



(An Autonomous Institution - AFFILIATED TO ANNA UNIVERSITY, CHENNAI)

S.P.G.Chidambara Nadar - C.Nagammal Campus

S.P.G.C.Nagar, K.Vellakulam - 625 701, (Near Virudhunagar), Madurai District.

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

**Minutes of Meeting – First Draft – BoS – 30<sup>th</sup> August, 2020**

MINUTES OF THE 1<sup>st</sup> ONLINE MEETING

**BOARD OF STUDIES OF COMPUTER SCIENCE AND ENGINEERING**

**DATE:** 3rd August, 2020, Monday

**Time:** 3.30 PM – 5.30 PM

**PLATFORM :** Microsoft Teams

**Meeting Link:** <https://teams.microsoft.com/l/meetup-join/19%3aa8e4660d1ed24b689b264edae729fe75%40thread.tacv2/1596092629829?context=%7b%22Tid%22%3a%22666d919-f1fc-4027-b9c5-212d4e95e68a%22%2c%22Oid%22%3a%2269c03f2c-2035-4ad9-bb42-0be9ae948681%22%7d>

**IN ATTENDANCE:**

S.No	Name of the Expert	Designation	Capacity
1	Dr.Sabu M.Thampi Professor	Indian Institute of Information Technology Management-Kerala, Trivandram E-mail ID: sabu.thampi@iiitmk.ac.in Phone No: 9447103005	Academic Council nominated BoS Members
2	Dr.R.B.V.Subramanyam, Professor and Head, Department of Computer Science and Engineering	National Institute of Technology, Warangal E-mail ID: rbvs66@nitw.ac.in Phone No: 9491346969	
3	Mr.G.S.Raman, Director, Training Division	Sri Moogambikai Infotech Solutions, Madurai <a href="mailto:ramansriranga@gmail.com">ramansriranga@gmail.com</a> Phone No: 8870324388	Industrialist



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4.	Dr.R.Venkatesan, Assistant professor, CSE	Karunya University, Coimbatore <a href="mailto:rlvenkei2000@karunya.edu">rlvenkei2000@karunya.edu</a> Phone No: 98948 80563	Alumnus

FACULTY OF COMPUTER SCIENCE AND ENGINEERING		MEMBERS
S.No	Name of the Faculty	Designation
1	<b>Dr.M.IndraDevi</b>	Professor and Head
2	<b>Dr.R.Muthuselvi</b>	Professor
3	<b>Dr.A.Meenakshi</b>	Associate Professor UG (CSE) Programme Co-ordinator
4	<b>Mr.A.Anandh</b>	Associate Professor / CSE
5	<b>Dr.R.Ramya</b>	Assistant Professor / CSE UG (AI &DS) Programme Co-ordinator
6	<b>Mr.L.Prabhar</b>	Assistant Professor / CSE
7	<b>Mrs.V.Sutha Jebakumari</b>	Assistant Professor / CSE
8	<b>Mr.G.Srinivasan</b>	Assistant Professor / CSE
10	<b>Mr.B.Muthukrishnavinayagam</b>	Assistant Professor / CSE
11	<b>Mrs.K.Muthulakshmi</b>	Assistant Professor / CSE
12	<b>Ms.P.Swathika</b>	Assistant Professor / CSE



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13	<b>Mrs.S.Janani</b>	Assistant Professor / CSE
14	<b>Ms.T.Maharajothi</b>	Assistant Professor / CSE
15	<b>Ms.G.Nirmala</b>	Assistant Professor / CSE
16	<b>Ms.K.Leelarani</b>	Assistant Professor / CSE
17	<b>Ms.Rajashree</b>	Assistant Professor / CSE
18	<b>Mr.M.Rajasekaran</b>	Assistant Professor / CSE
19	<b>Ms.G.Vijayalalitha</b>	Assistant Professor / CSE

**THE MINUTES:**

The meeting is called for considering the Undergraduate (CSE) and Undergraduate (AI&DS) curriculum & syllabi.

**DISCUSSIONS:**

1. Dr.M. Indra Devi welcomed the gathering and introduced the external members to the faculty.
2. Dr. M.Indra Devi presented the Overview of the Institution/Department, Courses offered in the institution, Student and Faculty strength and also about the growth and development of the Institution/Department.
3. Dr. M. Indra Devi discussed about the Proceedings of 1<sup>st</sup> Academic Council Meeting held on 17<sup>th</sup> July 2020 to the experts. The highlights of the discussion were as follows:



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	<p><b>Recommendations from the Governing Body and Academic Council for Framing UG Curriculum(CSE and AI &amp;DS)</b></p>	<ol style="list-style-type: none"> <li>1. Credit range: 165 – 170</li> <li>2. 20 – 24 credit per Semester.</li> <li>3. VIII Sem Project Work: 8 – 10 credits</li> <li>4. Online Course (Maximum 6 credits)</li> <li>5. Audit Course (Mandatory non credit)</li> <li>6. First semester is common for all Programme</li> <li>7. First year credit range : 40 – 42</li> <li>8. Engineering Graphics to be in II Semester</li> <li>9. Programme specific papers could be offered in II Sem.</li> <li>10. AICTE &amp; AU 2019 curriculum could be taken as base for framing curriculum.</li> <li>11. III Sem Mathematics (Programme specific) Mandatory</li> </ol>
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**BE (CSE)**

4. Dr. A, Meenakshi presented the features of the UG(CSE) regulations.
5. Dr.R.Venkatesan recommended to have Linux with Shell Scripting instead of Unix Internals.
6. Mr.G.S.Raman, recommended to have Bootstrap which is in VII Sem to be earlier as for Full Stack Developer it is the prerequisite.
7. Dr.Sabu M.Thambi suggested for a major revision in the curriculum as some of the basic papers are in higher semester.
8. Dr.Sabu M.Thambi enquired whether Chemistry is mandatory for Semester I.
9. Dr.M.Indra Devi replied that it mandatory as per AICTE norms.
10. Mr.G.S.Raman suggested to have infra structure automation tools like Terraform, Ansible for value added courses.
11. Mr.G.S. Raman recommended to have Divide and conquer approach called Micro services for value added courses.
12. Mr.G.S.Raman also suggested to have separate courses for Docker, Containers and Kubernetes.
13. Mr.Sabu M.Thambi recommended to have the above topics as part of Cloud computing as virtualization wont have much life.



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14. Mr.G.S.Raman suggested to have AWS and Google Cloud.
15. For infrastructure management he advised to go for AWS.
16. He also recommended to have MongoDB in value added courses.
17. All the experts suggested to have Model II For Semester II.
18. Dr.R.B.V.Subramaanyan recommended to have OOAD in IV Semester and to move OS to V Semester.
19. Dr.Sabu M.Thambi suggested to bring following papers as compulsory core papers:
  - Artificial Intelligence
  - Cryptography and Network Security
  - Distributed systems
20. He recommended to combine Computer Networks Sensor networks.
21. Dr.Sabu M.Thambi suggested to have Probability and Statistics either in II Semester or III semester.
22. He recommended to have Chemistry and Physics subjects should be of Computer approach.
23. Dr.Sabu M.Thambi recommended to have Subjects like artificial intelligence, machine learning subjects as main subject papers instead of teaching them as electives.
24. In Mathematics he suggested to emphasize the application in Computer field (E.g. Fourier Transform application in computer field) so that students will find it interesting.
25. Mr.G.S.Raman suggested to do practical in AWS, Google colab for Cloud computing,
26. Dr.Sabu M.Thambi recommended to have Quantum mechanics instead of Engineering Physics.
27. He also suggested to replace Data mining with Machine Learning, Fiber optic and Electromagnetism.

**BE (AI & DS)**

1. Dr. R.RAmya presented the features of the UG(AI & DS) regulations.
2. He asked to omit PhP, my SQL, Augmented Reality, 2D and 3D animations. Instead Reinforcement learning and Business Intelligence can be added.
3. Dr.R.RAmya replied saying that we have Analytics domain wherein these subjects will be added.
4. Dr.Sabu M.Thambi recommended to have a course in Data Science. Pyspark and Scala should be introduced.
5. He suggested to have some Data Science papers like
  - Data Wrangling
  - NLP
  - Deep Learning
  - Scala (II Semester)
6. Dr.R.B.V.Subramaanyan said that electives are common for both courses and courses related to the specialization should be included.



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7. Dr.R.Venkatesan recommended to have fundamentals of AI and DS in the second semester.
8. He also suggested to have Block chain as elective paper.
9. Dr. Dr.Sabu M.Thambi recommended to include Artificial Intelligence specialization electives to be included :
  - NLP
  - Vision
  - Data Science
10. Mr.G.S.Raman recommended to include more specific industry oriented courses as electives.
11. Dr. Dr.Sabu M.Thambi advised to refer Syllabus of Amrita School of Engineering for Algorithmic subjects.
12. He suggested to remove CCNA, Adobe Photoshop and NodeJS and to include: Data Analytics with R programming (already proposed in our syllabus), PyStan – Python interface for Stan, Scala, Tableau Software, Tabular bi, Educloud, IBM cognos, Data Crawling Tools, Python framework, Material Science, NLP and Robotics.
13. Dr.Sabu M.Thambi asked if EVS is mandatory to be included in syllabus and suggested to have environmental informatics instead of EVS.
14. Dr.M.Indra Devi replies saying that as per AICTE norms it is mandatory to have EVS subject.
15. Dr.Sabu M.Thambi asked whether 3D printer is available in our College.
16. Dr.M.Indra Devi replied that it is available in Mechatronics Department and we are going to have a lab for IoT based projects for 70 lakhs.
17. Dr.R.B.V.Subramaanyan suggested that ECE department can offer some electronics oriented papers as open elective for our students.
18. Dr.Sabu M.Thambi suggested to have Material science as it has future.

**Date of next meeting:**The next meeting will be held during the next even semester (tentatively, third week of January, 2021).

Dr.R.Muthuselvi proposed the vote of thanks to all the external and internal experts and the meeting adjourned