



SONA COLLEGE OF TECHNOLOGY, SALEM

(An Autonomous Institution)

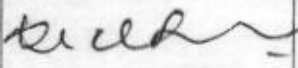

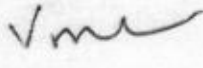
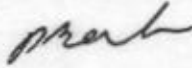
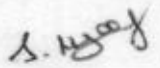

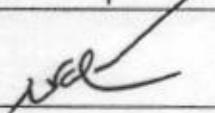
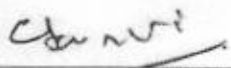
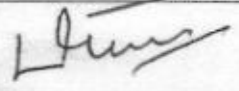
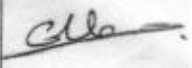
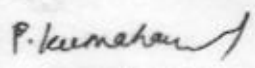
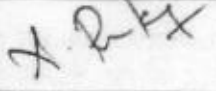
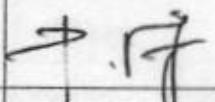
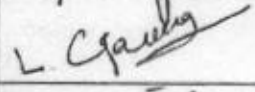
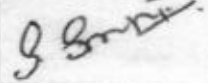
Department of Mechanical Engineering

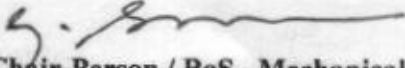
16th BoS Meeting Attendance

Venue: Microsoft Teams Meeting

Date: 12-06-2021

S.No	Name	Designation	Signature
1.	Dr. S.R.R. Senthilkumar	Principal, Sona College of Technology, Salem	
2.	Dr. D. Senthil kumar	Chair Person/ BoS Head of the Department, Department of Mechanical Engineering, Sona College of Technology, Salem	
3.	Dr. J. Akilandeswari	Dean - Academics, Sona College of Technology, Salem	
4.	Dr.R.Shivakumar	Professor, EEE Member secretary, Academic council	
5.	Dr. S. Balasivanandha Prabu	University Nominee Professor, Department of Mechanical Engineering, Central Workshop Division, CEG Campus, Anna University, Chennai - 600 025. E. Mail: sivanandha@rediffmail.com . Mobile: 9600105714	Present (Through online mode)
6.	Dr. P. Mathiazhagan	Subject Expert-1 Professor, Mechanical Engineering, Pondicherry Engineering College, Pillaichavadi, Puducherry - 605 014. E. Mail: pmathi@pec.edu Mobile: 9965956323	Present (Through online mode)
7.	Dr.V.P.Chanadramohan	Subject Expert-2 Associate Professor, Department of Mechanical Engineering NIT Warangal. Email id: vpcm80@gmail.com Mobile: 9676425800	-
8.	Mr. R. Prasanna	Industry Expert 1 Managing Director, NEXTGEN 3D Technologies. E. Mail: prasanna@nextgen3dtech.com Mobile: 7760966709	Present (Through online mode)
9.	Mr. Anuj Kumar Issar	Industry Expert 2 Senior SAP Test Specialist UST Global, Bengaluru. Email id: anuj.issar@gmail.com . Mobile No - 98863 02248	Present (Through online mode)
10.	Mr.Harish Kavimani	Industry Expert 3 Lead- Battery Electric Vehicles, Tata Consultancy Services, 3rd Floor Creator Building, ITPL, Whitefield, Bangalore - 560066 E. Mail: kavimani@gmail.com Mobile: 9663098743	Present (Through online mode)
11.	Dr. Dharmaraj Navaneetha Krishnan	Industry Expert 4 Team Lead-Data Science & Analytics Hubbell India, Burndy Technology & Global services Pvt. Ltd., Chennai.	Present (Through online mode)

		Dharmaraj.N@gmail.com Mobile: 9962992597	
12.	Dr.K.Muralidharan	Professor, Department of Mechanical Engineering, Sona College of Technology.	
13.	Dr.A.Jegan	Professor, Department of Mechanical Engineering, Sona College of Technology.	
14.	Dr.V.M.Madhavan	Associate Professor, Department of Mechanical Engineering, Sona College of Technology.	
15.	Dr.P.Balasubramani	Associate Professor, Department of Mechanical Engineering, Sona College of Technology.	
16.	Dr.S.Mahalingam	Associate Professor, Department of Mechanical Engineering, Sona College of Technology.	
17.	Dr.K.G.Saravanan	Associate Professor, Department of Mechanical Engineering, Sona College of Technology.	
18.	Dr. K. Venkatesh Raja	Associate Professor, Department of Mechanical Engineering, Sona College of Technology	
19.	V. Kaviarasan	Assistant Professor Department of Mechanical Engineering, Sona College of Technology.	
20.	Dr. M. Pradeep Kumar	Assistant Professor Department of Mechanical Engineering, Sona College of Technology.	
21.	U. Gopikrishnan	Assistant Professor Department of Mechanical Engineering, Sona College of Technology.	
22.	P. Kumaravel	Assistant Professor Department of Mechanical Engineering, Sona College of Technology.	
23.	A. Ramesh Kumar	Assistant Professor Department of Mechanical Engineering, Sona College of Technology.	
24.	P. Manikandaprabu	Assistant Professor Department of Mechanical Engineering, Sona College of Technology.	
25.	L. Gokulnathan	Assistant Professor Department of Mechanical Engineering, Sona College of Technology.	
26.	S.Srinithi	Assistant Professor Department of Mechanical Engineering, Sona College of Technology.	


Chair-Person / BoS - Mechanical
Dr D.SENTHIL KUMAR, M.E. Ph.D
PROFESSOR & HEAD,
DEPT OF MECHANICAL ENGG
SONA COLLEGE OF TECHNOLOGY
JUNCTION MAIN ROAD SALEM-4



SONA COLLEGE OF TECHNOLOGY, SALEM -636005

(An Autonomous Institution)

Dr.D.Senthil Kumar
Chairperson, Board of Studies
Department of Mechanical Engineering

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Lr.No. SCT/PRL/2020 - 2021/BoS/

Date: 12.06.2021

Sub: Sona College of Technology – 16th Meeting of the Board of Studies in Mechanical Engineering held on 12th June 2021 – Minutes - Communicated.

I thank the members for their presence and valuable suggestions given in 16th Meeting of the Board of Studies in Mechanical Engineering held on 12th June 2021 at 10:30AM through Microsoft Teams.

Please find the minutes of 16thBoS meeting –Mechanical Engineering in the enclosure.

Yours Sincerely,

Dr. D. Senthilkumar
Chairperson
Mechanical Engineering

Encl: Minutes of the meeting/ 16th Board of Studies/Mechanical Engineering.

Copy To

1. Dr. S.R.R Senthil Kumar, Principal / Chairman - Academic Council, Sona College of Technology, Salem – 636 005.
2. Dr. D. Senthil kumar, Chairperson / BOS HOD/MECH, Sona College of Technology, Salem – 636 005.
3. Dr. J. Akilandeswari, Dean Academics, Sona College of Technology, Salem – 636 005.
4. Dr. S. Balasivanandha Prabu, university nominee, professor, Department of Mechanical, CEG campus, Anna University, Chennai.
5. Dr.P.Mathiazhagan, Professor/Mechanical, Pondicherry Engineering College, Pillaichavadi, Puducherry 605014.
6. Dr.V.Chandramohan, Associate Professor, Mechanical Engineering, NIT Warangal
7. Mr.R. Prasanna, Managing director, NEXTGEN 3D Technologies, Hosur - 635109
8. Mr. Anuj Kumar Issar, Senior SAP test specialist, UST Global, Bengaluru.
9. Mr. Harish Kavimani, Lead battery electric vehicle, CTS, 3rd floor creator building, ITPL, White field, Bangalore - 560066 .
10. Dr.Dharmaraj Navaneetha Krishnan, Team Lead (Data Science & Analytics), Hubbell India, Burndy Technology & Global Services Pvt. Ltd., Chennai.
11. Dr. K.Muralidharan, Professor/MECH, Sona College of Technology, Salem – 636 005.
12. Dr. A. Jegan, Professor/MECH, Sona College of Technology, Salem – 636 005.

13. Dr. V.M. Madhavan, ASP/MECH, Sona College of Technology, Salem – 636 005.
14. Dr. P. Balasubramani, ASP/MECH, Sona College of Technology, Salem – 636 005.
15. Dr. S. Mahalingam, ASP/MECH, Sona College of Technology, Salem – 636 005.
16. Dr. K. G. Saravanan, ASP/MECH, Sona College of Technology, Salem – 636 005.
17. Dr. K. Venkatesh raja, ASP/MECH, Sona College of Technology, Salem – 636 005.
18. Prof. V.Kaviarasan, AP/MECH, Sona College of Technology, Salem – 636 005.
19. Dr .M.Pradeep Kumar, AP/MECH, Sona College of Technology, Salem – 636 005.
20. Mr.U.Gobikrishnan, AP/ MECH, Sona College of Technology, Salem – 636 005.
- 21: Mr.P.Kumaravel, AP/ MECH, Sona College of Technology, Salem – 636 005.
22. Mr.A.Rameshkumar, AP/ MECH, Sona College of Technology, Salem – 636 005.
23. Mr. P. Manikandaprabu, AP/ MECH, Sona College of Technology, Salem – 636 005.
24. Mr.Gokulnathan, AP/ MECH, Sona College of Technology, Salem – 636 005.
25. Ms.Srinithi, AP/ MECH, Sona College of Technology, Salem – 636 005.
26. File/BoS.

Sona College of Technology, Salem -5

**Minutes of the 16th meeting of the
Board of Studies in Mechanical Engineering**

Present:

Chairperson:
Dr. D. Senthilkumar
Professor/HOD,
Department of Mechanical Engineering,
Sona College of Technology,
Salem 636005.

BoS Members Present:

1. Dr. S.R.R Senthil Kumar, Principal / Chairman - Academic Council, Sona College of Technology, Salem – 636 005.
2. Dr. D. Senthil kumar, Chairperson / BOS HOD/MECH, Sona College of Technology, Salem – 636 005.
3. Dr. J. Akilandeswari, Dean Academics, Sona College of Technology, Salem – 636 005.
4. Dr. S. Balasivanandha Prabu, University Nominee, professor, Department of Mechanical, CEG campus, anna university, Chennai.
5. Dr.P.Mathiazhagan. Professor/Mechanical, Pondicherry Engineering College. Pillaichavadi, Puducherry 605014.
6. Dr.V.Chandramohan. Associate Professor, Mechanical Engineering, NIT Warangal
7. Mr.R. Prasanna, Managing director, NEXTGEN 3D Technologies, Hosur - 635109
8. Mr. Anuj Kumar Issar, Senior SAP test specialist, UST Global, Bengaluru.
9. Mr. Harish Kavimani, Lead battery electric vehicle, CTS, 3rd floor creator building, ITPL, White field, Bangalore - 560066 .
10. Dr.Dharmaraj Navaneetha Krishnan, Team Lead (Data Science & Analytics), Hubbell India, Bumdy Technology & Global Services Pvt. Ltd., Chennai
11. Dr. K.Muralidharan, Professor/MECH, Sona College of Technology, Salem – 636 005.
12. Dr. A. Jegan, Professor/MECH, Sona College of Technology, Salem – 636 005.
13. Dr. V.M. Madhavan, ASP/MECH, Sona College of Technology, Salem – 636 005.
14. Dr. P. Balasubramani, ASP/MECH, Sona College of Technology, Salem – 636 005.
15. Dr. S. Mahalingam, ASP/MECH, Sona College of Technology, Salem – 636 005.
16. Dr. K. G. Saravanan, ASP/MECH, Sona College of Technology, Salem – 636 005.
17. Dr. K. Venkatesh raja. ASP/MECH, Sona College of Technology, Salem – 636 005.
18. Prof. V.Kaviarasan, AP/MECH, Sona College of Technology, Salem – 636 005.
19. Dr .M.Pradeep Kumar, AP/MECH, Sona College of Technology, Salem – 636 005.
20. Mr.U.Gobikrishnan, AP/ MECH, Sona College of Technology, Salem – 636 005.
21. Mr.P.Kumaravel, AP/ MECH, Sona College of Technology, Salem – 636 005.
22. Mr.A.Rameshkumar, AP/ MECH, Sona College of Technology, Salem – 636 005.
23. Mr. P. Manikandaprabu, AP/ MECH, Sona College of Technology, Salem – 636 005.
24. Mr.Gokulnathan, AP/ MECH, Sona College of Technology, Salem – 636 005.
25. Ms.Srinithi, AP/ MECH, Sona College of Technology, Salem – 636 005.

Student Members:

1. Mr. M. Gowri Manokaran, IV Yr, MECH, SCT
2. Mr. Kishore V, IV Yr, MECH, SCT
3. Mr.P.C. Logesh, IV Yr, MECH,SCT
4. Mr. A. Thamari Kannan, IV Yr, MECH, SCT
5. Mr. A. Merwin Benedict, III Yr, MECH, SCT
6. Mr. L. Prem Jothi, III Yr, MECH. SCT
7. Mr. S. Sudharsan, III Yr, MECH, SCT
8. Mr. M. Praveen Kumar, III Yr, MECH, SCT

In attendance:

9. Dr. S.Radjarejseri, The Controller of Examinations, Sona College of Technology, Salem – 636 005.
10. Dr.R.Shivakumar, Member Secretary, Academic council, Sona College of Technology, Salem – 636 005.

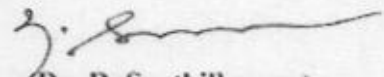
2.1 Minutes of 16th Board of Studies Meeting by considering the confirmation of the Minutes of the 15th BoS meeting held on 12th December 2020.

The Board Members discussed the following minutes of 16th BoS meeting held virtually through Microsoft Teams on 12.06.2021.

1. The Chairman (BoS) / HOD of Mechanical Engineering Department, commenced the Board of Studies meeting at 10:30 am and invited the University nominee, subject experts, Industrial experts, Faculty members and students of Mechanical department.
2. The Chairman (BoS) presented the team members about the infrastructure & research grants, placement and achievements during 2020-2021 in the Department of Mechanical Engineering.
3. The Chairman (BoS) requested the members to review the Choice Based Credit System (CBCS) for the 1st and 2nd semesters of B.E. Mechanical and Smart Manufacturing programme and 1st, 3rd, 5th & 7th semesters of B.E. Mechanical Engineering, 1st and 3rd semesters of PG courses (Engineering Design, Industrial Safety Engineering).
4. Dr. S. Balasivanandha prabu, (University nominee) replied that the syllabus structure was designed with standard protocol for the 1st and 2nd semesters of B.E. Mechanical and Smart Manufacturing and asked to change the regulation as Regulation 2020.
5. The BoS members discussed about the curriculum and syllabi of 1st and 2nd semesters of B.E. Mechanical and Smart Manufacturing. Based on the discussions, the BOS members approved the curriculum and syllabi of B.E Mechanical and Smart Manufacturing programme.

6. The Chairman (BoS) asked the experts to give their valuable suggestions about the new professional elective courses offered in the 7th semester of 2015 R.
7. Dr. M.Pradeep kumar explained the syllabus content of 'Manufacturing System Design' to the BoS members. Mr. R. Prasanna suggested including Bill of materials, demand forecasting concepts in the course and Dr. M.Pradeep kumar replied that the topics were covered in Computer Aided Designing subject. Dr. S. Balasivanandha prabu suggested to include the topic 'Failure mode effective analyses in the Unit-5.
8. Dr. P.Balasubramani explained the syllabus content of 'Supply Chain Management and Analytics' to the BoS members and asked their suggestions. Mr.R. Prasanna suggested to add few case studies of supply chain management and analytics. Dr.P. Balasubramani accepted to include the 'case studies like Swiggy and Zomato ' in the syllabus content.
9. Mr. Anuj Issar suggested to include 'Global quotation' instead of Global tender in 4th unit and further asked to include 'the shift left and shift right' concept in syllabus content. Dr. P.Balasubramani accepted to include the content.
10. Dr. Dharmaraj asked to introduce the open source software to perform the real time problems. Dr. Balasubramani accepted to add the 'Microsoft excel software' as open source software to perform the real time problems.
11. The Chairman (BoS) asked the members to review the 5th semester courses offered in 2019 regulation. Dr. P. Mathiazhagan suggested to split the unit – IV titled "Heat Exchangers and Mass Transfer" in to "Radiation and Mass Transfer" as Vth unit in Heat and Mass Transfer subject. The Chairman (BoS) accepted to make changes.
12. Dr.A. Jegan explained the syllabus content of 'Dynamics of Machinery' to BoS members and asked their suggestions. Dr. P. Mathiazhagan suggested rearranging 'the balancing concept' to early unit and 'vibration concept' to forthcoming unit and asked to reduce the syllabus content. Dr. Jegan A accepted to do the revision.
13. The Chairman (BoS) asked the members to review 'CAD and Finite Element Analysis' syllabus content. Dr. S. Balasivanandha prabu asked to change the course title for better understanding.
14. Mr. R.Prasanna asked whether the ANSYS concept is included in the syllabus content. The Chairman (BoS) replied that the subject 'Computer Aided Design and Analysis Laboratory course' includes the concept of ANSYS.
15. The Chairman (BoS) informed the members, that the NPTEL courses titled 'Introduction to IOT' and 'Fundamentals of Additive Manufacturing' of 12 week duration will be offered to students as one of the professional elective in 5th semester under 2019 regulation.

16. Mr. U.Gobikrishnan explained the syllabus content of 'Fundamentals of Additive Manufacturing'. Mr A. Ramesh kumar explained about the syllabus content of 'Introduction to IOT' to the expert members.
17. Dr. P. Mathiazhagan recommended the new course 'Electrical Vehicle Systems' instead of 'Java programming' course. The Chairman (BOS) accepted to add the new course in the upcoming semester as a professional elective.
18. Dr.A.Venkatesh raja asked the members to review the syllabus content of 'Machine Learning with Python Programming'. Dr. Dharmaraj recommended to include the 'k-means algorithm' in unit – III, 'supervised learning algorithm' in unit – IV, and 'basic concept of data science' in unit –V. Mr. Anuj Issar recommended to include 'the burn charts' in unit – II. Dr. A.Venkatesh raja accepted to do modifications as suggested by the members.
19. The Chairman (BoS) asked the members to render suggestions about laboratory courses for 2019 regulation. Members replied that the laboratory courses are well-defined and corrections are not required.
20. Dr. K. G. Saravanan asked the members about the revisions required in the professional elective courses offered in M.E, Engineering Design including 1. IOT Design and manufacturing and 2. Sensors for smart manufacturing and monitoring courses.
21. Dr. P. Mathiazhagan asked to include the 'Nondestructive testing' concept in 'Sensors for smart manufacturing and monitoring' course. Dr. K .G. Saravanan accepted to do revision.
22. Dr. P.Balasubramani explained the contents of the new professional elective course 'Industrial noise and vibration control' offered in M.E, Industrial safety engineering.
23. The Chairman (BOS) discussed the re-admission student's equivalent subjects, curriculum, syllabus and credit management in the meeting.
24. The Chairman (BOS) thanked all the members for approving syllabus for the courses in B.E. Mechanical and Smart Manufacturing, B.E. Mechanical Engineering, M.E. Industrial safety Engineering and M.E. Engineering Design and the meeting came to end at 1:00 pm.


(Dr. D. Senthilkumar)

BOS-Chairperson/Mechanical
Dr D.SENTHIL KUMAR, M.E PhD
PROFESSOR & HEAD,
DEPT OF MECHANICAL ENGG
SONA COLLEGE OF TECHNOLOGY
JUNCTION MAIN ROAD SALEM-4