

NANDHA ENGINEERING COLLEGE, ERODE – 638 052

(An Autonomous Institution, Affiliated to Anna University Chennai and
Approved by AICTE New Delhi)

Minutes of the 4th meeting of the Academic Council held on 25.05.2016

Name of the Body	Academic Council
Meeting No.	04
Date & Time	25.05.2016, 10.45 AM
Venue	Board Room Nandha Engineering College Erode - 638 052

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Minutes of the 4th meeting of the Academic Council held on 25th MAY2016

The fourth meeting of the Academic Council was held on 25.05.2016 by 10.45 am at Board Room, Nandha Engineering College, Erode. The list of members attended the meeting is given in **Annexure I** and the following members could not attend the meeting.

- Dr. Partha Sarathi Mallick, Dean, School of Electrical Engineering (SELECT), VIT University.
- Mr. P.U. Jacob, Assistant Vice President, Hexaware Technologies, Mumbai.
- Dr.T.Thiyagarajan, Professor, Department of Instrumentation Engineering, Anna University, Chennai – 600 025.

The agenda items have been taken for discussion and the Minutes of the Meeting are as follows:

Item 4.01	Welcome & Introduction of Members.	
	Dr. N. Rengarajan, Principal & Chairman of the Academic Council welcomed all the members and expressed his gratitude to the external members of the Academic Council for making it convenient to attend the meeting. He introduced the members Dr. S. Prabavathy (MEPCO), Dr. K. Natarajan (PSG), Dr. S. Palaniswami (GCE), Dr. K. Sundareswaran (NIT) and Mr. M. Saravanakumar (Industry). The Chairman requested all the internal members for self-introduction.	
Item 4.02	<ul style="list-style-type: none">✓ To approve the minutes of 3rd meeting of Academic Council held on 20.06.15 & to report action taken [Annexure – II].✓ Minutes of 4th meeting of BoS of all the programmes of study.	
Discussion	<ul style="list-style-type: none">✓ Dr. N. Rengarajan, Principal & Chairman of the Academic Council read out the minutes of the 3rd meeting of Academic Council held on 20.06.15 and action taken on the suggestions given in the previous meeting (3rd Academic Council). The members appreciated the efforts taken by the college to implement the suggestions.✓ Minutes of 4th meeting of BoS of all the programmes of study were placed for consideration and approval.	
Resolution	<ul style="list-style-type: none">✓ Noted the contents of the minutes of the 3rd meeting of the Academic Council held on 20.06.15 and resolved to approve the Action Taken Report (ATR).✓ Academic council approved the minutes of 4th meeting of BoS of all the programmes of study.	
Item 4.03	Presentation of curriculum and syllabi approved by BoS (academic year 2016-17 onwards).	
	4.03.01	B.E. Civil Engineering: <ul style="list-style-type: none">• 7th and 8th semesters (R13)• 3rd and 4th semesters (R15)
	Discussion	Dr. E.K Mohanraj, Prof. & Dean, Civil Engineering, presented the curriculum and syllabi of 7 th & 8 th semesters under regulation (R13) and 3 rd & 4 th semesters under regulation (R15). <ul style="list-style-type: none">• Dr. S. Prabavathy (MEPCO) has suggested adding titles related to total station in the Surveying course and usage of modern equipment in the Surveying laboratory course.

		<ul style="list-style-type: none"> • Dr. K. Natarajan (PSG) noticing the total credits of 191 under regulation R13 of B.E. (Civil) program, suggested keeping the total credits below 190 by adjusting semester wise credits below 25. • Dr. K. Natarajan (PSG) has put forth the opinion that introduction of elective courses from 3rd semester is desirable to provide wide range of opportunity for students to have a choice of courses/subjects under Choice Based Credit System (CBCS).
	Resolution	After discussion at length it was resolved to approve with changes suggested by the experts.
	4.03.02	B.E. Computer Science and Engineering: <ul style="list-style-type: none"> • 7th and 8th semesters (R13) • 3rd and 4th semesters (R15)
	Discussion	Dr. N. Shanthi, Prof. & Dean, Computer Science and Engineering, presented the curriculum and syllabi of 7 th & 8 th semesters under regulation (R13) and 3 rd & 4 th semesters under regulation (R15). <ul style="list-style-type: none"> • Mr. M. Saravanakumar (Robert Bosch) pointed out that there is vast scope for handling and retrieving of Big Data in industries. He also suggested adding topics appropriately in the syllabus.
	Resolution	Resolved to approve the curriculum and syllabi with necessary changes
	4.03.03	B.E. Electronics and Communication Engineering: <ul style="list-style-type: none"> • 7th and 8th semesters (R13) • 3rd and 4th semesters (R15)
	Discussion	Dr. C. N. Marimuthu, Prof. & Dean, Electronics and Communication Engineering briefed the contents of curriculum and syllabi of 7 th & 8 th semesters under regulation (R13) and 3 rd & 4 th semesters under regulation (R15). <ul style="list-style-type: none"> • Dr. S. Palaniswami (GCE) opined that the semester wise credit seems to be high for the courses under regulation R13 and asked to explore the possibility of reducing the credits below 25 per semester.
	Resolution	Resolved to approve the curriculum and syllabi with necessary changes
	4.03.04	B.E. Electrical and Electronics Engineering: <ul style="list-style-type: none"> • 7th and 8th semesters (R13) • 3rd and 4th semesters (R15)
	Discussion	Dr. A. Satheesh, Prof. & Dean, Electrical and Electronics Engineering presented the contents of curriculum and syllabi of 7 th & 8 th semesters under regulation (R13) and 3 rd & 4 th semesters under regulation (R15). <ul style="list-style-type: none"> • Dr. K. Natarajan (PSG) expressed his views that the total credits seemed to be high and suggested to keep the total credits below 190 by adjusting semester wise credits below 25. • Dr. K. Sundareswaran (NIT) recommended <ul style="list-style-type: none"> ✓ to incorporate emerging and latest topics / subjects in the syllabus by removing obsolete subject like Design of Electrical Apparatus ✓ to explore the scope of combining two subjects like AC, DC machines and Transformers as a single subject to reduce the total credits.

		<ul style="list-style-type: none"> Mr. M. Saravanakumar (Robert Bosch) suggested adding program specific contents related to IoT (Internet of Things) since it is emerging as an upcoming technology that makes use of internet to control / monitor electronic / mechanical devices (virtually controlled machines).
	Resolution	Resolved to approve the curriculum and syllabi with necessary changes
	4.03.05	B.E. Electronics and Instrumentation Engineering: <ul style="list-style-type: none"> 7th and 8th semesters (R13) 3rd and 4th semesters (R15)
	Discussion	Dr. A.Satheesh, Prof. & Dean, Electrical and Electronics Engineering presented the contents of curriculum and syllabi of 7 th & 8 th semesters under regulation (R13) and 3 rd & 4 th semesters under regulation (R15). <ul style="list-style-type: none"> Dr. K. Sundareswaran (NIT) has appreciated the initiative of EIE department for incorporating Virtual Instrumentation as a core subject Mr. M. Saravanakumar (Robert Bosch) suggested adding IoT (Internet of Things) to impart knowledge on device connections. He also expressed that IoT could be extended to other braches like EEE, ECE, MECH, since it is emerging as an upcoming technology that makes use of internet to control / monitor electronic / mechanical devices (virtually controlled machines).
	Resolution	Resolved to approve the curriculum and syllabi with necessary changes
	4.03.06	B.Tech. Information Technology <ul style="list-style-type: none"> 7th and 8th semesters (R13) 3rd and 4th semesters (R15)
	Discussion	Dr. S. Arumugam, Professor & CoE presented the contents of curriculum and syllabi of 7 th & 8 th semesters under regulation (R13), and 3 rd & 4 th semesters under regulation (R15). <ul style="list-style-type: none"> Dr. K. Natarajan (PSG) asked about the adequacy of time (two contact periods) for practical classes. HoD (IT) justified that the time is sufficient since students are studying theory part of laboratory in the class room and practicing the same in the laboratory. Dr. S. Palaniswami (GCE) opined that the credits of 3rd & 4th semester seemed be high and asked to see the possibility of reducing the credits below 25 per semester.
	Resolution	Resolved to approve the curriculum and syllabi with necessary changes
	4.03.07	B.E. Mechanical Engineering: <ul style="list-style-type: none"> 7th and 8th semesters (R13) 3rd and 4th semesters (R15)
	Discussion	Dr. M. Eswaramoorthi, Prof. & Dean, Mechanical Engineering presented the contents of curriculum and syllabi of 7 th and 8 th semesters under regulation (R13) and 3 rd & 4 th semesters under regulation (R15).

		<ul style="list-style-type: none"> Mr. M. Saravanakumar (Robert Bosch) asked the relevance of offering Electrical Vehicle Technology as an elective course by Mechanical department. After the deliberations, Dr. K. Sundareswaran (NIT) suggested that teaching of the above course may be shared between Mechanical and Electrical department faculty members. Mr. M. Saravanakumar (Robert Bosch) stressed the need of having Microcontroller and Microprocessor course for Mechanical Engineering program. HoD (Mechanical Engg.) clarified that the concepts related to the above titles are included in the Mechatronics theory course. Dr. K. Natarajan (PSG) suggested to increase the credits for project from 10 to 12. He also stressed to offer sufficient number of elective subjects under different domains like Design, Manufacturing, Thermal Engineering etc., to the students who want to expertise in a specific domain.
	Resolution	Resolved to approve the curriculum and syllabi with necessary changes
	4.03.08	<p>B.E./B.Tech. Programmes</p> <ul style="list-style-type: none"> Mathematics syllabi for 3rd and 4th semesters (R15) <ul style="list-style-type: none"> Interchanging of titles in 1st & 2nd semester Mathematics syllabus for Civil and Mechanical Engineering programmes under regulations R15 ratified by BoS (S & H).
	Discussion	Noted the contents
	Resolution	Resolved to approve the curriculum and syllabi of 1 st to 4 th semester Mathematics
	4.03.09	<p>Master of Computer Applications (MCA) Program</p> <ul style="list-style-type: none"> 3rd and 4th semesters (R15)
	Discussion	<p>Dr. S. Arumugam, Professor & CoE presented the contents of curriculum and syllabi of 3rd and 4th semesters (R15).</p> <ul style="list-style-type: none"> Dr. K. Natarajan (PSG) suggested to have total credits around 120 by increasing the laboratory contact hours for MCA program. Dr. K. Sundareswaran (NIT) opined that a MCA expert may be invited for academic council meeting.
	Resolution	Resolved to approve the curriculum and syllabi with necessary changes
Item 4.04		<p>Amendments in the Regulations R13 & R15</p> <ul style="list-style-type: none"> Section 5.1 (V) – Credit for Extra Curricular Activities (ECA) Introducing letter grade in regulations R13 & R15 in Section 15.1 for the Non-Credit courses mentioned in section 8.1 and other non-credit courses approved in the 4th BoS of respective programmes
Discussion		<p>Dr. M. Eswaramoorthi, Prof. & Dean (Autonomous) presented and placed the proposed modifications in Section 5.1 (V), Section 8.1 and Section 15.1 under regulations R13 & R15 before the forum for ratification.</p> <ul style="list-style-type: none"> Principal has explained various activities of ECA and put forth the suggestions of BoS members of Civil & Mechanical Engineering to rename the title of ECA course. He also called-for the opinion of members for awarding credits/comments during 7th semester as per regulation R13 & R15 (Section 5.1).

Discussion	<ul style="list-style-type: none">✓ Dr. K. Natarajan (PSG) and Dr. S. Prabavathy (MEPCO) have expressed their opinion that awarding comments like Very Good, Good and Satisfactory may be appropriate for the ECA because of the limitations in the evaluation of different activities in a uniform manner.✓ After lengthy deliberations, members suggested to rename the ECA course as Personality and Character Development.• Principal has sought the opinion of awarding letter grades to Non-Credit courses (Section15.1) similar to credits courses.<ul style="list-style-type: none">✓ Members have suggested to follow brief note as letter grade for the comments Very Good, Good and Satisfactory which are awarded for Non-Credit courses like Language Competency Development (LCD I & II), Verbal Aptitude and Reasoning (VAR I & II), Soft Skills - Listening & Speaking, Soft Skills - Reading & Writing, Aptitude - I & II offered in B.E/B.Tech. programmes and Functional English - I & II, Career Development Skills offered in MCA program. <table><tr><th>Letter grade</th><th>Grade Points</th><th>Marks Range</th></tr><tr><td>S</td><td>10</td><td>91 - 100</td></tr><tr><td>A</td><td>9</td><td>81 - 90</td></tr><tr><td>B</td><td>8</td><td>71 - 80</td></tr><tr><td>C</td><td>7</td><td>61 - 70</td></tr><tr><td>D</td><td>6</td><td>57 - 60</td></tr><tr><td>E</td><td>5</td><td>50 - 56</td></tr><tr><td>RA</td><td>0</td><td>< 50</td></tr><tr><td>I</td><td>-</td><td>Inadequate attendance</td></tr><tr><td>W</td><td>-</td><td>Withdrawal</td></tr><tr><td>AB</td><td>-</td><td>Absent</td></tr></table> <table><tr><td>VG</td><td>-</td><td>Very Good</td></tr><tr><td>GD</td><td>-</td><td>Good</td></tr><tr><td>SF</td><td>-</td><td>Satisfactory</td></tr></table>	Letter grade	Grade Points	Marks Range	S	10	91 - 100	A	9	81 - 90	B	8	71 - 80	C	7	61 - 70	D	6	57 - 60	E	5	50 - 56	RA	0	< 50	I	-	Inadequate attendance	W	-	Withdrawal	AB	-	Absent	VG	-	Very Good	GD	-	Good	SF	-	Satisfactory
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Resolution	Resolved to approve the proposals																																										
Item 4.05	Presentation of results, Malpractice & Debarred students																																										
	4.05.01	Examination results of all UG & PG Programmes.																																									
	Discussion	<p>Dr. S. Arumugam, Professor & CoE presented the results of 2014-15 (Even semester) & 2015-16 (Odd semester) of 1st, 2nd and 3rd years of all UG &PG courses.</p> <ul style="list-style-type: none">• Dr. K. Sundareswaran (NIT) asked the difference between 1st & 2nd valuation. Dr. S. Arumugam, Professor & CoE explained the system of valuation followed, the practice of entering marks & writing remarks near answers inside the answer booklet and marks on the cover page of answer booklet.• All the members suggested avoiding the mark entry inside booklet or hiding the marks before giving it for revaluation.• Dr. K. Natarajan (PSG) suggested to have pre & post audit for questions papers and post audit for answer scripts.• Dr. S. Prabavathy (MEPCO) opined to have external team for academic audit.																																									

	Resolution	Resolved to implement the suggestions.
	4.05.02	Report of Malpractices
	Discussion	Dr. S. Arumugam, Professor & CoE presented the report of Malpractice committed by the students in internal and end semester examinations
	Resolution	Reviewed the punishments & Recorded
	4.05.03	List of debarred students
	Discussion	Dr. S. Arumugam, Professor & CoE presented the list of debarred students
	Resolution	Reviewed & Recorded
Item 4.06	Any other items : <ul style="list-style-type: none"> • Dr. K. Natarajan (PSG) underlined the need for having uniform credits for all elective subjects and suggested to include Innovation practices as 2 credit courses under laboratory mode during 6th or 7th semester. He also opined to explore the possibility of having 6 theory and 2 laboratory courses from 3rd semester onwards. • Dr. K. Sundareswaran (NIT) suggested offering elective courses from Physics, Chemistry and Mathematics domain also. 	
Item 4.07	VOTE OF THANKS	
	Member Secretary proposed the vote of thanks	

Date: 25.05.2016


Dr. N. Rengarajan

(Chairman, Academic Council / Principal)


1/06/16