



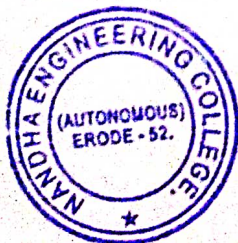
NANDHA ENGINEERING COLLEGE,

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) |





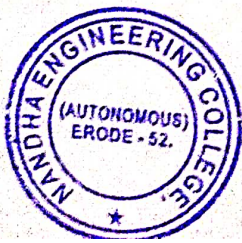
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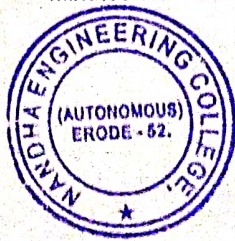
Minutes of 9th Academic Council Meeting (6th September 2021)

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.

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| 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 | <ul style="list-style-type: none"> • Approval of the minutes of 8th Academic Council meeting held on 16-10-2020 & Action taken. • Vision and Mission of the Institute |
| Discussion | <ul style="list-style-type: none"> • 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. Subramanian, HoD - Chemical Engineering clarified that purchase of software is under progress. Further, Dr. S. Renganathan suggested to use following software. <ul style="list-style-type: none"> ✓ 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 | <ul style="list-style-type: none"> • 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. • Members suggested to modify the mission statement of the Institute. |
| ITEM 9.03 | Approval of the minutes of 9 th BoS meeting - All Programmes and presentation of salient features of BoS meeting of all programmes. |
| Discussion | Dr. C.N. Marimuthu, Member Secretary presented the minutes of 9 th meeting of BoS of all programmes and salient points. |
| | B.E. Agriculture Engineering |
| | <ul style="list-style-type: none"> ✓ Program Specific Elective: 17AGX20 - Organic Farming. ✓ One credit course: Landscape irrigation and its automation, Test code for farm implements and Smart Agriculture Technologies |



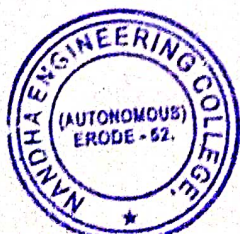
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| | <p>B.E. Biomedical Engineering (UG)</p> <ul style="list-style-type: none"> ✓ Syllabus : 7th and 8th semesters ✓ Open Elective (OE) Courses: <ul style="list-style-type: none"> • 17BMZ01 - Healthcare Technology • 17BMZ02 - Telemedicine • 17BMZ03 - 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) |
| | <p>B.E. Civil Engineering & M.E. Structural Engineering</p> <ul style="list-style-type: none"> ✓ UG - Program Specific Elective: Construction Safety ✓ UG - Open Elective course: Waste Management ✓ PG - Professional Elective: Structural Health Monitoring |
| | <p>B.E. Computer Science and Engineering (UG & PG) B.Tech. - Artificial Intelligence and Data Science.</p> <ul style="list-style-type: none"> ✓ UG - Program Specific Elective courses: <ul style="list-style-type: none"> • 17CSX33 - Google Cloud Platform • 17CSX34 - Tableau • 17CSX35 - Node JS • 17CSX36 - React JS ✓ One credit courses: <ul style="list-style-type: none"> • 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 Science. |
| | <p>B.E. Electronics and Communication Engineering (UG) and M.E. VLSI Design (PG)</p> <ul style="list-style-type: none"> ✓ One credit course: 17ECI06 - Artificial Intelligence in Health Care. ✓ Program Specific Elective: <ul style="list-style-type: none"> • Cognitive Radio • Statistical Theory of Communication ✓ PG - Professional Elective: Signal Integrity for High Speed Design |
| | <p>B.E. Electrical and Electronics Engineering (EEE)</p> <ul style="list-style-type: none"> ✓ Program Core: <ul style="list-style-type: none"> • 17EEC04 - Electrical Machines I • 17EEC13 - Power Electronics ✓ One credit course: PCB Design, Robotics and Industrial Automation |



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| | <p>✓ Program Specific Elective: 17EEX25 - Electric and Hybrid Vehicles</p> <p>B.E. Mechanical Engineering (UG) & M.E. Engineering Design (PG)</p> <p>✓ One credit course: 17ME104-Press Tool Design and Construction for Sheet Metal</p> <p>✓ Program Specific Elective:</p> <ul style="list-style-type: none"> • Flexible Manufacturing System • Advanced Welding Technology <p>✓ Open Elective course: Smart Sensor system</p> <p>✓ PG -Professional Elective: Quality Concepts in Design</p> |
| | <p>B.Tech. Chemical Engineering (UG)</p> <p>✓ One Credit Courses</p> <ul style="list-style-type: none"> • Simulation and Optimization of Cross - Country pipe line • Chemical Process Analysis and Optimization using DWSIM • Pro-Simulator Software Training • Unit Operations Virtual Laboratory |
| | <p>B.Tech. Information Technology (UG)</p> <p>✓ Program Specific Elective:17ITX27-Data Science Techniques (Ratification)</p> <p>✓ Open Elective:17ITZ05 - Java Programming (Ratification)</p> <p>✓ Program Specific Elective:17ITX28 - Agile Software Development</p> <p>✓ One credit courses: UI / UX Design and Raspberry Pi</p> |
| | <p>Master of Computer Applications (MCA) Program</p> <p>✓ Professional Elective(Ratification):</p> <ul style="list-style-type: none"> • Data Science Techniques • Data Science Techniques Laboratory <p>✓ Professional Elective: R17 (Revised) Regulation:</p> <ul style="list-style-type: none"> • Data Science Techniques <p>✓ Bridge Courses - Ratification - R17 (Revised) Regulation</p> <ul style="list-style-type: none"> • IT Essentials and PC Installation • Computer Fundamentals • Web Design Essentials • Mathematical Foundations of Computer Science |
| | <p>Master of Business Administration (MBA)</p> <p>✓ “Services Marketing” Program Elective in Marketing Management Specialization</p> <p>✓ “Stress Management” Program Elective in Human Resource Elective Specialization</p> |
| | <p>Science & Humanities</p> <p>✓ Existing 1st year curriculum and syllabi of CSE would be followed for the new program B.Tech. Artificial Intelligence and Data Science with respect to</p> <ul style="list-style-type: none"> • English • Mathematics |



| | |
|------------|---|
| | <ul style="list-style-type: none"> • Physics • Chemistry <p>✓ Language Elective (Open Elective for all Programs): German, Japanese and Hindi.</p> |
| Resolution | <p>Academic council members resolved to approve the following:</p> <ul style="list-style-type: none"> ✓ Minutes of 9th BoS Meeting of the programmes (Civil, CSE, ECE, EEE, Mechanical, IT, MCA, MBA and S & H) ✓ Minutes of 5th BoS Meeting of the programmes (Agri and Chemical) ✓ Minutes of 4th BoS Meeting of the programme (Biomedical) ✓ Minutes of 1st 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 ✓ 7th and 8th Semester syllabus of BME ✓ Bridge courses for MCA Programme (R17 - Revised) ✓ Language elective courses |
| ITEM 9.04 | <ul style="list-style-type: none"> ▪ 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 | <p>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.</p> <p>He also narrated the accreditation activities and preparations related to NBA and NAAC.</p> <ul style="list-style-type: none"> ▪ 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. <p>Principal presented the resolutions of 21st, 22nd and 23rd SCAA meetings.</p> <p>21st SCAA:</p> <p>a) Conducting end semester examinations (April/May 2020) through online mode for the <u>final semesters</u> 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.</p> <p>Guidelines:</p> |



- ✓ 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 **UG and PG (first to pre-final year)** 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:

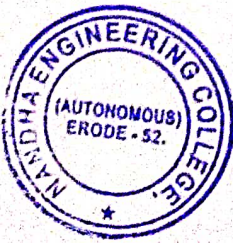
- ✓ External marks: 30% weightage to the end semester marks obtained in the previous semester.
- ✓ Continuous assessment marks: 70% weightage of the concerned semester.

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 off-line 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.



| | <p>973/AU/CAC/ESE lab 2021, dated: 27.03.2021.</p> <ul style="list-style-type: none"> Conducting April/May 2021 end semester examinations for 1st 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. <p>Dr. N. Rengarajan, Principal requested permission for conducting of online class, continuous assessment test and end semester examinations based on the guidelines of Anna University released time to time during COVID -19 pandemic.</p> <p>Dr. S. Renganathan asked regarding the collection of answer script both soft copy and hard copy from the students. Dr. C.N. Marimuthu specified the provision of one hour time duration given for submitting the soft copy of answer scripts.</p> <p>Dr. D. Sridharan asked about the number of students appeared in the exams conducted during the pandemic period. Principal has presented the details of students appeared as given below.</p> <table border="1"> <thead> <tr> <th></th> <th>UG</th> <th>PG</th> <th>PhD.,</th> </tr> </thead> <tbody> <tr> <td>2019-20 (even sem.)</td> <td>2456*</td> <td>210</td> <td>3</td> </tr> <tr> <td colspan="4">*includes UG and PG - first to pre-final year for which assessment was done based on end semester marks obtained in the previous semester and continuous assessment marks of the concerned semester.</td> </tr> <tr> <td>2020-21 (odd sem.)</td> <td>2771</td> <td>228</td> <td>4</td> </tr> <tr> <td>2020-21 (even sem.)</td> <td>2570</td> <td>223</td> <td>11</td> </tr> </tbody> </table> <p>Exams conducted for the students who have exhausted maximum number of permissible attempts in UG-24 and PG-1</p> | | UG | PG | PhD., | 2019-20 (even sem.) | 2456* | 210 | 3 | *includes UG and PG - first to pre-final year for which assessment was done based on end semester marks obtained in the previous semester and continuous assessment marks of the concerned semester. | | | | 2020-21 (odd sem.) | 2771 | 228 | 4 | 2020-21 (even sem.) | 2570 | 223 | 11 |
|--|---|-----|-------|----|-------|---------------------|-------|-----|---|--|--|--|--|--------------------|------|-----|---|---------------------|------|-----|----|
| | UG | PG | PhD., | | | | | | | | | | | | | | | | | | |
| 2019-20 (even sem.) | 2456* | 210 | 3 | | | | | | | | | | | | | | | | | | |
| *includes UG and PG - first to pre-final year for which assessment was done based on end semester marks obtained in the previous semester and continuous assessment marks of the concerned semester. | | | | | | | | | | | | | | | | | | | | | |
| 2020-21 (odd sem.) | 2771 | 228 | 4 | | | | | | | | | | | | | | | | | | |
| 2020-21 (even sem.) | 2570 | 223 | 11 | | | | | | | | | | | | | | | | | | |
| Resolution | <p>Resolved to ratify the decisions of 21st, 22nd & 23rd SCAA (Standing Committee on Academic Affairs) meetings and approve the conduction of</p> <ul style="list-style-type: none"> 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 | | | | | | | | | | | | | | | | | | | | |
| ITEM 9.06 | Vote of Thanks. | | | | | | | | | | | | | | | | | | | | |
| | Dr. C. N. Marimuthu, Member Secretary proposed the vote of thanks. | | | | | | | | | | | | | | | | | | | | |

Date: 06-09-2021


 Principal & Chairman - Academic Council
PRINCIPAL
Nandha Engineering College
 (Autonomous)
Erode - 638 052.

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

