



Off: 22357077 / 76 Fax / Dir.: 22352272

CENTRE FOR ACADEMIC COURSES ANNA UNIVERSITY

CHENNAI - 600 025

Dr. S. HOSIMIN THILAGAR DIRECTOR Letter No.2001/AU/CAC/2021 CONTROL OF THE PROPERTY OF THE

15.07.2021

To
The Principal
Nandha Engineering College
Erode - Perundurai Main Road,
Vaikkaalmedu, Erode - 638 052.

Sir,

Sub: Anna University - Academic Courses - Nandha Engineering College, Erode – 638 052 - Conduct of Academic Council and Board of Studies Meeting - Permission to conduct in Online Mode – Reg.

Ref: Letter received from the Principal, Nandha Engineering College, dated 13.07.2021.

Permission is hereby accorded to Nandha Engineering College, Erode - 638 052 an Autonomous Institution under Anna University to conduct Academic Council and Board of Studies Meetings for various programmes through **Online Mode**. It is also informed to convene the meeting only with all the members of the committee. In view of the prevailing COVID 19 situation, this permission is granted as a special case and one time measure only (not to be taken as precedence).

You are also advised to record (both audio and video) the proceedings of the meeting and minute the suggestions/conclusions arrived during the meeting and forward the same by e-mail and by post to the undersigned.

This is issued with the approval of the competent authority.

Yours faithfully,

DIRECTOR

Copy to:

1. The Stock File - CAC.



NANDHA ENGINEERING COLLEGE

(Autonomous)

Affiliated to Anna University Chennal & Approved by AICTE & Accredited by NBA-NewDelhi
Pitchandampalayam, (P.O), Vaikkalmedu, Erode - Perundural Road, Erode - 638 052

Phone: 04294-225585, 223711, 223722, 226393 Mobile: 73737 23722 Fax: 04294 - 224787

Website: www.nandhaengg.org

13.07.2021

E.mail: info@nandhaengg.org

To

The Director
Anna University
Centre for Academic courses
Chennai – 600 025

Respected Sir,

Sub: Academic courses – Autonomous Functioning – Request for convene statuary body meetings through online reg.

Ref: Letter No. 1465/AU/CAC/2020, dated: 06.08.2020

Nandha Engineering College is an autonomous institution affiliated to Anna University since 2013. It is mandatory to convene statuary body meetings as per UGC guidelines. In this connection, we are planning to convene the following statuary body meetings for the academic year 2020-21 & 2021-22.

- · Board of Studies
- Academic Council
- · Governing council and
- · Finance committee

In view of the prevailing COVID 19 situation, we request you to provide us permission to convene the above meetings through online as like 2019-20.

13/08/21 Dean (Autonomous) EDT.M. EASWARAMOORTHI] 7373714707



Yours faithfully

Principal

PRINCIPAL

HANDHA ENGINEERING COLLEGE (Autonomous)

ERODE - 638 052.



NANDHA ENGINEERING COLLEGE

(Autonomous Institution)
Pitchandampalayam, Erode To Perundural Road, Erode-638 052

ACADEMIC COUNCIL

Academic Year: 2021-22

Board	All Programmes	Meeting No.	9
		Date & Time	06th SEPTEMBER 2021, 11.00 AM
Venue	Online		11.00 AM

MEMBERS ATTENDED

SI.No	Members	Representation	Signature
1	Dr. N. Rengarajan, Principal Nandha engineering college(Autonomous) Erode -52	Chairman	N. OROMA
2	Dr. D. Sridharan Professor Department of Electronics and Communication Engineering, CEG Campus, Anna University Chennai – 600 025 9444417161 sridhar@annauniv.edu srid.cegece@gmail.com	University Nominee	6n line
3	Dr. S. Renganathan Professor Department of Biotechnology ACT Campus, Anna University, Chennai – 600 025 9941613532 srenganathan@annauniv.edu	University Nominee	Gnline
4	Dr. N. V. Mahalakshmi Professor & Head Internal Combustion Engineering Div. Department of Mechanical Engineering CEG Campus, Anna University Chennai – 600 025 9941949719 nvmal2001@yahoo.co.in	University Nominee	6n line

5	Mr. S. Ashok Accredited Energy Auditor (by, Bureau of Energy Efficiency, Ministry of Power, Govt. of India) Coimbatore -641 035	Expert from Industry	Galine
6	Mr. A. Muruganantham Associate General Manager Hexaware, H5, SIPCOT IT Park, Navallur Post, Siruseri – 603 103 murugananthama@hexaware.com	Expert from Industry	Gnline
7	Dr. Gunavathi K. Professor Department of Electronics and Communication Engineering PSG College of Technology, Coimbatore – 641 004 kgy.ece@psqtech.ac.in	Expert from Other College	6n line
8	Dr. P. Venkatachalam Principal MIT College of Agriculture and Technology, Vellalapatti, post, Musiri (Tk), Trichy – 621 211 prenkat55@yahoo.co.uk	Expert from Other College	online



NANDHA ENGINEERING COLLEGE

(Autonomous Institution)
Pitchandampalayam, Erode To Perundural Road, Erode-638 052

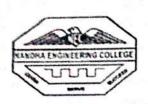
ACADEMIC COUNCIL

Academic Year: 2021-22

INTERNAL MEMBERS

S.no	Members	Representation	Signature
1	Dr. M. Dhananivetha Associate Professor & Head, Agriculture Engineering	BoS Chairman	NOTEN-14 12021
2	Dr. S. T.Sadhish Kumar Professor & Head, Bio Medical Engineering	BoS Chairman	11/1/21
3	Dr.E.K. Mohanraj Professor & Head, Civil Engineering	BoS Chairman	ENO. Mercourage
4	Dr. S. Arumugam Professor, Computer Science and Engineering	BoS Chairman	1. 1 6 9 2 1
5	Dr. J. Senthil Professor, Computer Science and Engineering	Professor	a. This of 2021
6	Prof. K. Gunasekar Associate Professor & Head, Computer Science and Engineering	Professor	1. State.
7	Dr. C. N. Marimuthu, Professor, Electronics and Communication Engineering	BoS Chairman	CN. Mariagray
8	Dr. S. Kavitha Professor & Head , Electronics and Communication Engineering	Professor	S. Renille 21
9	Dr. G. Ramani Professor & Head, Electrical and Electronics Engineering, Electronics and Instrumentation Engineering	BoS Chairman	a. bigger.
10	Dr. M.Easwaramoorthi Professor & Head , Mechanical Engineering	BoS Chairman	01/9/21
11	Dr. N. Subramanian Professor & Head , Chemical Engineering	BoS Chairman	Ermunt
12	Dr. C. Siva Professor & Head , Information Technology & MCA	BoS Chairman	Back flow
13	Dr. V. Manimegalai Professor & Head , Master of Business Administration	BoS Chairman	1 6139181

14	Dr. M. Vijayalakshmi Professor, Department of Chemistry	BoS Chairman	M. 46924
15	Prof. R. Thiruneelakkandan Associate Professor, Physics	Teacher of the College	- A Sours
16	Ms. P. Kavitha Assistant Professor, English	Teacher of the College	P. O. Files
17	Mr. P. Jaisankar Associate Professor, Maths	Teacher of the College	Constato1
18	Dr. D. Vanathi Professor, Professor, Computer Science and Engineering	Teacher of the College	De 19121



NANDHA ENGINEERING COLLEGE,

ERODE - 638 052

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

MINUTES OF THE 9TH ACADEMIC COUNCIL MEETING

Name of the Body	Academic Council
Meeting No.	09
Date & Time	06.09.2021, 11.00 am
Mode	Online Mode Nandha Engineering College (Autonomous)





NANDHA ENGINEERING COLLEGE, ERODE - 638052 (An Autonomous Institution, Affiliated to Auna University Chestral and approved by AICTE New Delhi)

Minutes of 9th Academic Council Meeting (6th September 2021)

The Ninth meeting of the Academic Council for Nandha Engineering College was held on 06.09.2021 by 11.00am through online. The list of members attended the meeting is given in Annexure I.

ITEM 9.01	Welcome by the Principal & Introduction of members		
	Dr. N. Rengarajan, Principal & Chairperson of the Academic Council welcomed all the members and introduced the external members. Further, he requested the		
	internal members to introduce themselves and briefed the agenda items.		
ITEM 9.02	 Approval of the minutes of 8th Academic Council meeting held on 16-10-2020 & 		
	Action taken.		
	Vision and Mission of the Institute		
Discussion	 Dr. N. Rengarajan, Principal & Chairman of the Academic Council read out the minutes of the 8th meeting of Academic Council held on 16.10.2020 and 		
=	explained the action taken report of the same. Dr. S. Renganathan asked about the name of software used for process optimization in Chemical Engineering. Dr. N.		
124	Subramanian, HoD - Chemical Engineering clarified that purchase of software is		
	under progress. Further, Dr. S. Renganathan suggested to use following software.		
	✓ Modeling and simulation- ASPEN and DWSIM		
	✓ Equipment design: HTRI		
	✓ Software for Fluid mechanics lab		
	• Principal presented the statement of the vision and mission of the institute to the		
	Academic Council members for any suggestion from the members.		
Resolution	• Noted the contents of the minutes of the 8th Academic Council meeting held on		
	16-10-2020 and resolved to approve the same. Action Taken Report (ATR) of the		
	last academic council was also noted by the members and approved.		
i water	Members suggested to modify the mission statement of the Institute.		
ITEM 9.03	Approval of the minutes of 9th BoS meeting - All Programmes and presentation of		
: 437 :	salient features of BoS meeting of all programmes.		
Discussion	Provide providing a transfer of the control of the		
	BoS of all programmes and salient points.		
	B.E. Agriculture Engineering		
	✓ Program Specific Elective: 17AGX20 - Organic Farming.		
	✓ One credit course: Landscape irrigation and its automation, Test code for		
	farm implements and Smart Agriculture Technologies		



B.E. Biomedical Engineering (UG) ✓ Syllabus : 7th and 8th semesters ✓ Open Elective (OE) Courses: • 17BMZ01 - Healthcare Technology 17BMZ02 - Telemedicine 17BMZ03 - Epidemiology and Pandemic Management 17BMZ04 - Medical Ethics ✓ Flexibility to offer PSE/OE in 6th semester (Elective IV) and 7th semester (Elective VI) as per Clause 5.6 of Academic regulation - UG 2017 (R17) ✓ One Credit Course: 3D Design and Modeling Tools, Medical Coding and Artificial Intelligence in Health Care (17ECI06) B.E. Civil Engineering & M.E. Structural Engineering ✓ UG - Program Specific Elective: Construction Safety ✓ UG - Open Elective course: Waste Management ✓ PG - Professional Elective: Structural Health Monitoring B.E. Computer Science and Engineering (UG & PG) B.Tech. - Artificial Intelligence and Data Science. ✓ UG - Program Specific Elective courses: 17CSX33 - Google Cloud Platform 17CSX34 - Tableau 17CSX35 - Node JS 17CSX36 - React JS ✓ One credit courses: 17CSI02 - Chef Automation 17CSI03 - SAS Analytics and Reporting ✓ The existing curriculum and syllabi of CSE (First year) will be followed in case of the new program B.Tech. - Artificial Intelligence and Data B.E. Electronics and Communication Engineering (UG) and M.E. VLSI Design (PG) ✓ One credit course: 17ECI06 - Artificial Intelligence in Health Care. ✓ Program Specific Elective: Cognitive Radio Statistical Theory of Communication ✓ PG - Professional Elective: Signal Integrity for High Speed Design B.E. Electrical and Electronics Engineering (EEE) ✓ Program Core: 17EEC04 - Electrical Machines 1 17EEC13 - Power Electronics ✓ One credit course: PCB Design, Robotics and Industrial Automation

- Control of the Cont	✓ Program Specific Elective: 17EEX25 - Electric and Hybrid Vehicles
	B.E. Mechanical Engineering (UG) & M.E. Engineering Design (PG)
	 ✓ One credit course: 17ME104-Press Tool Design and Construction fo Sheet Metal ✓ Program Specific Elective:
27.	Flexible Manufacturing System
	Advanced Welding Technology
	✓ Open Elective course: Smart Sensor system
	✓ PG -Professional Elective: Quality Concepts in Design
	B.Tech. Chemical Engineering (UG)
	✓ One Credit Courses
	 Simulation and Optimization of Cross - Country pipe line
	 Chemical Process Analysis and Optimization using DWSIM
	Pro-Simulator Software Training
100	Unit Operations Virtual Laboratory
	B.Tech. Information Technology (UG)
	✓ Program Specific Elective:17ITX27-Data Science Technique (Ratification)
0.0	✓ Open Elective: 171TZ05 - Java Programming (Ratification)
	✓ Program Specific Elective: 17ITX28 - Agile Software Development
	✓ One credit courses: UI / UX Design and Raspberry Pi
	Master of Computer Applications (MCA) Program
	✓ Professional Elective(Ratification):
	Data Science Techniques
	Data Science Techniques Laboratory
1 V)	✓ Professional Elective: R17 (Revised) Regulation:
	Data Science Techniques
1.0	✓ Bridge Courses - Ratification - R17 (Revised) Regulation
	IT Essentials and PC Installation
	Computer Fundamentals
35	Web Design Essentials
Plant.	Mathematical Foundations of Computer Science
	Master of Business Administration (MBA)
	✓ "Services Marketing" Program Elective in Marketing Managemen
	Specialization
	✓ "Stress Management" Program Elective in Human Resource Elective
	Specialization
	Science & Humanities
	✓ Existing 1st year curriculum and syllabi of CSE would be followed for the
	new program B.Tech. Artificial Intelligence and Data Science with respec
	to
	English
	Mathematics



	 Physics Chemistry ✓ Language Elective (Open Elective for all Programs): German, Japanese and Hindi.
Resolution	Academic council members resolved to approve the following: ✓ Minutes of 9 th BoS Meeting of the programmes (Civil, CSE, ECE, EEE, Mechanical, IT, MCA, MBA and S & H) ✓ Minutes of 5 th BoS Meeting of the programmes (Agri and Chemical) ✓ Minutes of 4 th BoS Meeting of the programme (Biomedical) ✓ Minutes of 1 st BoS Meeting of the programme, B.Tech. Artificial Intelligence and Data Science. ✓ PSE courses for UG and PG of respective programmes ✓ Open Elective courses of respective programmes ✓ One credit courses of respective programmes ✓ 7 th and 8 th Semester syllabus of BME ✓ Bridge courses for MCA Programme (R17 - Revised) ✓ Language elective courses
ITEM 9.04	 New Programme - B.Tech. Artificial Intelligence and Data Science Accreditation - NBA and NAAC Ratification of minutes of 21st, 22nd& 23rd SCAA (Standing Committee on Academic Affairs) meetings. Conduct of online class, Continuous Assessment Test, End semester exams as per Anna University guidelines.
Discussion	Principal informed about the new UG programme introduced "B.Tech. Artificial Intelligence and Data Science" from the academic year 2021-2022 and approvals of AICTE & Anna University. He also narrated the accreditation activities and preparations related to NBA and NAAC. NBA applied: 3UG Programmes (CSE, IT, ECE) and MBA Accredited: 2 UG programmes (B.E - CSE and B. Tech. IT) and appeal submitted for ECE Pre-qualifier approved for two more UG Programmes, B.E. Mech. & EEE. Principal presented the resolutions of 21st, 22nd and 23rd SCAA meetings. 21st SCAA: a) Conducting end semester examinations (April/May 2020) through online mode for the final semesters of UG and PG programmes due to COVID-19 pandemic and calculating end semester (April/May 2020) marks as per Anna University letter No.2055/AU/CAC/Final Yr. Mod/2020, dated: 19.09.2020. Guidelines:



- √ 50% weightage to the CGPA obtained up to Pre-final semester for UG and PG programmes.
- √ 20% weightage to marks obtained in the continuous assessment test in the final semesters.
- √ 30% weightage to ONLINE EXAMINATION (MCQ type)
- b) Conducting arrear examinations at a later date.

Cancellation of the end semester examinations for the regular <u>UG and PG (first to pre-final year)</u> due to COVID-19 pandemic and calculating end semester (April/May 2020) marks as per the Anna University letter No. 2005/AU/CAC/Internals/2020, dated: 12.09.2020 and G.O. No. 111, dated 27.07.2020.

Guidelines:

- ✓ External marks: 30% weightage to the end semester marks obtained in the previous semester.
- ✓ Continuous assessment marks: 70% weightage of the concerned semester.

22nd SCAA:

- Conducting regular Nov./Dec.2020 odd semester examinations for UG/PG students and April/May 2020 arrear examinations through "proctored online mode" as per the Anna University Letter No: Lr. No.19707/C12/2020, dated: 23.12.2020.
- Decided to allow Ph.D., scholars to write course work by their physical presence and to permit UG/PG final semester students to come to college physically as per Anna University Letter 2981/AU/CAC/Rev. Sch/2020, dated 05/12/2020.

23rd SCAA:

- Conducting three special examinations in Aug 2021, Feb 2022 and Aug 2022 for the candidates exhausted the permissible maximum period as per Anna University letter No. 1900/COE/C20-C30/Sp. Exam/2021, dated: 01.04.2021 and the respective Regulations. Aug 2021 examinations to be conducted in offline mode (3 hours duration) with pen and paper mode.
- Conducting examinations for all UG-lateral entry students admitted as per the supplementary approval of DOTE vide letter no. NEC/DOTE-Lateral Entry/20-21/86, dated: 23.02.2021 and for PG students after receiving the approval from DOTE.
- Ratifying the decision of April/May 2021 examinations conducted for final year (VIII semester) UG & final semester PG students in proctored online mode (objective type) as per Anna University guidelines vide letter No.



	973/AU/CAC/ESE lab	2021, date	ed: 27.03.2021.		
	• Conducting April/May 2021 end semester examinations for 1 st year to pre-final year students of UG & PG, and re-exam/arrear examinations of Nov./Dec. 2020 as per Anna University letter No. 8946/CoE/COVID-19/C20-C30/2021, dated 28.05.2021.				
	continuous assessment te	st and end	semester examinatio	conducting of online class, ns based on the guidelines	
	of Anna University releas	sed time to	time during COVID	-19 pandemic.	
	Dr. S. Renganathan aske	d regarding	g the collection of an	swer script both soft copy	
	and hard copy from the	students. 1	Dr. C.N. Marimuthu	specified the provision of	
	one hour time duration gi	ven for sul	omitting the soft copy	of answer scripts.	
	Dr. D. Sridharan asked	about the	number of student	s appeared in the exams	
	conducted during the p	andemic p	period. Principal has	presented the details of	
	students appeared as give				
	Security -	UG	· PG	PhD.,	
	2019-20 (even sem.)	2456*	210	3	
	*includes UG and PG - firs semester marks obtained in concerned semester.	t to pre-fina the previou	al year for which assess us semester and continu	ment was done based on end ous assessment marks of the	
	2020-21 (odd sem.)	2771	228	4	
	2020-21 (even sem.)	2570	223	11	
	Exams conducted for the students who have exhausted maximum number of permissible attempts in UG-24 and PG-1				
Respond to the second s	Resolved to ratify the dec Academic Affairs) meeting	cisions of 2	21 st , 22 nd & 23 rd SCA	A (Standing Committee on of	
Resolution	 Regular and Arrear Examinations of April / May 2020, Nov /Dec 2020 and April / May 2021 and Special examinations for students exhausted maximum number of permissible attempts as per the Anna University guidelines and the College Regulations. It is also resolved to approve the conduction of online class, continuous 				
	assessment test and end semester examinations based on the Anna University guidelines released time to time and the prevailing College Regulations.				
ITEM 9.05	Any other items: Nil				
TEM 9.05	Any other items: Nil Vote of Thanks. Dr. C. N. Marimuthu, Me				

Date: 06-09-2021

Principal & Chairman - Academic Council

Nandha Engineering College (Autonomous) Erode - 638 052.

Minutes of 9th Academic Council meeting, dated: 06.09.2021 Page 7

