

**NANDHA ENGINEERING COLLEGE, ERODE – 638 052**  
**(An Autonomous Institution, Affiliated to Anna University Chennai and**  
**Approved by AICTE New Delhi)**

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**MINUTES OF THE 4<sup>th</sup> BOARD OF STUDIES MEETING**

Name of the Body	Board of Studies
Name of the Board	B.Tech. Chemical Engineering
Meeting No.	04
Date & Time	03.09.2020, 11.00 AM
Venue	Online Mode

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**Minutes of 4<sup>th</sup> Board of Studies Meeting (BoS) held on 03.09.2020**

The 4<sup>th</sup> Board of Studies (BoS) meeting was held on 03.09.2020 at 11.00A.M through online mode as per the permission given by Anna University. The members attended the meeting are given in **Annexure I**.

The Chairman of BoS, Mr.G.Mohankumar, HOD (Chemical Engineering) welcomed the members for the meeting. Then the items listed below were taken for discussion.

The proceedings of BoS started and minutes of the meeting are recorded as follows:

Item – 4.01	To review the Action Taken Report (ATR) on 3 <sup>rd</sup> BoS meeting minutes of Chemical Engineering held on 01.12.2018 ( <b>Annexure II</b> )	
Discussion	The salient decisions taken in the 3 <sup>rd</sup> BoS meeting and action taken were presented. The members have appreciated the efforts taken to implement the suggestions.	
Resolution	Resolved to approve the ATR of 3 <sup>rd</sup> BoS meeting.	
Item – 4.02	To review Action Taken Report (ATR) on 7 <sup>th</sup> Academic Council meeting minutes ( <b>Annexure - III</b> )	
Discussion	The important suggestions given by the academic council members specific to Chemical Engineering program during the 7 <sup>th</sup> Academic Council meeting and action taken were presented. The members have appreciated the efforts taken to implement the suggestions.	
	All members have noted the ATR of 7 <sup>th</sup> Academic Council meeting.	
Item – 4.03	Minutes of 20 <sup>th</sup> Standing Committee for Academic Affairs (for information) Significant decisions (given below) taken in the 20th SCAA were presented to members of BoS.	
Discussion	Minutes of 20th Standing Committee for Academic Affairs (Decisions taken for introducing the following courses)- for information	
	a) New Courses i) 17CSX31 – Problem Solving and Programming (By CSE Board) ii) 17ITX26 – Problem Solving and Algorithmic Skills (By CSE Board) iii) 17EYX01 – Effective Communication (S & H Board) iv) 17EYZ04 - Employability Enhancement and Analytical Skills (S	Students who are willing to acquire programming skills / willing for placement can opt as OE.  <b>Dr.N.Anantharaman</b> has suggested to arrange Industry expert to take the subject 17EYZ04 - Employability Enhancement and Analytical Skills

	& H Board) v) Internet of Things (CSE Board)	
	(b) Credit weightage for online courses (clause 5.10 & 10.5- Regulation-R17)	Students can be allowed to earn maximum of 15 credits through online courses
	(c) Review of existing CAT pattern and Re-CAT (clause 10.1-Regulation-R17)	Two Continuous Assessment Tests(CAT) of equal weightage. Reassessment test (Re-CAT) at the end of the semester
	(e) Provisions for winter track (clause 7.5.1-Regulation-R17)	To allow two courses (upto 6 credits) in the winter and four courses (up to 12 credits) in the summer
	(d) Provision for minimum and maximum credits for course registration (clause 7.4.2 -Regulation-R17)	Minimum of 16 credits and maximum of 30 credits in a particular semester. However, the final semester students can be permitted to register for a minimum of 12 credits.
	Members appreciated the efforts taken by the college towards providing flexibility to the students for choosing the courses based on their interest.	
Resolution	Members noted the contents of the SCAA and resolved to record the same.	
Item – 4.04	Consideration for credits earned either through Online/ one credit courses or combination of both	
Discussion	Prof.G.Mohankumar, Chairperson of BoS has put forth the current status of students studied the courses through online and existing provision in the regulation for course exemption for the students who have successfully completing the online courses	
Resolution	Resolved to approve the decision	
Item – 4.05	Approval of New Program Specific Elective (PSE) courses in R17 regulation for UG Program	
Discussion	<p><b>Internet of Things (IoT) in Process Industries.</b></p> <p>BoS panel suggested to change the “Internet of Things (IoT) in Process Industries” to “Internet of Things (IoT) in Chemical Process Industries”</p> <p><b>Dr.C.Karthikeyan</b> has suggested to add Industry 4.0 in unit 4 and also to remove the Textbook “Internet of things in automotive industries and road safety”</p> <p><b>Dr.K.V.Radha</b> has suggested to add supply chain management and logistics in unit 5</p> <p><b>Dr.N.Anantharaman</b> has suggested to add 1 or 2 case studies in unit 5 and also suggested to arrange Industry expert to explain the case studies more elaborately.</p> <p><b>Dr.C.Karthikeyan</b> has suggested to change the unit 5 title from “Process Manufacturing” to “Chemical process industry”</p>	

	<b>Computational techniques for chemical engineers</b> BoS panel suggested to include more software and also to include tutorial hours
Resolution	Resolved to approve the syllabi of new Program Specific Electives (PSE) under Regulation R17 (CBCS).
Item – 4.06	To approve the proposed One Credit Courses (R17 regulation)
Discussion	<b>Shell and tube heat exchanger design (with HTRI suite software)</b> No comments
	<b>Process equipment design</b> Dr.C.Karthikeyan has suggested to change the title “Process Equipment Design“ to “Pressure Vessel Design” Dr.K.V.Radha has suggested to add separate Textbook for pressure vessel design
	<b>Applied computational fluid dynamics / finite element analysis</b> No comments
	<b>Piping design engineering</b> Mr.R.Karthikeyan has suggested to add topic “safety relief valve”
	<b>Biotechnology in chemical industry</b> BoS panel suggested to reduce the content of the course. Mr.N.Thirumurugan has suggested to remove “Quality Control and Quality Assurance” Dr.C.Karthikeyan has suggested to add topic “Fermentation”
	BoS Panel suggested to include more one credit courses in forthcoming semester.
Resolution	Resolved to approve the proposed one credit courses
Item – 4.07	Approval of IChE Online courses
Discussion	BoS Panel approved and appreciated the efforts taken towards providing flexibility to the students to learn the online courses offered by IChE
Resolution	Resolved to approve the IChE Online courses
Item – 4.08	Any other matter BoS Panel suggested to add some audit Courses as one credit or non credit courses
	Mr. K.Rajasekaran, Assistant Professor (Chemical Engineering) proposed the vote of thanks.

Date: 03.09.2020

  
31/09/2020

Mr. G.Mohankumar  
(Chairman, BoS/HOD – Chemical Engineering)



Dr.N.Rengarajan,  
Principal