineering welcomed and introduced the BoS members for the first BoS meeting. He started the presentation with a brief introduction to the Program Educational Objectives, Program Outcomes, Program Specific Outcomes of B.E. Computer Science and Engineering. He explained the highlights of the new curriculum to the members.

B.E. Computer Science and Engineering

Based on the following suggestions given by the members, the Chairman of BoS suggestions were incorporated appropriately in the Curriculum and Syllabus of Semester 1 & 2

Suggestions given by Dr. V. Ramya - University Nominee

➢ She Suggested to combine the course Data Structures from third semester and Algorithms from fourth Semester.

➢ She recommended to move the course Object Oriented software engineering from semester six to semester four.

➢ The Environmental Science and Sustainability Course may be shifted to Second semester or mandatory course with no credit.

➢ In Seventh Semester she suggested to add the course Research Paper Writing.

➢ Clear information regarding online course completion by the students must be described in the regulations itself.

Suggestions given by Dr. S. Sreether - Subject Expert

➢ He suggested, Programming in C may be shifted to first semester.

➢ He suggested to when we moving the course from semester to another semester with consideration of balanced credits.

➢ Dr. S. Sreether suggested to frame the syllabus based on the student potential.

Suggestions given by Mr. Durgesh R K - Industrial Expert

➢ He suggested that students should not allowed for paid internship.

➢ According to the industry perspective Mr. Durgesh R K recommended for our students must possess programming skills in Java and Advanced Python.

➢ He recommended Open elective course may be selected by the students in two aspects, one in improvement of communication skills and industrial engineering.

BoS- Chairman

Suggestions given by Dr. K. Saravanan - Subject Expert

- ➢ He Suggested to compare the curriculum with other colleges for better formation of curriculum.
- ➢ He recommended to conduct viva-voce and report submission after completion of the internship
- ➢ Dr.K.Saravanan suggested for proper mapping of CO,PO and PSO for the courses.
- ➢ He recommended to relevant Course Outcomes with proper Blooms Taxnomy levels.

Suggestions given by Dr. V. Murali Bhaskaran - Subject Expert

- ➢ The Mission Statements may be changed by including the terminologies such as Quality of Education, Innovative Projects, Ethical relevant.
- ➢ The Course Programming in C may be included in Semester I for understanding the basic concepts.
- ➢ The Course Problem Solving and python programming may be shifted from semester 1 to semester 2
- ➢ He suggested, CSE students may study the programming languages in the following Sequences C, Python, OOPS with Java and advanced Java respectively.
- ➢ He recommended to do the project in Data Sciences Laboratory and end semester examination may be evaluated by students' projects.
- ➢ He suggested, Students may refer the Hindu article data point for datasets.
- ➢ Arduino, Sensors and Raspberry pi concepts may be included in embedded system course
- ➢ He also added industry constitution courses may be selected in mandatory course.
- ➢ He recommended to change the algorithm course as Design And Analysis of Algorithm in fourth semester.

Suggestions given by Mr. K. B. Seshan, Alumni

- ➢ He recommended Data science lab course projects, students may utilize State and Central government data which are publicly available.
- ➢ He Suggested the curriculum may include the Electronics subjects such as Arduino, Sensor, IOT in the course.
- ➢ He also recommended three levels of internship and third level must be in internship with placement.
- ➢ He suggested to include advanced java course in the curriculum for industry expectation.

BoS- Chairperson

B.Tech Information Technology

Based on the following suggestions given by the members, the Chairman of BoS suggestions were incorporated appropriately in the Curriculum and Syllabus of Semester 1 & 2

Suggestions given by Dr. V. Ramya - University Nominee

- She recommended **Problem Solving and Programming in C as Integrated Subject in Semester – I.**
- **Python Programming** (Theory & Laboratory) in **Semester – II.**
- Instead of **Engineering Graphics**, She Suggested **Environmental Science and Sustainability in Semester – II** as mandatory course.
- **Object Oriented Programming** (Theory & Laboratory) in **Semester – III.**
- She suggested us to differentiate **at least 7 subjects** in the IT Curriculum, when compared to CSE Curriculum.
- She recommended **Analog and Digital Communication** as a new subject in **Semester-III**
- She recommended us to include **Computer Vision, Mobile Application Development** and **Cloud Service Management** in the higher semesters.
- She advised to include **Research Paper Writing and Publications** as 1 Credit course in Semester – VII.
- She suggested us to include **Statistics with MATLAB concepts** in the subject Probability and Statistics.

Suggestions given by Dr. S. Sreether - Subject Expert

- He suggested **Environmental Science and Sustainability** as Mandatory Course in Semester – II.
- He suggested us to differentiate **at least 7 subjects** in the IT Curriculum, when compared to CSE Curriculum.
- He recommended us to reduce the syllabus for the core papers and give importance for technical skills.

Suggestions given by Mr. R. K. Durgesh - Industrial Expert

- In Semester – II **Object Oriented Programming** subject, he advised us to change

BoS- Chairman

the Syllabus from Unit - I to V by adding OOPS Concepts in Unit – I and Java Concepts from Unit - II to V.

- He advised to frame the syllabus as per industry needs.
- He suggested us to motivate the students for free internship in top MNC companies, as per the duration of internship provide credits for the students.

Suggestions given by Dr. K. Saravanan - Subject Expert

- He advised to change the Second Mission Statement of the IT Department.
- He advised to concentrate on the Course Outcome of each subject and advised us to practice more in CO-PO-PSO mapping.
- He suggested us to include Mobile Application Development Theory subject also.
- He suggested us to keep viva voce during the internship report submission.

Suggestions given by Dr. V. Murali Bhaskaran - Subject Expert

- As a learning point of view for the students, Each and Every student should know about the basic concepts of C Programming. So, he recommended **Problem Solving and Programming in C** as Integrated Subject in **Semester – I.**
- **Python Programming** (Theory & Laboratory) in **Semester – II.**
- Instead of **Engineering Graphics,** He Suggested **Environmental Science and Sustainability** as Mandatory Course in **Semester – II.**
- **Object Oriented Programming** (Theory & Laboratory) in **Semester – III.**
- He suggested us to give more real time ideas (i.e., Statistical Data's) for the students to concentrate in Practical Subject especially in Data Science Laboratory.
- He suggested us to include Aurdino, Raspbery, Sakthi Processors and case studies related to the topics in the Embedded Systems and IOT subject.
- He suggested **Indian constitution** course may be added in the list of mandatory courses.

Suggestions given by Mr. K. B. Seshan, Alumni

- As per industry needs, He suggested us to concentrate more in the subject Python Programming and Java Programming.
- In Semester – II **Object Oriented Programming** subject, he suggested us to change the Syllabus from Unit - I to V by adding OOPS Concepts in Unit – I and Java Concepts from Unit - II to V.
- He also suggested us to include **Advanced Java Programming** as Elective subject.

B.Tech. Artificial Intelligence and Data Science

Dr. M. Jenifer Head of the Department of Artificial Intelligence and Data science started the presentation with a brief introduction to the Program Educational Objectives, Program Outcomes, Program Specific Outcomes of B.Tech. Artificial Intelligence and Data Science. She explained the highlights of the new curriculum to the members.

The points which are discussed are

Suggestions given by Dr. V. Ramya - University Nominee

- She suggested that the Engineering Graphics should be removed in Semester II and it can be incorporated in Open Elective Course in the name "Engineering Graphics Design".
- She recommended that the Digital Principles and Computer Organisation should be shifted to Semester II from Semester III.
- These are the Suggestions given for Semester III

    i) She recommended that the Data Exploration and Visualization from Semester III should be shifted to Semester IV

    ii) She suggested that the Operating Systems from Semester IV should be Shifted to Semester III) She suggested that the Operating Systems from Semester IV should be Shifted to Semester III and it can be renamed as System Software and Operating Systems.

    iii)She suggested that the Design and Analysis of Algorithms can be renamed as Algorithmic Problem-Solving Techniques

    iv) She suggested that the Course Intelligent Agents and Intelligent Agents Laboratory should be renamed as Intelligent Systems and Intelligent Systems Laboratory

- These are the Suggestions given for Semester V

    i) She recommended that the Distributed Computing should be shifted to Professional Elective -III(Cloud Computing and Data centre technologies)

    ii) She suggested that the Data and Information Security from Semester -VI should be shifted to Semester -V.

BoS -chairperson

- ➤ These are the Suggestions given for Semester VI

i)She suggested that the Robotics Process Automation should be added to the Semester IV from Professional Electives Vertical VI (Emerging Technologies)

ii) Computer Networks should be renamed as Network essentials changed as theory course instead of Integrated Course.

Suggestions given by Dr. S. Sreether - Subject Expert

- ➤ These are the Suggestions given for Semester IV

(i) He suggested that the Cloud Computing should be added to the Semester IV from Professional Electives Vertical – III (Cloud Computing and Data centre technologies)

Suggestions given by Mr. Durgesh R K - Industrial Expert

- ➤ He suggested that students should not allowed for paid internship.
- ➤ He recommended to add the following Courses in the respective verticals of professional Elective based upon the industry needs:

  i) Reinforcement Learning in Professional Elective Vertical-1

  ii) Autonomous systems and drones in Professional Elective vertical -VI

  iii) Machine Intelligence for Medical Image Analysis in Professional Elective -VII

- ➤ In Semester VI, he Recommended to introduce new course as "Advance Python". It Should cover the topic such as oops concepts, multithreading, programming and functional networks and the python framework such as Flask, Django or other application frameworks.
- ➤ He recommended Open elective course may be selected by the students in two aspects, one in improvement of communication skills and industrial engineering.

Suggestions given by Dr. K. Saravanan - Subject Expert

- ➤ The Subject Expert recommended to add the following Courses in the respective Professional Elective Verticals-

  i) Web Technologies in Professional Elective Vertical-II

  ii) Distributed Computing in Professional Elective Vertical -III

- ➤ He suggested that the courses like Programming in C, Java programming should be given to students as value added Course.

Suggestions given by Dr. V. Murali Bhaskaran - Subject Expert

- ➤ He recommended to add a new course Indian Constitution as a mandatory course.

BDS- Chairman

- He suggested that the Fundamentals of Data Science and Analytics and Data Science Analytics Laboratory should be shifted from Semester IV to Semester III as an integrated course and end semester examination may be evaluated by students projects.
- He suggested that the Machine Learning and Machine Learning Laboratory in the Semester IV can be given as an integrated course.

Suggestions given by Mr. K. B. Seshan , Alumni

- In Semester VII, he suggested that the Human Values and Ethics should be replaced as a course Ethics for AI from Professional Vertical for AIDS -II
- Research paper writing and publication (EEC course) should be introduced.
- He recommended Data science lab course projects, students may utilize State and Central government data which are publicly available
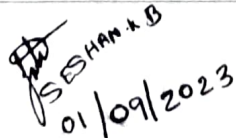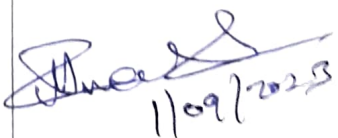
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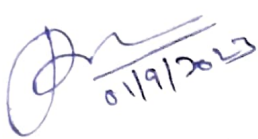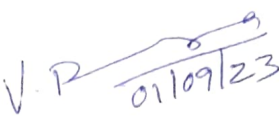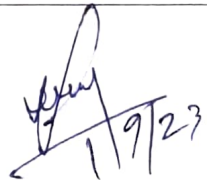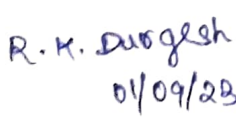
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BoS, Chairman	University Nominee
Dr. K. Ramanan Associate Professor & Head Department of Computer Science and Engineering NPR College of College of Engineering and Technology Dindigul. Contact No. : 9442664938 Email : ramanank@nprcolleges.org	**Dr. V. Ramya** Associate Professor, Department of Computer Science and Engineering Government College of Engineering, Bodinayakanur

Subject Experts from outside of the parent university	
Dr. S. Sreether Associate Professor, School of Computer Science and Engineering. Vellore Institute of Technology, Vellore-632014	**Dr. K. Saravanan,** Professor, Department of Information Science and Engineering, New Horizon College of Engineering, Bangalore-560103.

Industrial / Corporate sector Expert	Department Alumni	Experts from outside the Autonomous college
Mr. Durgesh R K Senior Associate & Technical Lead, (CTS)Cognizant Technology Solutions India Pvt. Ltd. ELCOT SEZ, Sholinganallur, Chennai- 600119	**Mr. K. B. Seshan** Senior Developer, Corestack,RMZ One Paramount, Plot 110 1st Floor, Mount Poonamallee Rd, Porur, Chennai- 600024.	**Dr. V. Murali Bhaskaran,** Professor in CSE and Dean Academics, Rajalakshmi Engineering College, Rajalakshmi Nagar, Thandalam, Chennai - 602 105.

Absent
Industrial / Corporate sector Expert
Mr.P.Charles, HR Leader, Zoho Corporation, Chennai.

BOS – Chairman

Dr. K. Balu

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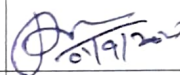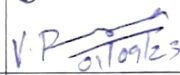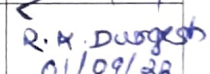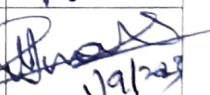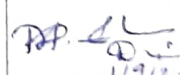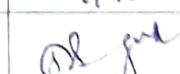
Computer Science and Engineering & Information Technology

Board of studies Meeting - Attendance Report

Date : 01.09.2023   **Time**:10.30 a.m.   **Venue**: Board Room

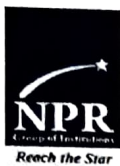| S. No	Name	Designation	Association	Signature
1.	Dr. K. Ramanan	Professor & Head	Board of Chairman	
2.	Dr. V. Ramya	Associate Professor	University Nominee	
3.	Dr. S. Sreether	Associate Professor	Subject Experts	
4.	Dr. K. Saravanan,	Professor	Subject Experts	
5.	Mr. R .K Durgesh	Senior Associate & Technical Lead,	Industrial / Corporate sector	
6.	Mr. K. B. Seshan	Senior Developer	Alumni	
7.	Dr. V. Murali Bhaskaran	Professor in CSE and Dean Academics	Experts from outside the Autonomous college	

Members of the faculty – Computer Science and Engineering

S. No	Name	Designation	Association	Signature
8.	Dr. M. Indra devi	Professor	Faculty Member	
9.	Mr. M. Arockia Irudayaraja	Assistant Professor	Faculty Member	
10.	Mrs. S. Ummugulthum Nachiar	Assistant Professor	Faculty Member	
11.	Mrs.J.Prisca Mary	Assistant Professor	Faculty Member	
12.	Mr.P. Manivel Pandian	Assistant Professor	Faculty Member	
13.	Mrs. V. Sujitha	Assistant Professor	Faculty Member	
14.	Mrs.K. Rajalakshmi	Assistant Professor	Faculty Member	
15.	Mrs. M. Kalarani	Assistant Professor	Faculty Member	
16.	Mrs. M. Santhana Lakshmi	Assistant Professor	Faculty Member	

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17.	Mrs. P. Kaleeswari	Assistant Professor	Faculty Member	
18.	Mr. M. Asif Raja	Assistant Professor	Faculty Member	
19.	Mr. Nedun chezhia Pandian	Assistant Professor	Faculty Member	

Members of the faculty - Information Technology

| 20. | Mrs. C. Kalpana | Assistant Professor, HOD i/c | Faculty Member | |
| 21. | Mrs. M. Raja Sulochana | Mrs. M. Raja Sulochana | Faculty Member | AB |

Members of the faculty - Artificial Intelligence and Data Science

22.	Dr. M. Jenifer	Associate Professor & Head	Dr. M. Jenifer	1/9/23
23.	Mrs. A.S.Surya Pattatharasi	Assistant Professor	Mrs. A.S.Surya Pattatharasi	AB
24.	Mrs. G. Sashikala	Assistant Professor	Mrs. G. Sashikala	AB

Invited Members

1	Dr.S.Manivasan	Professor & First year Coordinator	Faculty Member	
2	Dr.M.Sridharan	Assistant Professor & Head/Maths	Faculty Member	
3	Dr.S.Naga Subramaian	Assistant Professor/Chemistry	Faculty Member	01/09/23
4	Mr.V.Vijayanarayanan	Associate Professor/Physics	Faculty Member	01/09/23
5	Dr.P.Sulochana	Assistant Professor / English	Faculty Member	01/09/23

Dr.K.Ramanan
Chairman BoS

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

FIRST BOARD OF STUDIES MEETING

HELD ON 01-09-2023

ACTION TAKEN REPORT

S.No.	Faculty Name	Suggestions Given	Action Taken
1.	**Dr. V. Ramya** Associate Professor, Department of Computer Science and Engineering Government College of Engineering, Bodinayakanur. **(University Nominee)**	She Suggested to combine the course Data Structures from third semester and Algorithms from fourth Semester.	The Course Data Structures from third semester and Algorithms from fourth Semester was combined.
		She recommended to move the course Object Oriented software engineering from semester six to semester four.	Object Oriented Software Engineering course has been shifted from sixth semester to fourth semester.
		The Environmental Science and Sustainability Course may be shifted to Second semester or mandatory course with no credit.	Environmental Sciences and Sustainability course has been shifted from fourth to second semester
		In Seventh Semester she suggested to add the course Research Paper Writing.	The new course Research Paper Writing was included in seventh semester
		Clear information regarding online course completion by the students must be described in the regulations itself.	The suggestion has been incorporated
2.	**Dr. S. Sreether** Associate Professor, School of Computer Science and Engineering, Vellore Institute of Technology, Vellore-632014 **(Subject Experts from outside of the parent university)**	He suggested, Programming in C may be shifted to first semester.	The Programming in C Course was shifted to first semester
		He suggested to when we moving the course from semester to another semester with consideration of balanced credits.	The suggestion has been incorporated
		suggested to frame the syllabus based on the student potential.	The suggestion has been incorporated

Head of the Department
Department of Computer Science & Engineering
NPR College of Engineering & Technology
Natham, Dindigul (DT) - 624 401.

3.	**Dr. K. Saravanan,** Professor, Department of Information Science and Engineering, New Horizon College of Engineering, Bangalore-560103. **(Subject Experts from outside of the parent university)**	He Suggested to compare the curriculum with other colleges for better formation of curriculum.	We compared with other colleges while framing the curriculum
		He recommended to conduct viva-voce and report submission after completion of the internship	The suggestion has been incorporated
		Suggested for proper mapping of CO, PO and PSO for the courses.	The suggestion has been incorporated
		He recommended to relevant Course Outcomes with proper Blooms Taxnomy levels.	The suggestion has been incorporated
4.	**Mr. Durgesh R K** Senior Associate & Technical Lead, (CTS)Cognizant Technology Solutions India Pvt. Ltd. ELCOT SEZ, Sholinganallur, Chennai- 600119 **(Industrial Expert)**	He suggested that students should not allowed for paid internship.	Already our students undergone internship, they will be motivated for future internship
		According to the industry perspective he recommended for our students must possess programming skills in Java and Advanced Python.	The suggestion will be incorporated while framing syllabus for higher semesters.
		He recommended Open elective course may be selected by the students in two aspects, one in improvement of communication skills and industrial engineering.	The suggestion will be incorporated while framing syllabus for higher semesters.
5.	**Dr. V. Murali Bhaskaran,** Professor in CSE and Dean Academics, Rajalakshmi Engineering College, Rajalakshmi Nagar, Thandalam, Chennai - 602 105. **(Experts from outside theAutonomous college)**	The Mission Statements may be changed by including the terminologies such as Quality of Education, Innovative Projects, Ethical relevant.	It was included in Program Educational Outcomes, but it will be incorporated in future in mission statement.
		The Course Programming in C may be included in Semester I for understanding the basic concepts.	The Programming in C Course was shifted to first semester
		The Course Problem Solving and python programming may be shifted from semester 1 to semester 2	The Course Problem Solving and python programming changed from semester 1 to semester 2
		He suggested, CSE students may study the programming languages in the following Sequences C, Python, OOPS	The suggestion has been incorporated

Head of the Department
Department of Computer Science & Engineering
NPR College of Engineering & Technology
Natham, Dindigul (DT) - 624 401.

		with Java and advanced Java respectively	
		He recommended to do the project in Data Sciences Laboratory and end semester examination may be evaluated by students' projects.	The suggestion will be incorporated while doing the Data Science Lab in higher semester.
		He suggested. Students may refer the Hindu article data point for datasets.	The suggestion will be informed to students and incorporated.
		Arduino, Sensors and Raspberry pi concepts may be included in embedded system course	The suggestion will be incorporated while framing syllabus for higher semesters.
		He also added industry constitution courses may be selected in mandatory course.	The suggestion will be incorporated while framing syllabus for higher semesters.
		He recommended to change the algorithm course as Design and Analysis of Algorithm in fourth semester.	The Course Data Structures from third semester and Algorithms from fourth Semester was combined.
6.	Mr. K. B. Seshan Senior Developer, Corestack,RMZ One Paramount, Plot 110 1st Floor, Mount Poonamallee Rd, Porur, Chennai- 600024. (College Alumni)	He recommended Data science lab course projects, students may utilize State and Central government data which are publicly available.	The suggestion will be informed to students and it was adapted by Naan Mudhalvan Course Projects
		He Suggested the curriculum may include the Electronics subjects such as Arduino,	The suggestion will be incorporated while framing syllabus for higher semesters.
		He also recommended three levels of internship and third level must be in internship with placement.	The suggestion will be informed to students and incorporated.
		He suggested to include advanced java course in the curriculum for industry expectation.	The suggestion will be incorporated while framing syllabus for higher semesters.

BOS-chairman

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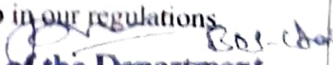## DEPARTMENT OF INFORMATION TECHNOLOGY

Action Taken Report for the First BOS meeting held on 01.09.2023

The following are the suggestions given by the BOS members and the action taken by us in our curriculum and syllabus,

S. No.	Name of the Expert	Suggestion given	Action Taken
1.	**Dr. V. Ramya** University Nominee	• We have removed Programming in C (Theory & Laboratory Subjects) in our curriculum when compared to Anna university curriculum. She recommended Problem Solving and Programming in C as Integrated Subject in Semester – I. • Python Programming (Theory & Laboratory) in Semester – II. • Object Oriented Programming (Theory & Laboratory) in Semester – III.	• As per the suggestions given by the expert, we have included Problem Solving and C Programming as Integrated Subject in Semester - I. So, we have shifted the following subjects as mentioned below, • Python Programming (Theory & Laboratory) from Semester – I to Semester – II. • Object-Oriented Programming (Theory & Laboratory) from Semester – II to Semester - III
		• She Suggested Environmental Science and Sustainability in Semester – II as mandatory course.	• We have planned to implement Environmental Science and Sustainability as 2 Credit Course in Semester – II.
		• She suggested us to differentiate at least 7 subjects in the IT Curriculum, when compared to CSE Curriculum. • She recommended Analog and Digital Communication as a new subject in Semester-III. • She recommended Computer Vision, Mobile Application Development and Cloud Service Management in the higher semesters.	• We have planned Analog and Digital Communication in Semester – IV, Computer Vision in Semester – V and Mobile Application Development in Semester – VII. • We have planned to take Cloud computing related subjects as Professional Electives.
		• She advised us to include Research Paper Writing and Publications as 1 Credit course in Semester – VII.	• As per the suggestions, we have included Research Paper Writing and Publications as 1 Credit course in Semester – VII
		• She suggested us to include Statistics with MATLAB concepts in the subject Probability and Statistics.	• We have planned to implement Statistics with MATLAB in future.

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S. No.	Name of the Expert	Suggestion given	Action Taken
2.	**Dr. S. Sreether** Subject Expert from outside of the parent university	• He suggested Environmental Science and Sustainability as Mandatory Course in Semester – II.	• We have planned to implement Environmental Science and Sustainability as 2 Credit Course in Semester - II.
		• He suggested us to differentiate at least 7 subjects in the IT Curriculum, when compared to CSE Curriculum.	• We have incorporated Analog and Digital Communication in Semester - IV, Web Essentials & Computer Vision subjects in Semester - V, Full Stack Development in Semester - VI and Mobile Application Development in Semester - VII.
		• He recommended us to reduce the syllabus for the core papers and give importance for technical skills.	• We planned to change our syllabus as per the guidelines given by our experts.
3.	**Mr. R. K. Durgesh** Industrial Expert	• Our Industrial Expert suggested us to change the syllabus for Object Oriented Programming subject, he advised us to change from Unit - I to V by adding OOPS Concepts in Unit – I and Java Concepts from Unit - II to V.	• As per the suggestions given by our Industrial Expert, we have changed the Syllabus for the subject Object-Oriented Programming as OOPS Concepts in Unit – I and Java Concepts from Unit - II to V.
		• He advised us to change the syllabus as per industry needs.	• We planned to change the syllabus and decided to give importance for technical skills as per the industry needs.
		• He suggested us to motivate the students for free internship in top MNC companies, as per the duration of internship provide credits for the students.	• We introduced Summer Internship – I in Semester - V and Summer Internship – II in Semester - VII as 2 credit courses.
4.	**Dr. K. Saravanan** Subject Experts from outside of the parent university	• He advised us to change the Second Mission Statement of the IT Department.	• We planned to change the Second Mission Statement for the IT Department as per the suggestions given by the expert.
		• He insisted us to concentrate on the Course Outcome of each subject and advised us to practice more in CO-PO-PSO mapping.	• We will concentrate in the Course Outcome of each subject and CO-PO-PSO mapping while framing the syllabus.
		• He suggested us to include Mobile Application Development Theory subject also.	• We decided to implement Mobile Application Development as Integrated Subject in Semester – VII.
		• He suggested us to keep viva voce during the internship report submission.	• We have planned viva voce for internship in our regulations.

S. No.	Name of the Expert	Suggestion given	Action Taken
5.	**Dr. V. Murali Bhaskaran** Experts from outside the Autonomous college	• He recommended Problem Solving and Programming in C as Integrated Subject in Semester – I. • Python Programming (Theory & Laboratory) in Semester – II. • Object Oriented Programming using Java (Theory & Laboratory) in Semester – III.	• As per the suggestions given by the expert, we have included Problem Solving and C Programming as Integrated Subject in Semester – I. So, we have shifted the following subjects as mentioned below. • Python Programming (Theory & Laboratory) from Semester – I to Semester – II. • Object-Oriented Programming using Java (Theory & Laboratory) from Semester – II to Semester - III.
		• Instead of Engineering Graphics, He Suggested Environmental Science and Sustainability in Semester – II as Mandatory Course.	• We have planned to implement Environmental Science and Sustainability in Semester – II as 2 Credit Course.
		• He suggested us to give more real time ideas (i.e., Statistical Data's) for the students to concentrate in Practical Subject especially in Data Science Laboratory.	• We planned to give more real time ideas (i.e., Statistical Data's) for the students as Practical assignment for the subject Data Science Laboratory.
		• He suggested us to include Aurdino, Raspbery Pi, Sakthi Processors and case studies related to the topics in the Subject Embedded Systems and IOT.	• We planned to include the topics Aurdino, Raspbery Pi and Sakthi Processors in the Subject Embedded Systems and IOT.
		• He suggested Indian constitution course may be added in the list of mandatory courses.	• We included Indian constitution course in the mandatory courses list.
6.	**Mr. K. B. Seshan** College Alumni	• As per industry needs, He suggested to concentrate more in the subject Python Programming and Java Programming.	• We have incorporated, Python Programming in Semester – II and Object Oriented Programming using Java in Semester – III.
		• In Semester – II Object Oriented Programming, he suggested us to change the syllabus from Unit – I to V. and Include OOPS Concepts in Unit – I and Java Concepts from Unit -II to V.	• As per the suggestions given by our alumni, we have changed the syllabus for the subject Object Oriented Programming using Java from Unit – I to V. We kept OOPS Concepts in Unit – I and Java Concepts from Unit -II to V.
		• He also suggested us to include Advanced Java Programming as Elective subject.	• We planned to give Advanced Java Programming as elective in the verticals.

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DEPARTMENT OF ARTIFICAL INTELLIGENCE AND DATA SCIENCE

Action Taken Report for the First BOS meeting held on 01.09.2023

S.NO	BOS Member Name	Suggestions Given	Action taken
1	Dr. V. Ramya ASP/CSE Government College of Engineering, Bodinayakanur	In the Semester II, the Engineering Graphics course should be removed and it can be incorporated in Open Elective Course in the name of "Engineering Graphics Design".	The course is incorporated as per the suggestions given
		The course "Digital Principles and Computer Organisation" should be shifted to Semester II from Semester III.	The course is reordered as per the suggestions given
		In the Semester III, i) Data Exploration and Visualization from Semester III should be shifted to Semester IV ii) Operating Systems from Semester IV should be Shifted to Semester III and it should be renamed as System Software and Operating Systems iii) Design and Analysis of Algorithms should be renamed as Algorithmic Problem Solving Techniques iv) Intelligent Agents and Intelligent Agents Laboratory should be renamed as Intelligent Systems and Intelligent Systems Laboratory	The courses are reordered as per the suggestions given
		In Semester V i)Distributed Computing should be shifted to Professional Elective - III(Cloud Computing and Data centre technologies) ii)Data and Information Security from Semester -VI should be shifted to Semester -V.	The courses are reordered as per the suggestions given
		In Semester VI i)Robotics Process Automation should be added to the Semester IV from Professional Electives Vertical VI (Emerging Technologies) ii)Computer Networks should be changed as theory course instead of	The courses are reordered as per the suggestions given and the Computer Networks is changed into theory course.

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		Integrated Course.	
2	Dr. S. Sreether ASP/CSE, Vellore Institute of Technology, Vellore	In Semester IV (i) Cloud Computing should be added to the Semester IV from Professional Electives Vertical – III (Cloud Computing and Data centre technologies).	Cloud Computing is added semester IV as per the suggestion given.
3	Mr. K. B. Seshan Senior Developer, Corestack, Porur, Chennai	In Semester VII, i)Human Values and Ethics should be replaced as a course Ethics for AI from Professional Vertical for AIDS -II.	Ethics for AI is added semester VII as per the suggestion given.
		ii)Research paper writing and publication (EEC course) should be introduced in Semester VII	Research paper writing and publication is introduced in Semester VII
4	Dr. V. Murali Bhaskaran, Professor , CSE Rajalakshmi Engineering College, Chennai	Recommended add a new course Indian Constitution as a mandatory course.	The course Indian Constitution is added in list of mandatory courses
		In Semester III, Fundamentals of Data Science and Analytics and Data Science Analytics Laboratory should be shifted from Semester IV to Semester III as integrated course and end semester examination may be evaluated by students' projects.	The Course is rearranged and changed into integrated course in Semester as per the suggestions given
		Machine Learning and Machine Learning Laboratory in the Semester IV can be given as an integrated course.	The Course is incorporated as an integrated course as per the suggestions given
5	Mr. Durgesh R K, Senior Associate & Technical Lead, (CTS)Cognizant Technology Solutions India Pvt. Ltd. Chennai.	Recommended to add the following Courses in the respective verticals of professional Elective based upon the industry needs: i)Reinforcement Learning in Professional Elective Vertical-1 ii) Autonomous systems and drones in Professional Elective vertical -VI iii) Machine Intelligence for Medical Image Analysis in Professional Elective -VII	The recommended courses are added in the Professional Elective Verticals

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		In Semester VI, it is recommended to introduce new course as "Advance Python". Which cover the topic such as oops concepts, multithreading, programming and functional networks and the python framework such as Flask, Django or other application frameworks.	Advance Python course is added in the semester VI. The suggestion will be incorporated while framing syllabus for higher semesters.
6	Dr. K. Saravanan, Professor, Department of Information Science and Engineering, New Horizon College of Engineering, Bangalore	It is recommended to add the following Courses in the respective Professional Elective Verticals- i)Web Technologies in Professional Elective Vertical-II ii)Distributed Computing in Professional Elective Vertical -III	The recommended courses are added in the Professional Elective Verticals
		It is suggested that the courses like Programming in C,Java programming should be given to students as value added Course.	The suggestion will be incorporated

64/9/2023

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