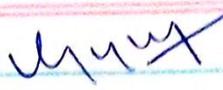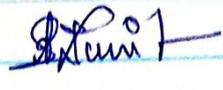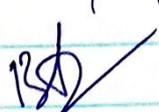The Board of studies Meeting for B.E(CSE) and M.E (CSE) was held on 29th December 2018 at 10.30 A.M.

MEMBERS PRESENT.

1. DR. G. KOUSALYA   CHAIRMAN

2. PROF. K. S. PALANISAMY.   MEMBER

3. DR. S. SRIDHAR   UNIVERSITY NOMINEE   Preoccupied

4. DR. G. SUDHA SADASIVAM   MEMBER

5. DR. ANNAPPA   MEMBER
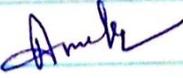
6. DR. K. VIVEKANANDAN   MEMBER   Preoccupied

7. MRS. S. SUKANYA   MEMBER   S. Sukanya

8. MR. P. R. RANGASWAMI   MEMBER

9. DR. ARUN SUNDARARAMAN   MEMBER   29/12/2018

10. DR. RANGARAJA GOPAL   MEMBER

11. DR. R. PRABHAKAR   SPECIAL INVITEE   Preoccupied.

12.	DR. N.K. KARTHIKEYAN	SPECIAL INVITEE	
13.	DR. R. NEDUNCHEZHIAN	MEMBER	
14	MRS. D. MOHANA	MEMBER	Preoccupied
15.	DR. A. KUNTHAVAI	MEMBER	
16.	DR. A.N. SENTHILVEL	MEMBER	
17.	DR. K. AMSHAKALA	MEMBER	
18.	DR. P. KUMUDHA	MEMBER	
19.	DR. M. MOHANA PRIYA	MEMBER	
20.	MRS. A. PRIYADHARSHINI	MEMBER	
21.	MR. T. RAMRAJ	MEMBER	
22.	MS. PONNI ARUNACHALAM	MEMBER	Preoccupied
23.	MRS. S. SANGEETHA MARIAMMAL	MEMBER	
24.	MR. S. RAVISANKAR	MEMBER	
25.	MRS. S. SARANYA RUBINI	MEMBER	
26.	MRS. R. PAVITHRA	MEMBER	
27.	MR. M. MARANCO	MEMBER	

28.	MRS. N. GAYATHRIY	MEMBER	
29.	MRS. A. PUNIDHA	MEMBER	
30.	MRS. S. P. ABIRAMI	MEMBER	
31.	MRS. S. PRIYA	MEMBER	Preoccupied
32.	MR. B. ARUN KUMAR	MEMBER	
33.	MRS. K. SATHYA	MEMBER	
34.	MRS. R. SAVEETH	MEMBER	
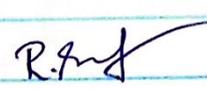
The following suggestions are made by Board of Studies members for B.E (CSE).

1. Prof. K. S. Palanisamy, the joint coordinator of CSE & IT, welcomed the anna university nominees, expert from industry & academia and the internal BOS members for the meeting.

2. The Head of the department, Dr. G. kousalya informed the members that the draft version of the proposed R2019 curriculum has been framed taking into consideration the AICTE recommended model curriculum.

3. To start with discussion held with respect to the proposed BOS and syllabus for 1st and

2nd semester courses.

4. Expert suggestion are invited regarding the Engineering Mathematics topics to be covered in the first four semesters like calculus, matrix and linear algebra, differential equations, probability and statistics and their relevance to the emerging fields of Artificial Intelligence and Machine Learning.

5. Mr. P. R. Rangaswami from Bushido infotech suggested that students should learn matrix algebra in mathematics subject before learning differential calculus.

6. Mr. P. R. Rangaswami suggested that instead of "Programming for problem solving" the title may be changed as "Problem solving techniques".

7. The Academic experts suggested that all core courses shall be allotted uniformly with 3 credits.

8. Dr. Annappa from NIT, Surathkal suggested that python language shall be used in Data structures laboratory.

9. Mrs. S. Sukanya from TCS preferred to have Software Engineering subject as core course instead of elective. All the Industry experts also emphasized the same.

10. Dr. Annappa suggested that software engineering may be offered in 4th 08 5th semester instead of 6th semester.

11. In connection with the discussion on the proposed course/subject "Innovative Practices"
   a) Dr. Annappa suggested to invite industry persons for monitoring the students progress in the Innovative Practices subject/course.
   b) Mrs. S. Sukanya suggested that the objective for Innovative Practices should be defined and it should be monitored continuously by mentors.
   c) The Industry experts, Mr. P.R. Rangaswami and Dr. Rangaraja Gopal emphasized the need for quantifying the framework and evaluation process needed for Innovative Practices.

12. Mrs. S. Sukanya suggested keeping both "Data Analytics" and "Data Mining" as core courses.

13. Mrs. S. Sukanya suggested that security related courses like Information Security may be made as core courses.

14. In connection with discussion on "Machine Learning" Dr. Arun Sundararaman suggested that—
   a) Machine Learning can be included as a unit in Data Mining (Theory and Lab) instead of offering as a separate course.
   b) Detailed coverage of machine learning can be given as elective
   c) Instead of having machine learning laboratory, Data Analytics lab with machine learning component can be added

15. Online courses like NPTEL May be given as one credit course.

16. Mrs. S. Sukanya suggested that open source tools can be used in software engineering laboratory.

17. Dr. Arun Sundararaman from Accenture Services suggested that "DevOps" can be included as a topic / separate course in software engineering related courses.

18. Mrs. S. Sukanya suggested that "Agile Technologies" course May be included as an elective.

19. Dr. Arun Sundararaman suggested that application of "Agile Technologies" and "DevOps" be encouraged in mini projects.

20. Dr. Annappa suggested that instead of separate software engineering laboratory, mini projects can be implemented using software engineering laboratory components and tools.

21. The Academic experts suggested that Entrepreneurship course in R2019 can be made as one credit instead of 3 credit course.

22. It is also suggested that "Internet of Things" can be included as professional elective.

23. The Industry experts Mr. P. R. Rangaswami and Dr. Rangaraja Gopal suggested that instead of offering CRM and ERP as separate courses they can be combined as a single course "Enterprise Application".

24. The Academic experts suggested that the courses currently in demand can be included in elective.

25. Dr. Annappa suggested that Electronic circuits may be removed.

26. The Academic experts suggested that Mobile application development laboratory with 9th components like chatbot should be included as core laboratory.

27. Dr. Arun Sundararaman suggested that "Blockchain course / subject can be included as elective.

28. Dr. G. Kowalya, Head of the Department (CSE) and Prof. K. S. Palanivany, Joint coordinator thanked the members for sparing their valuable time and assured to carry out the experts suggestions to the extent possible.

29. Members concurrence obtained for effecting necessary changes in the Program outcomes of CSE - UG and PG programmes to align them with graduate attributes.

30. The concurrence from the program advisory committee and the Board of studies obtained to effect changes in program outcomes in alignment with graduate attributes in the R2019

The following suggestions are made by Board of Studies members for M.E.(CSE)

1. Dr. G. Kowalya, Head of the Department informed the members that the department is planning to introduce M.E (Artificial Intelligence) in the coming academic year subject to approval from Anna University, AICTE.

2. Dr. G. Kowalya further informed the members about the possibility of renaming the existing M.E (CSE) course as M.E (AI), subject to the approval from Anna University / AICTE as an alternative for starting a new course.

3. Dr. G. Sudha Sadhasivam suggested that some advanced courses like Parallel Architecture may be included in proposed R2019 curriculum of M.E (already available in R2015 regulations)

4. Dr. G. Sudha Sadasivam and Dr. Annappa suggested that in the 1st semester, laboratory courses may be added.

5. Dr. G. Sudha Sadasivam suggested that a tutorial component (1 hour) can be included in Artificial Intelligence and computer architecture courses.

6. The Academic inputs suggested the inclusion

of one lecture hour in the proposed "Mobile Application Development" course along with practical laboratory.

7. Mr. P. R. Rangaswami suggested that there should be provision for the PG students to choose an area of specialization / focus and take the electives in the chosen specialization area.

8. Dr. G. Sudha Sadasivam suggested that courses such as "Advanced database concepts" and "Data Visualization / Representation" can be included as core courses for M.E (AI)

9. "Process Mining" shall be included as elective in the M.E course as suggested by the faculty of CSE. [15MCSE21 - Process Mining]

Chairman

(Dr. G. Kousalya).