



## YEARLY STATUS REPORT - 2022-2023

<b>Part A</b>	
<b>Data of the Institution</b>	
<b>1.Name of the Institution</b>	<b>Nandha Engineering College</b>
• Name of the Head of the institution	<b>Dr.U.S.Ragupathy</b>
• Designation	<b>Principal</b>
• Does the institution function from its own campus?	<b>Yes</b>
• Phone No. of the Principal	<b>7373712234</b>
• Alternate phone No.	<b>04294 225585</b>
• Mobile No. (Principal)	<b>9842851315</b>
• Registered e-mail ID (Principal)	<b>principal@nandhaengg.org</b>
• Address	<b>Vaikkal Medu, Perundurai, Erode-52</b>
• City/Town	<b>Erode</b>
• State/UT	<b>Tamilnadu</b>
• Pin Code	<b>638052</b>
<b>2.Institutional status</b>	
• Autonomous Status (Provide the date of conferment of Autonomy)	<b>17/08/2012</b>
• Type of Institution	<b>Co-education</b>
• Location	<b>Rural</b>

• Financial Status	<b>Self-financing</b>				
• Name of the IQAC Co-ordinator/Director	<b>Dr .S.Kavitha</b>				
• Phone No.	<b>9750640111</b>				
• Mobile No:	<b>9942215651</b>				
• IQAC e-mail ID	<b>iqac@nandhaengg.org</b>				
<b>3.Website address (Web link of the AQAR (Previous Academic Year)</b>	<a href="https://nandhaengg.org/extended-profile/">https://nandhaengg.org/extended-profile/</a>				
<b>4.Was the Academic Calendar prepared for that year?</b>	<b>Yes</b>				
• if yes, whether it is uploaded in the Institutional website Web link:	<a href="https://nandhaengg.org/academic-calendar/">https://nandhaengg.org/academic-calendar/</a>				
<b>5.Accreditation Details</b>					
Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
<b>Cycle 2</b>	<b>A+</b>	<b>3.38</b>	<b>2022</b>	<b>09/11/2023</b>	<b>08/11/2027</b>
<b>6.Date of Establishment of IQAC</b>			<b>01/12/2014</b>		
<b>7.Provide the list of Special Status conferred by Central and/or State Government on the Institution/Department/Faculty/School (UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC, etc.)?</b>					
Institution/ Department/Faculty/School	Scheme	Funding Agency	Year of Award with Duration	Amount	
<b>Mr.P.Krishna gandhi</b>	<b>Incubation</b>	<b>MSME</b>	<b>17/08/2022</b>	<b>1475000</b>	
<b>8.Provide details regarding the composition of the IQAC:</b>					
• Upload the latest notification regarding the composition of the IQAC by the HEI	<a href="#">View File</a>				
<b>9.No. of IQAC meetings held during the year</b>			<b>4</b>		
• Were the minutes of IQAC meeting(s) and	<b>Yes</b>				

compliance to the decisions taken uploaded on the institutional website?	
<ul style="list-style-type: none"> <li>If No, please upload the minutes of the meeting(s) and Action Taken Report</li> </ul>	No File Uploaded
<b>10. Did IQAC receive funding from any funding agency to support its activities during the year?</b>	<b>No</b>
<ul style="list-style-type: none"> <li>If yes, mention the amount</li> </ul>	
<b>11. Significant contributions made by IQAC during the current year (maximum five bullets)</b>	
<ul style="list-style-type: none"> <li>Periodical Academic Audits</li> <li>Skill development programme for faculty members and students</li> <li>Knowledge Enrichment webinars for students</li> <li>Credits for online courses</li> </ul>	
<b>12. Plan of action chalked out by IQAC at the beginning of the academic year towards quality enhancement and the outcome achieved by the end of the academic year:</b>	
Plan of Action	Achievements/Outcomes
NAAC Accreditation cycle II	NAAC A+ grade with 3.38 score
To obtain NBA Accreditation under Tier - I	Obtained NBA under Tier - I accreditation for 5 programmes namely CSE, ECE, IT, EEE and MECH with scores above 675.
<b>13. Was the AQAR placed before the statutory body?</b>	<b>Yes</b>
<ul style="list-style-type: none"> <li>Name of the statutory body</li> </ul>	
Name of the statutory body	Date of meeting(s)
Governing Body	18/08/2023
<b>14. Was the institutional data submitted to AISHE ?</b>	<b>Yes</b>
<ul style="list-style-type: none"> <li>Year</li> </ul>	

Year	Date of Submission
2022-2023	23/01/2024

### 15. Multidisciplinary / interdisciplinary

The Vision of National Education Policy is to provide high quality education to transform people of the nation as global citizens. Nandha Engineering College has always strived to inculcate multidisciplinary approach in its academic as well as co curricular activities. A discussion among the faculty members are initiated on the key principles of NEP such as diversity for all curriculum and pedagogy with technological innovations in teaching and learning, encouraging logical decision making and innovation, critical thinking and creativity.

Moreover, Students are encouraged to undertake projects in the Multidisciplinary/ Interdisciplinary mode by formulating teams from different courses. Students are also encouraged to form teams from different disciplines to participate in various events like Hackathons, Toycathon, etc. The process of revision of curriculum is under progress for the students to be admitted in the academic year 2022-23 and onwards. Further, provisions are also made to offer new courses in emerging fields other than the parent discipline. Open Elective courses like Waste Management, Waste Water Treatment, Renewable Energy Technology, etc., educate the students about the pressing challenges and needs at local, regional, national and global level. The college is proactively working towards implementation of the suggestions given in NEP.

### 16. Academic bank of credits (ABC):

Academic Bank of Credits, established on the lines of the National Academic Depository, have a dynamic website providing all details of Academic Bank of Credits and its operational mechanism for the use of all stakeholder of higher education. Academic Bank of Credits is essentially a credit-based, highly flexible and student-centric facility. Nandha Engineering College follows a Choice Based Credit System for its entire program. The Institution is in the process of getting approval to apply for registration with Academic Bank of Credits from statutory authorities such as Governing Council, Academic Council and University Authorities. Courses done by the students through online modes in the National Schemes like SWAYAM, NPTEL, etc., are also considered for credit transfer and credit accumulation. Nearly 262 students have appeared for NPTEL

Examination and got benefitted for the past five years. It is planned to incorporate additional bank of credits in the forth coming Regulation (R22). Industry sponsored laboratories such as Renewable Energy Lab, Digital Product Design and Virtusa Augmented Solutions are functioning in the Institution.

#### **17.Skill development:**

Integrating vocational education with general education is the most promising way to promote holistic development of the students, equipping them with knowledge, skills and competencies which would prepare them for life and work. Nandha Engineering College enhances collaboration with industries for internship to expose the students to the work environment and to get the experience of hands- on practice. Students are given hands-on exposure to practical subjects through mini projects, in which students identify their skills and learn the concepts through experiential learning. The Institution has introduced the platforms such as Institution's Innovation Council (IIC), Centre for Innovation and Product Development (CiPD) and Business Incubator (BI) to promote the development of innovative and commercially viable products, useful for the industry and society. Employability Enhancement Course (EEC) which includes Employability Skills, Personality Development Courses, Project Work and / or Internship, Seminar, Professional Practices, Training at Industry / Research organization and online courses is offered to students to provide a platform for transforming the students into technically competent, ethically strong and qualified professionals. Nearly, 50 skill development programmes are organized every year.

#### **18.Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course)**

NEP 2020 envisages a greater promotion of Indian Languages, Arts and Culture. The NEP document elaborates on the cultural and knowledge heritage of India, the importance of Indian Philosophy in the renewed perception, the importance of the Multilanguage, multicultural background of the country and the necessity for revitalizing these realms for the betterment of the country and the world. This strategy calls for a paradigm shift in the immediate past educational system (which, in general opinion, has devalued the Indian traditional knowledge). To bring back the glory of the ancestral values and knowledge and a line with AICTE guidelines, the institution has introduced courses such as 'Constitution of India and Essence of Indian Traditional Knowledge' for all UG students. To augment the lectures in the class room, standard text books on

Indian Constitution and Cultural heritage of India are given to the students. Through the efforts of Fine Arts Club, Oratorical competitions are conducted regularly in the regional language viz Tamil on topics like Environment Protection and Energy Conservation as well as topics on cultural and ethnic values of India.

#### **19.Focus on Outcome based education (OBE):Focus on Outcome based education (OBE):**

Outcome Based Education is being adopted by the Institution since 2015 - 16. The Institution has initiated the OBE process through well defined Program Outcomes (PO), Program Educational Objectives (PEO), Program Specific Outcomes (PSO) for all the programmes, which are implemented effectively and disseminated through institution website and is displayed at prominent places of the departments. Students are assessed as per OBE attainment model. All courses are designed with outcomes centered on cognitive abilities namely Remembering, Understanding, Applying, Analyzing, Evaluating and Creating. Apart from the domain- specific skills, learning outcomes at all levels ensure social responsiveness and ethics as well as entrepreneurial skills. Hence, students contribute proactively to economic, environmental and social well-being of the nation. The Course Objectives (COs) are also aligned to Program Outcome and Program Specific Outcome. Syllabi have been designed with due consideration to macro-economic and social needs at large so as to apply the spirit of NEP.

#### **20.Distance education/online education:**

All over the world, there is a noticeable change in the modalities of teaching-learning, with a considerable shift from all classrooms teaching-learning to partly classroom and partly online teaching-learning. This is demonstrated by the international appeal of online education, such as MOOCs. The Institution encourages students to take MOOC courses such as NPTEL, Swayam, Coursera and others to earn equivalent credits. The necessary approvals are obtained to integrate the credit transfer scheme for the students. As a result, the credits acquired through SWAYAM-NPTEL are used as a substitute for optional courses. The list of such courses is approved by the chairperson before the beginning of the semester so that students enroll in courses that are relevant to the curriculum and are neither repetitive nor duplicative. The online courses also facilitate the students' completion of the credit requirements by the 7th and 8th semesters. Students take up full time internships in reputed industries. Online Education helps students acquire industry-required skills as well as better job opportunities.

### **Extended Profile**

<b>1.Programme</b>	
1.1 Number of programmes offered during the year:	<b>18</b>
File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>
<b>2.Student</b>	
2.1 Total number of students during the year:	<b>3133</b>
File Description	Documents
Institutional data in Prescribed format	<a href="#">View File</a>
2.2 Number of outgoing / final year students during the year:	<b>708</b>
File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>
2.3 Number of students who appeared for the examinations conducted by the institution during the year:	<b>3040</b>
File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>
<b>3.Academic</b>	
3.1 Number of courses in all programmes during the year:	<b>1007</b>
File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>
3.2 Number of full-time teachers during the year:	<b>239</b>

File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>
3.3 Number of sanctioned posts for the year:	<b>239</b>
<b>4. Institution</b>	
4.1 Number of seats earmarked for reserved categories as per GOI/State Government during the year:	<b>589</b>
4.2 Total number of Classrooms and Seminar halls	<b>64</b>
4.3 Total number of computers on campus for academic purposes	<b>1041</b>
4.4 Total expenditure, excluding salary, during the year (INR in Lakhs):	<b>287.28</b>
<b>Part B</b>	
<b>CURRICULAR ASPECTS</b>	
<b>1.1 - Curriculum Design and Development</b>	
1.1.1 - Curricula developed and implemented have relevance to the local, national, regional and global developmental needs which are reflected in Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) of the various Programmes offered by the Institution.	
<p>Curricula and syllabi are crafted to reflect emerging technologies and updated regularly to integrate recent advancements, aligned with the department's Vision, Mission, Program Educational Objectives (PEOs), Program Outcomes (POs), and Program Specific Outcomes (PSOs). Stakeholder input shapes Course Outcomes (COs), POs, and PSOs, with annual evaluation by the Programme Assessment Committee (PAC) and Department Advisory Board (DAB) involving stakeholders like students, alumni, industries, and experts informs curriculum development. Revisions consider advanced technologies and stakeholder feedback, reviewed by the Chairman of the Board of Studies (BoS). Recommendations are submitted to the BoS for</p>	



approval, then to the Academic Council for scrutiny and approval regarding course offerings, academic regulations, curricula, syllabi, and modifications.

#### Outcome Based Education (OBE):

OBE is adopted by the Institution since 2015-16. Curriculum is designed with the inputs of Governing Body, Academic Council, BOS and stakeholders, emphasizing practical learning through projects and internships.

#### Choice Based Credit System (CBCS):

Since 2015-2016, the institution has adopted the Choice Based Credit System (CBCS), offering students flexibility in course selection and credit acquisition.

#### Curriculum on National, Regional and Global Developmental Needs:

The curriculum addresses regional, national, and global developmental needs by offering courses in soft skills, employability enhancement, waste management, and ethics. Additionally, clubs and partnerships with corporations (Thulliam and I GEN) provide lifelong learning opportunities and develop employability skills for national and global markets.

File Description	Documents
Upload additional information, if any	<a href="#">View File</a>
Link for additional information	<a href="https://nandhaengg.org/wp-content/uploads/2024/02/OBE.pdf">https://nandhaengg.org/wp-content/uploads/2024/02/OBE.pdf</a>

#### 1.1.2 - Number of Programmes where syllabus revision was carried out during the year

18

File Description	Documents
Minutes of relevant Academic Council/BOS meeting	<a href="#">View File</a>
Details of syllabus revision during the year	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

**1.1.3 - Number of courses focusing on employability/entrepreneurship/ skill development offered by the Institution during the year****537**

File Description	Documents
Curriculum / Syllabus of such courses	<a href="#">View File</a>
Minutes of the Boards of Studies/ Academic Council meetings with approval for these courses	<a href="#">View File</a>
MoUs with relevant organizations for these courses, if any	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

**1.2 - Academic Flexibility****1.2.1 - Number of new courses introduced across all programmes offered during the year****376**

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Institutional data in prescribed format (Data Template)	<a href="#">View File</a>

**1.2.2 - Number of Programmes offered through Choice Based Credit System (CBCS)/Elective Course System****18**

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
List of Add on /Certificate programs (Data Template)	<a href="#">View File</a>

**1.3 - Curriculum Enrichment**

1.3.1 - Institution integrates cross-cutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, and Human Values into the curriculum

Nandha Engineering College aims to instill ethics and values in students, shaping them into responsible citizens. The curriculum includes courses on professional ethics, gender, human values, and environmental sustainability. Supplementary activities like seminars, guest lectures, and workshops are organized throughout the year to integrate cross-cutting issues effectively.

**Professional Ethics:**

The curriculum includes courses covering various aspects of Professional Ethics such as Business Ethics, Corporate Social Responsibility, and Human Behaviors at Work. These courses instill ethical norms and values essential for peaceful coexistence and guide professional conduct, promoting a harmonious balance between personal and professional life.

**Human Values:**

Courses like Interpersonal Values, Professional Ethics, and Essence of Indian Traditional Knowledge for Engineers are included in the curriculum to impart human values. The institution offers yoga classes for students' overall well-being and mental calmness. Clubs like YRC, NSS, and Road Safety promote service to society, teamwork, and leadership through activities like blood donation camps.

**Gender Equity:**

The institution promotes gender equity through equal opportunities in admissions, training, and activities. Courses like Organizational Behavior and Microfinance address this. Women are encouraged to hold positions in associations and clubs, participate in empowerment events, and are supported by Women Development and Anti-Sexual Harassment Cells for social respect and safety.

**Environment and Sustainability:**

Courses like Environmental Engineering, Sustainable Agriculture, and Waste Management raise awareness about environmental issues. Open electives such as Waste Water Treatment and Renewable Energy Technology help students understand pollution causes, waste management, and the impact of human activities on the environment.

File Description	Documents
Upload the list and description of the courses which address issues related to Gender, Environment and Sustainability, Human Values and Professional Ethics in the curriculum	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 1.3.2 - Number of value-added courses for imparting transferable and life skills offered during the year

23

File Description	Documents
List of value-added courses	<a href="#">View File</a>
Brochure or any other document relating to value-added courses	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 1.3.3 - Number of students enrolled in the courses under 1.3.2 above

1386

File Description	Documents
List of students enrolled	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 1.3.4 - Number of students undertaking field work/projects/ internships / student projects

880

File Description	Documents
List of programmes and number of students undertaking field projects / internships / student projects	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

## 1.4 - Feedback System

1.4.1 - Structured feedback and review of the syllabus (semester-wise / year-wise) is obtained

A. All 4 of the above

from 1) Students 2) Teachers 3) Employers  
and 4) Alumni

File Description	Documents
Provide the URL for stakeholders' feedback report	<a href="https://docs.google.com/forms/d/e/1FAIpOLSeOhkDBf7jCTKBBQcNEgGDgFk2HCgUOSZbnZH84qmHZaMZ49w/viewform?usp=sf_link">1. https://docs.google.com/forms/d/e/1FAIpOLSeOhkDBf7jCTKBBQcNEgGDgFk2HCgUOSZbnZH84qmHZaMZ49w/viewform?usp=sf_link</a>
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

**1.4.2 - The feedback system of the Institution comprises the following**

**A. Feedback collected, analysed and action taken made available on the website**

File Description	Documents
Provide URL for stakeholders' feedback report	<a href="https://docs.google.com/forms/d/e/1FAIpOLSeOhkDBf7jCTKBBQcNEgGDgFk2HCgUOSZbnZH84qmHZaMZ49w/viewform?usp=sf_link">1. https://docs.google.com/forms/d/e/1FAIpOLSeOhkDBf7jCTKBBQcNEgGDgFk2HCgUOSZbnZH84qmHZaMZ49w/viewform?usp=sf_link</a>
Any additional information	<a href="#">View File</a>

## TEACHING-LEARNING AND EVALUATION

### 2.1 - Student Enrollment and Profile

#### 2.1.1 - Enrolment of Students

##### 2.1.1.1 - Number of students admitted (year-wise) during the year

855

File Description	Documents
Any additional information	<a href="#">View File</a>
Institutional data in prescribed format	<a href="#">View File</a>

##### 2.1.2 - Number of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc.) as per the reservation policy during the year (exclusive of supernumerary seats)

589

File Description	Documents
Any additional information	<a href="#">View File</a>
Number of seats filled against seats reserved (Data Template)	<a href="#">View File</a>

## 2.2 - Catering to Student Diversity

2.2.1 - The institution assesses students' learning levels and organises special programmes for both slow and advanced learners.

### Learning Level Assessment

Student's learning levels are assessed by the Proctors and Academic Coordinators based on the performance in Continuous Assessment Tests and End Semester Examination results.

#### Slow learners

Students are identified as slow learners and adequate support are provided to overcome academic difficulties by arranging video presentation, additional coaching classes and practice assignments.

Tutorial classes and remedial classes are provided to facilitate slow learners. Periodic counseling sessions are arranged for the slow learners to motivate and perform well. Students are motivated to talk in English in every class hour either by recapitulation or concluding what had been taught to them. Academic problems are addressed in tutorial classes, assignments are evaluated and suggestions are given for improvements.

Every year, Lateral entry students undergo Bridge course at the beginning of the third semester.

#### Advanced learners

The institution encourages high performers to participate in competitions, Workshops, Association activities, Professional society activities, Co-curricular and Extracurricular activities.

Students with good academic excellence are encouraged to study online courses in NPTEL to acquire wide spectrum of knowledge in their domain area and to inculcate interest towards research.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://nandhaengg.org/2-2-catering-to-student-diversity-2-3/">https://nandhaengg.org/2-2-catering-to-student-diversity-2-3/</a>

### 2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
Nil	3133	239

File Description	Documents
Upload any additional information	<a href="#">View File</a>

### 2.3 - Teaching- Learning Process

2.3.1 - Student-centric methods such as experiential learning, participative learning and problem-solving methodologies are used for enhancing learning experiences:

#### EXPERIENTIAL LEARNING

#### PBL/RBL (Project Based Learning/Research Based Learning)

In the curriculum few core subjects are introduced as PBL/RBL (Project Based Learning/Research Based Learning) to inculcate project skills in the domain of study. Knowledge gained through the PBL/RBL helps the students to do collaborative projects.

#### Internship

An internship is the best way to apply the classroom knowledge into practice. undergoing

an internship, the students will gain experience, learn new skills and add value for their career

prospects.

#### Value added courses/One Credit Courses

Skill-based courses in emerging areas are offered as Value added

courses /One Credit Courses. These courses are handled by industry experts and faculty members.

#### PARTICIPATIVE LEARNING

##### Professional Society

Students are motivated to get enrolled in professional societies like CSI, ISTE, IETE, and IEI etc. Promotion of creativity and critical thinking among the students is accomplished through these forums

##### Club Activities

The institute organizes various activities through Fine Arts club, Sports club, Photography club, Music club, Tree Plantation club, Road safety club, National Service Scheme (NSS), National Cadet Corps (NCC), Youth Red Cross (YRC), Women Development Cell (WDC), etc., to inculcate moral and ethical principles in the students in turn to society.

#### PROBLEM SOLVING METHODOLOGY

- TamilNadu State Council for Science & Technology (TNSCST) funds our student

Projects that solve the problems of social relevance.

- Real time assignments and case studies enable the students to provide the solutions for real world problems.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Link for additional Information	<a href="https://nandhaengg.org/2-3-1-student-centric-methods-2-3/">https://nandhaengg.org/2-3-1-student-centric-methods-2-3/</a>

2.3.2 - Teachers use ICT-enabled tools including online resources for effective teaching and learning

#### Digital Library



Nandha Engineering Central Library (NECL) is fully automated and specially designed to motivate the learning skills of students community. The library has a unique website in the name NECL.

#### Examly

Nandha Engineering College uses Examly Software that provides learning contents, practice exercises and assessments to teach programming courses for improving the programming skills of students.

#### Google Classroom

Classroom helps to streamline the process of sharing materials, assignments, boost collaboration, and to faster communication. Students use classroom with many tools such as Gmail, Google Docs, and Google Calendar.

#### NPTEL

Students are encouraged to enroll for NPTEL courses and acquire knowledge pertaining to the domain. Course exemption is offered depending upon the credits.

#### Name of the e-content development content

<https://www.youtube.com/watch?v=UOxGzGKc7mc&feature=youtu.be>

<https://parameshwarivelumani.blogspot.com/>

#### Youtube Link

<https://youtu.be/UVj0PJtcw8Y?si=tiMmC3SF60K4419v>

[https://www.youtube.com/playlist?list=PLkh8lCyH0toa3up\\_g4gjGZeBnGLT6P4gM](https://www.youtube.com/playlist?list=PLkh8lCyH0toa3up_g4gjGZeBnGLT6P4gM)

[https://youtu.be/iuv\\_3bu4cjM?si=E5FXRuFg47niduDO](https://youtu.be/iuv_3bu4cjM?si=E5FXRuFg47niduDO)

<https://www.youtube.com/playlist?list=PLkh8lCyH0toZ1N4GIqlQQt510d6JiUiY6>

<https://youtu.be/Wd2k3fANv3k>

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	<a href="https://nandhaengg.org/wp-content/uploads/2024/02/2.3.2.pdf">https://nandhaengg.org/wp-content/uploads/2024/02/2.3.2.pdf</a>
Upload any additional information	<a href="#">View File</a>

### 2.3.3 - Ratio of students to mentor for academic and other related issues

#### 2.3.3.1 - Number of mentors

166

File Description	Documents
Upload year-wise number of students enrolled and full-time teachers on roll	<a href="#">View File</a>
Circulars with regard to assigning mentors to mentees	<a href="#">View File</a>

### 2.3.4 - Preparation and adherence to Academic Calendar and Teaching Plans by the institution

#### Academic Calendar

Academic calendar is prepared in discussion with the Principal, CoE, Deans and HoD. Academic calendar is prepared well in advance for each semester of every academic year for all classes and it will be circulated among the faculty and students. A time line is suggested to complete the syllabus and the schedule of the Internal and End Semester Examinations. It contains all important details such as commencement of Classes, Internal exam schedule, PTM schedule, Project review dates, assignment submission dates, Class committee meeting information, Academic Audit schedule, Submission of CAT marks, Internal marks and Tentative date for End Semester Exams, Public holidays.

#### Course Plan

Curriculum and Syllabus is developed in BoS meeting and the same is approved in Academic Council Meeting. The curriculum and the syllabi is framed that in about 45 to 60 periods durations. Before commencement of every Semester, Department Heads convene a meeting with their faculty members to allocate the courses both theory and

laboratory. On the basis of academic calendar, time table and teaching plan are prepared. For effective class room teaching from day one onwards, readiness team audit the course content such as lecture notes, study materials, Powerpoint presentations and laboratory needs.

File Description	Documents
Upload the Academic Calendar and Teaching Plans during the year	<a href="#">View File</a>

## 2.4 - Teacher Profile and Quality

### 2.4.1 - Number of full-time teachers against sanctioned posts during the year

239

File Description	Documents
Year-wise full-time teachers and sanctioned posts for the year	<a href="#">View File</a>
List of the faculty members authenticated by the Head of HEI	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 2.4.2 - Number of full-time teachers with PhD/ D.M. / M.Ch. / D.N.B Super-Specialty / DSc / DLitt during the year

61

File Description	Documents
List of number of full-time teachers with PhD./ D.M. / M.Ch. / D.N.B Super-Specialty / D.Sc. / D.Litt. and number of full-time teachers for 5 years	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 2.4.3 - Total teaching experience of full-time teachers in the same institution: (Full-time teachers' total teaching experience in the current institution)

20831

File Description	Documents
List of teachers including their PAN, designation, Department and details of their experience	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

## 2.5 - Evaluation Process and Reforms

### 2.5.1 - Number of days from the date of last semester-end/ year- end examination till the declaration of results during the year

16

File Description	Documents
List of Programmes and the date of last semester-end / year-end examinations and the date of declaration of result	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 2.5.2 - Number of students' complaints/grievances against evaluation against the total number who appeared in the examinations during the year

51

File Description	Documents
Upload the number of complaints and total number of students who appeared for exams during the year	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

2.5.3 - IT integration and reforms in the examination procedures and processes including Continuous Internal Assessment (CIA) have brought in considerable improvement in the Examination Management System (EMS) of the Institution

E-Nova software is built with modules on Curriculum, Time Table, Attendance, Examination System and Result Processing which includes all the examination processes like Nominal Roll Generation, Course Registration, , Exam Application Generation, Exam Fees Collection, e-Hall Ticket Generation, Results Releasing and Revaluation Process.

Processes integrating IT

- Introducing of master course from academic council data form syllabus.
- Registration of students for Regular courses.
- Generate examination application form.
- Record of question paper bank and Valuer by Head of the Department (HoD).
- Preparation of Continuous Assessment Test Time table
- Semester examination Question Paper setter and valuation entry by HoD
- Question Paper setting order sent by Controller of Examinations (CoE)
- Preparation of Examination Gallery report.
- Publication of Exam Time table through web portal.
- Examination seating arrangement in software and display for student view.
- Semester Exam Invigilation duty assignment and order printing
- Examination Valuation order mailed.
- Valuation mark entry and printing of Hardcopy of Grade sheet.
- Generation of valuation claim bill and sent through online.
- Result published in college website on the same day of Result Passing Board
- Applying for Revaluation and Retotalling.
- Revaluation result published in college website
- Award list is prepared and sent the same to University for issuing Provisional certificate and Degree Certificate
- Printing of Grade sheet, Consolidated Marksheet for issuing to students

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://nandhaengg.org/wp-content/uploads/2024/02/COE-MANUAL.pdf">https://nandhaengg.org/wp-content/uploads/2024/02/COE-MANUAL.pdf</a>

## 2.6 - Student Performance and Learning Outcomes

2.6.1 - Programme Outcomes and Course Outcomes for all Programmes offered by the institution are stated and displayed on the website and communicated to teachers and students

The institution is implementing Outcome Based Education (OBE) following the National Board of Accreditation (NBA) guidelines. The institution prepares Programme Educational Objectives (PEOs), Programme Specific Outcomes (PSO), and Program Outcomes for each department, which are used to measure outcomes based on Graduate Attributes (GAs). The learning effectiveness of any program and

course depends on the POs and Course Outcomes (COs). The POs, PSO, and PO are displayed at various locations and available on the institute's website to make faculty members and students aware. Course Outcomes are mentioned in the syllabus of respective courses to make students aware.

The POs and COs help develop the framework of teaching and learning, providing clear understanding of course expectations, employability, skill development, and entrepreneurship prospects. They also help understand cross-cutting issues pertaining to gender, environment, values, and professional ethics. The Board of Studies and Academic council approve the curriculum, which incorporates the POs, PSOs, and COs for all programs offered by the institution.

The process of dissemination includes the college website, internal stakeholders, students, proctors, external stakeholders, and alumni meetings.

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Link for additional Information	<a href="https://nandhaengg.org/2-6-1-po-pso-co-2-3/">https://nandhaengg.org/2-6-1-po-pso-co-2-3/</a>

#### 2.6.2 - Attainment of Programme Outcomes and Course Outcomes as evaluated by the institution

The curriculum design was conducted in 2013-2017, following recommendations from the Program Assessment Committee and Department Advisory Board. To assess compliance with Program Outcomes (POs) and Program Specific Outcomes (PSOs), direct and indirect assessment methods are used. Direct assessment involves analyzing student performance through Continuous Assessment Test (CAT), Assignments, Online Tests, End Semester Examinations (ESE), and Project evaluation. Indirect assessment involves alumni, employer, student exit, and course end surveys. Course coordinators monitor attainment levels of COs, POs, and PSOs, setting target levels and determining attainment levels. The evaluation of POs and PSOs is based on mappings from COs to POs and PSOs. The academic programs have clearly stated Program Educational Objectives (PEOs), Mission, and Vision, and the correlation of POs with PEOs and Mission statements is integrated with the institute's Vision and Mission. The

attainment levels of COs, POs, and PSOs are crucial for the OBE system, creating an academic environment for excellence. The efficiency and effectiveness of the process are continuously monitored and improved by taking input from department meetings.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://nandhaengg.org/wp-content/uploads/2024/02/2.6.2-Attainment-2019-23.pdf">https://nandhaengg.org/wp-content/uploads/2024/02/2.6.2-Attainment-2019-23.pdf</a>

### 2.6.3 - Pass Percentage of students

#### 2.6.3.1 - Total number of final year students who passed in the examinations conducted by Institution

797

File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Paste link for the annual report	<a href="https://nandhaengg.org/2-6-3-average-pass-percentage-of-students-2-3/">https://nandhaengg.org/2-6-3-average-pass-percentage-of-students-2-3/</a>

### 2.7 - Student Satisfaction Survey

#### 2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire). Results and details need to be provided as a weblink

<https://nandhaengg.org/wp-content/uploads/2024/01/SSS-2023.pdf>

### RESEARCH, INNOVATIONS AND EXTENSION

#### 3.1 - Promotion of Research and Facilities

3.1.1 - The institution's research facilities are frequently updated and there is a well-defined policy for promotion of research which is uploaded on the institutional website and implemented

The professional institution has framed a strong research policy to

promote research interest and innovations in the emerging areas of Science, Engineering, and Technology to support a research culture among faculty members and research scholars to undertake interdisciplinary research. The excellence of research work directly translates to the excellence of teaching and learning in the classroom, benefiting students, society, and our country. The research activities encourage the academic programme by enriching the knowledge of the faculties in their field of expertise. The strength of the research initiatives is that they confirm to established norms and standards for the safe and ethical conduct of research. The well-defined research policy has been approved and uploaded on the college website. Our institute has constituted research committee by Principal with the Director and all the Heads and Deans are nominated as Research Composition Committee members to monitor research activities. The institution has been 3 research centres offering Ph.D programmes in different disciplines they are Computer Science and Engineering (CSE), Electronics and Communication Engineering (ECE) and Mechanical Engineering (Mech). The Institution has conducted various webinars, workshops, and FDPs to promote research in the areas of patents, improving research visibility, etc.

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	<a href="#">View File</a>
Provide URL of policy document on promotion of research uploaded on the website	<a href="https://nandhaengg.org/research-policy/">https://nandhaengg.org/research-policy/</a>
Any additional information	<a href="#">View File</a>

### 3.1.2 - The institution provides seed money to its teachers for research

#### 3.1.2.1 - Seed money provided by the institution to its teachers for research during the year (INR in lakhs)

1.19



File Description	Documents
Minutes of the relevant bodies of the institution regarding seed money	<a href="#">View File</a>
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	<a href="#">View File</a>
List of teachers receiving grant and details of grant received	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 3.1.3 - Number of teachers who were awarded national / international fellowship(s) for advanced studies/research during the year

31

File Description	Documents
e-copies of the award letters of the teachers	<a href="#">View File</a>
List of teachers and details of their international fellowship(s)	<a href="#">View File</a>
Any additional information	No File Uploaded

### 3.2 - Resource Mobilization for Research

#### 3.2.1 - Grants received from Government and Non-Governmental agencies for research projects, endowments, Chairs during the year (INR in Lakhs)

30.22

File Description	Documents
e-copies of the grant award letters for research projects sponsored by non-governmental agencies/organizations	<a href="#">View File</a>
List of projects and grant details	<a href="#">View File</a>
Any additional information	No File Uploaded

#### 3.2.2 - Number of teachers having research projects during the year

9

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://nandhaengg.org/wp-content/uploads/2024/01/3.2.2-a-E-Copies-of-teachers-having-research-projects.pdf">https://nandhaengg.org/wp-content/uploads/2024/01/3.2.2-a-E-Copies-of-teachers-having-research-projects.pdf</a>
List of research projects during the year	<a href="#">View File</a>

### 3.2.3 - Number of teachers recognised as research guides

22

File Description	Documents
Upload copies of the letter of the university recognizing teachers as research guides	<a href="#">View File</a>
Institutional data in Prescribed format	<a href="#">View File</a>

### 3.2.4 - Number of departments having research projects funded by Government and Non-Government agencies during the year

4

File Description	Documents
Supporting document from Funding Agencies	<a href="#">View File</a>
Paste link to funding agencies' website	<a href="https://nandhaengg.org/wp-content/uploads/2023/05/Link_to_Funding-Agencies.pdf">https://nandhaengg.org/wp-content/uploads/2023/05/Link_to_Funding-Agencies.pdf</a>
Any additional information	<a href="#">View File</a>

## 3.3 - Innovation Ecosystem

3.3.1 - Institution has created an ecosystem for innovations and creation and transfer of knowledge supported by dedicated centres for research, entrepreneurship, community orientation, incubation, etc.

Centre for Innovation and Product Development- Established in year 2014 aimed of creating spark of innovation in the students' mind and to expose them to the existing problems that need to be solved. It encourages the students to come up with ideas which have innovation, Intellectual Property Right component and potential commercial

value. Business Incubator - Established in year 2016 and received Host Institution from MSME, Government of India in the year 2018. So far, 10 products launched for society. The MSME had sanctioned Rs.15 lakhs in year 2021, 14.75 lakhs in year 2022 and 29 lakhs in year 2023. Institution's Innovation Council - Started in 2018 to create an ecosystem. To encourage the student to work on new ideas and innovation and promote to develop products, to develop better cognitive ability for Engineering/technology and to identify and reward innovations and share success stories, periodic activities with innovators/startups/entrepreneurs, professionals and creation of mentor pool, network with peers and national ED organizations. Entrepreneur Development Centre - Established in 2013 to enhance entrepreneurship awareness among the student communities. Cell organizing entrepreneurial promotional programs to transform students into entrepreneurs once they complete their graduation besides creating entrepreneurial awareness among them with funding supports from various agencies.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://nandhaengg.org/3-3-innovation-ecosystem-2-3/">https://nandhaengg.org/3-3-innovation-ecosystem-2-3/</a>

### 3.3.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR), Entrepreneurship and Skill Development during the year

63

File Description	Documents
Report of the events	<a href="#">View File</a>
List of workshops/seminars conducted during the year	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 3.4 - Research Publications and Awards

**3.4.1 - The Institution ensures implementation of its Code of Ethics for Research uploaded in the website through the following: Research Advisory Committee Ethics Committee Inclusion of Research Ethics in the research methodology course work Plagiarism check**

**A. All of the above**

through authenticated software

File Description	Documents
Code of Ethics for Research, Research Advisory Committee and Ethics Committee constitution and list of members of these committees, software used for plagiarism check	<a href="#">View File</a>
Any additional information	No File Uploaded

**3.4.2 - Number of PhD candidates registered per teacher (as per the data given with regard to recognized PhD guides/ supervisors provided in Metric No. 3.2.3) during the year**

**3.4.2.1 - Number of PhD students registered during the year**

4

File Description	Documents
URL to the research page on HEI website	<a href="https://nandhaengg.org/research-activities/">https://nandhaengg.org/research-activities/</a>
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

**3.4.3 - Number of research papers per teacher in CARE Journals notified on UGC website during the year**

66

File Description	Documents
List of research papers by title, author, department, and year of publication	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

**3.4.4 - Number of books and chapters in edited volumes / books published per teacher during the year**

235

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://nandhaengg.org/wp-content/uploads/2024/01/3.4.4.b_-Additional-information.pdf">https://nandhaengg.org/wp-content/uploads/2024/01/3.4.4.b_-Additional-information.pdf</a>

### 3.4.5 - Bibliometrics of the publications during the year based on average Citation Index in Scopus/ Web of Science/PubMed

#### 3.4.5.1 - Total number of Citations in Scopus during the year

617

File Description	Documents
Any additional information	<a href="#">View File</a>
Bibliometrics of the publications during the year	<a href="#">View File</a>

### 3.4.6 - Bibliometrics of the publications during the year based on Scopus/ Web of Science – h-Index of the University

#### 3.4.6.1 - h-index of Scopus during the year

23

File Description	Documents
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 3.5 - Consultancy

#### 3.5.1 - Revenue generated from consultancy and corporate training during the year (INR in lakhs)

38.52192

File Description	Documents
Audited statements of accounts indicating the revenue generated through consultancy and corporate training	<a href="#">View File</a>
List of consultants and revenue generated by them	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 3.5.2 - Total amount spent on developing facilities, training teachers and clerical/project staff for undertaking consultancy during the year

1.75

File Description	Documents
Audited statements of accounts indicating the expenditure incurred on developing facilities and training teachers and staff for undertaking consultancy	<a href="#">View File</a>
List of training programmes, teachers and staff trained for undertaking consultancy	<a href="#">View File</a>
List of facilities and staff available for undertaking consultancy	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 3.6 - Extension Activities

3.6.1 - Extension activities carried out in the neighbourhood sensitising students to social issues for their holistic development, and the impact thereof during the year

#### Response:

The Nandha Engineering College organizes several extension activities to uplift the institute-neighborhood community to sensitise the students towards community needs. Extension programmes like NSS, YRC, Tree Plantation Club, and Road Safety Club to encourage students to participate in community building processes.

#### National Service Scheme (NSS):

The NSS of Nandha Engineering College has undertaken several

extension activities for the benefit of society. NSS organizes a various awareness programmes and camps in nearby villages and addresses the significance of social issues.

#### Social club:

Our institution encourages student participation in community service through Social club. Programmes like planting saplings, visiting old age homes and orphanages, clean India activities and awareness programmes were arranged.

#### Personality and Character Development:

The institution has vibrant clubs such as Tree Plantation Club, Road Safety Club, and YRC, which have been made an integral part of the curriculum to encourage students to participate in community building processes. Students can learn about social responsibility by participating in these clubs.

#### Innovation Day and Career Guidance Programme:

We host an innovation day to exhibit the various projects and share their ideas with the public and school students. This initiative promotes innovative ideas among school students.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://nandhaengg.org/personality-and-character-development/">https://nandhaengg.org/personality-and-character-development/</a>

### 3.6.2 - Number of awards and recognition received by the Institution, its teachers and students for extension activities from Government / Government-recognised bodies during the year

10

File Description	Documents
Number of awards for extension activities in during the year	<a href="#">View File</a>
e-copy of the award letters	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

**3.6.3 - Number of extension and outreach programmes conducted by the institution through NSS/NCC/Red Cross/YRC, etc. during the year (including Government-initiated programmes such as Swachh Bharat, AIDS Awareness, and Gender Sensitization and those organised in collaboration with industry, community and NGOs)**

39

File Description	Documents
Reports of the events organized	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

**3.6.4 - Number of students participating in extension activities listed in 3.6.3 during the year**

1505

File Description	Documents
Reports of the events	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

**3.7 - Collaboration**

**3.7.1 - Number of collaborative activities during the year for research/ faculty exchange/ student exchange/ internship/ on-the-job training/ project work**

284

File Description	Documents
Copies of documents highlighting collaboration	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

**3.7.2 - Number of functional MoUs with institutions of national and/or international importance, other universities, industries, corporate houses, etc. during the year (only functional MoUs with ongoing activities to be considered)**

19



File Description	Documents
e-copies of the MoUs with institution/ industry/ corporate house	<a href="#">View File</a>
Details of functional MoUs with institutions of national, international importance, other institutions etc. during the year	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

## INFRASTRUCTURE AND LEARNING RESOURCES

### 4.1 - Physical Facilities

4.1.1 - The Institution has adequate infrastructure and physical facilities for teaching-learning, viz., classrooms, laboratories, computing equipments, etc.

#### Key Indicator - 4.1 Physical Facilities

Nandha Engineering College (NEC) covers a boundary of 25 acres and is well connected to the state highways, with a 4,43,234 sq. ft area of built up structures with all essential amenities. All the classrooms (63 Nos) are equipped with LCD/LED Projectors/Smart TVs, Personal Computers, and Wired/Wireless Internet connectivity. Among 63 classrooms, 51 are for Under Graduate (UG) programmes and 12 are for Post Graduate (PG) programmes. The Infrastructure includes 4 drawing halls of 4300 sq.ft, 3 Seminar halls of 2680 sq.ft and an Auditorium of 5655 sq.ft spanning across 9 blocks. NEC is equipped with 58 laboratories for various disciplines with state of the art facilities. Industry Sponsored laboratories in collaboration with the leading industries and funding agencies have been established in the frontier area of Engineering and Technology. All the laboratories are provided with adequate periodically calibrated equipment to give practical exposure to the students. Besides equipment, the laboratories are supported with First-Aid boxes and each block has fire extinguishers to ensure the safety of the students.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://nandhaengg.org/4-1-1-adequate-infrastructure-2-3">https://nandhaengg.org/4-1-1-adequate-infrastructure-2-3</a>

4.1.2 - The institution has adequate facilities for cultural activities, yoga, sports and games (indoor and outdoor) including gymnasium, yoga centre, auditorium etc.)

The institution has adequate facilities for cultural activities, yoga, games and sports (indoor & outdoor); (gymnasium, yoga center, auditorium, etc.,)

**Response:**

**Sports Activities**

With a firm belief that physical fitness leads to mental fitness, the college provides first-rate facilities on play fields for various games like Volleyball, Football, Cricket, Badminton, Hockey, Chess, Caroms etc., in the campus.

**Department of Physical Education**

The Physical Education Department has all the facilities to promote sports and games among the students. The total area of the playground is more than 10 acres. State level and District level tournaments are periodically held on the campus.

**Facilities**

**Volleyball**

**3 Courts**

**Cricket**

**1 Ground**

**Cricket Nets**

**2**

**Football**

1 field

Hockey

1 field

Kabaddi

2 Courts

Badminton

4 Courts

Table Tennis

3

Carrom, Chess

10

Basketball Court

1

Track & Field

400mts/6 lanes

Yoga

Yoga is a holistic practice that helps to gain overall balance and focus. Students experience an increase in strength and flexibility, decrease in stress level and tension in the muscles, and a feeling of mental clarity and peace.

Indoor Auditorium

Open Air Theater

ATM

**Gymnasium****Medical Facilities**

File Description	Documents
Geotagged pictures	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://nandhaengg.org/4-1-2-facilities-2-3">https://nandhaengg.org/4-1-2-facilities-2-3</a>

**4.1.3 - Number of classrooms and seminar halls with ICT-enabled facilities****64**

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	<a href="#">View File</a>

**4.1.4 - Expenditure for infrastructure augmentation, excluding salary, during the year (INR in Lakhs)****141.95**

File Description	Documents
Upload audited utilization statements	<a href="#">View File</a>
Details of Expenditure, excluding salary, during the years	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

**4.2 - Library as a Learning Resource**

4.2.1 - Library is automated using Integrated Library Management System (ILMS)

**LIBRARY MANAGEMENT SYSTEM (ILMS)**

Nandha Engineering College Central Library (NECL) is fully automated and specially designed to motivate the learning experience of faculty members and students community. It functions in three storeyed building with the area of 1080 square feet.

- Name of the Software -CAMPEs iLIB
- Nature of automation-Fully Automated with Barcode tag
- 
- Year of automation -2006

It is an integrated multi user package which can be accessed by the library users. The software has the facility to take reports like

1. Statistics of Acquisition
2. Transaction
3. Periodical
4. Book reservation
5. Members' dues
6. Entry register
7. Best visitors
8. Transactors

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://nandhaengg.org/4-2-1-library-2-3/">https://nandhaengg.org/4-2-1-library-2-3/</a>

**4.2.2 - Institution has access to the following: e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access to e-resources**

**A. Any 4 or more of the above**

File Description	Documents
Details of subscriptions like e-journals, e-books, e-ShodhSindhu, Shodhganga membership	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

**4.2.3 - Expenditure on purchase of books/ e-books and subscription to journals/e-journals during the year (INR in lakhs)**

23

File Description	Documents
Audited statements of accounts	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	<a href="#">View File</a>

**4.2.4 - Usage of library by teachers and students (footfalls and login data for online access)****4.2.4.1 - Number of teachers and students using the library per day during the year**

525

File Description	Documents
Upload details of library usage by teachers and students	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

**4.3 - IT Infrastructure**

4.3.1 - Institution has an IT policy covering Wi-Fi, cyber security, etc. and has allocated budget for updating its IT facilities

Our Campus had focused on best-in-class IT infrastructure and Applications development for Academic and Research support. The campus has been enabled internet service with 1024Mbps in administration to process. The Automation Centre maintains the Servers and Networks which provide Computing facility with Network connectivity, across the college and other buildings of the campus including hostels and quarters. The Automation Centre works under one roof taking care of all the Network, Hardware, Software, Projector and UPS maintenance activities of the Institution.

25 WIFI network systems are available, with highly secured internet firewall security and Antivirus protection for the entire systems, which are used inside the campus. vXenon servers and Rack servers are mainly used for internet connectivity in our campus for highspeed internet access. There is a Microsoft Campus Agreement, which is used for internet connectivity. vWAN connection with fiber

optic cable for upto 2km across the campus is used and CAT 6 cable is used for LAN connectivity.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://nandhaengg.org/4-3-it-infrastructure-2-3/">https://nandhaengg.org/4-3-it-infrastructure-2-3/</a>

#### 4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
3133	1041

File Description	Documents
Upload any additional information	<a href="#">View File</a>

#### 4.3.3 - Bandwidth of internet connection in the Institution and the number of students on campus

A. 750 Mbps

File Description	Documents
Details of bandwidth available in the Institution	No File Uploaded
Upload any additional information	<a href="#">View File</a>

#### 4.3.4 - Institution has facilities for e-content development: Facilities available for e-content development Media Centre Audio-Visual Centre Lecture Capturing System (LCS) Mixing equipments and software for editing

A. All four of the above

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://nandhaengg.org/4-3-4-facilities-for-e-content-development-2-3/">https://nandhaengg.org/4-3-4-facilities-for-e-content-development-2-3/</a>
List of facilities for e-content development (Data Template)	<a href="#">View File</a>

#### 4.4 - Maintenance of Campus Infrastructure

##### 4.4.1 - Expenditure incurred on maintenance of physical and academic support facilities, excluding salary component, during the year (INR in lakhs)

287.28

File Description	Documents
Audited statements of accounts	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

4.4.2 - There are established systems and procedures for maintaining and utilizing physical, academic and support facilities – classrooms, laboratory, library, sports complex, computers, etc.

##### Maintenance Policy

##### Response:

The Institution has designed its own maintenance policy procedure that includes several methods to achieve the effective maintenance of physical, academic and other facilities.

##### Methods

Effective maintenance is being achieved by using the following methods.

1. Reformation site
2. Class Committee Meetings
3. Periodical visits by the supervisors concerned
4. WhatsApp group

##### Maintenance Section



- A centralized maintenance section, headed by a maintenance manager and supported by skilled technicians such as electricians, plumbers, carpenters and masons is in practice.
- This section takes care of the maintenance of infrastructural facilities that include plumbing, electrical, carpentry, masonry and sewage works.
- The section receives maintenance requirements from the departments and other sections and undertakes the necessary work following internal operating procedures under the directions given by the supervisors concerned, without disturbing the regular activities.

#### Internal operating Procedure:

Any problem that persists in a department is represented through the below mentioned methods.

- The supervisor/ skilled person/technician is summoned to rectify the problem.
- The technician resolves the problem on site if no additional material is required.
- In case of material requirements, the materials are received from the maintenance section after the approval of the store manager.
- If the material is to be procured from outside, permission is to be obtained from the maintenance coordinator / administrative officer and arrangements are made for procurement of the material to resolve the problem.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://nandhaengg.org/4-4-maintenance-of-campus-infrastructure-2-3/">https://nandhaengg.org/4-4-maintenance-of-campus-infrastructure-2-3/</a>

## STUDENT SUPPORT AND PROGRESSION

### 5.1 - Student Support

#### 5.1.1 - Number of students benefitted by scholarships and freeships provided by the Government during the year

616

File Description	Documents
Upload self-attested letters with the list of students receiving scholarships	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

### 5.1.2 - Number of students benefitted by scholarships and freeships provided by the institution and non-government agencies during the year

**1140**

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Institutional data in prescribed format	<a href="#">View File</a>

**5.1.3 - The following Capacity Development and Skill Enhancement activities are organised for improving students' capabilities Soft Skills Language and Communication Skills Life Skills (Yoga, Physical fitness, Health and Hygiene) Awareness of Trends in Technology**

**A. All of the above**

File Description	Documents
Link to Institutional website	<a href="https://nandhaengg.org/capacity-development-and-skills-enhancement/">https://nandhaengg.org/capacity-development-and-skills-enhancement/</a>
Details of capability development and schemes	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 5.1.4 - Number of students benefitted from guidance/coaching for competitive examinations and career counselling offered by the institution during the year

**1831**

File Description	Documents
Any additional information	<a href="#">View File</a>
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	<a href="#">View File</a>

**5.1.5 - The institution adopts the following mechanism for redressal of students' grievances, including sexual harassment and ragging: Implementation of guidelines of statutory/regulatory bodies Creating awareness and implementation of policies with zero tolerance Mechanism for submission of online/offline students' grievances Timely redressal of grievances through appropriate committees**

**A. All of the above**

File Description	Documents
Minutes of the meetings of students' grievance redressal committee, prevention of sexual harassment committee and Anti-ragging committee	<a href="#">View File</a>
Details of student grievances including sexual harassment and ragging cases	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

## 5.2 - Student Progression

### 5.2.1 - Number of outgoing students who got placement during the year

**498**

File Description	Documents
Self-attested list of students placed	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

### 5.2.2 - Number of outgoing students progressing to higher education

17

File Description	Documents
Upload supporting data for students/alumni	<a href="#">View File</a>
Details of students who went for higher education	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 5.2.3 - Number of students qualifying in state/ national/ international level examinations during the year

#### 5.2.3.1 - Number of students who qualified in state/ national/ international examinations (e.g.: IIT-JAM/NET/SET/JRF/ GATE /GMAT /CAT/ GRE/ TOEFL/Civil Services/State government examinations) during the year

5

File Description	Documents
Upload supporting data for students/alumni	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 5.3 - Student Participation and Activities

#### 5.3.1 - Number of awards/medals for outstanding performance in sports and/or cultural activities at inter-university / state /national / international events (award for a team event should be counted as one) during the year

12

File Description	Documents
e-copies of award letters and certificates	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

#### 5.3.2 - Presence of an active Student Council and representation of students in academic and administrative bodies/committees of the institution

**Students Association:** Each department has its own association to accomplish students' technical abilities. The Secretary, Joint Secretary, Treasurers, and Executive members are elected by the student members to carry out the association activities to update emerging technologies and bridge the gap between industry and

institute. **Class Committee:** The Class Committee Meeting provides a place for students to discuss their issues related to teaching - learning process. The meeting will be held twice a semester and will include the Convener, Chairperson, and a maximum of eight students who will represent the entire class. The complaints will be resolved and the action being taken will be updated in the reformation portal. **Women Development Cell** Women Development Cell has both the faculty and students of the College as its members and works with an aim to create a gender sensitized community. It has been organizing varied programs and International Women's Day to honor Women achievers with Kalki Award. **Clubs:** Various clubs are formed to maintain mental and physical fitness for the betterment of the students. The students in Cultural, Fine arts, Music, Photography, Sports, Road safety, Tree plantation and Trekking clubs are involved in various activities to build character, leadership and management qualities.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://nandhaengg.org/personality-and-character-development/">https://nandhaengg.org/personality-and-character-development/</a>

### 5.3.3 - Number of sports and cultural events / competitions organised by the institution

6

File Description	Documents
Report of the event	<a href="#">View File</a>
List of sports and cultural events / competitions organised per year	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

### 5.4 - Alumni Engagement

5.4.1 - The Alumni Association and its Chapters (registered and functional) contribute significantly to the development of the institution through financial and other support services

#### Response:

NEC Alumni Association is to coordinate and support the alumni activities to promote Institution's academic, soft skill of the student, industry interface, placement/internship, research and outreach programs to facilitate communication with alumni and to

strengthen alumni bonds of fellowship, professional association and institutional affiliation.

- To encourage alumni to stay connected and to Leverage the resources, talents and initiatives of alumni to advise, guide, advocate the Institution in achieving the respective department's missions and goals.
- To inculcate the culture of philanthropy among the alumni body to ensure that the alumni continue to contribute their time, talent and financial resources to the betterment of the Institution.

NEC Alumni Association is functioning at the Institute and through its chapters spread across the country.

- Reunion
- Academic and Industrial Interaction by Alumni

**Reunion:**

Reunion brings in new opportunities for students as many alumni are Entrepreneurs. This paves way for student recruitment and thus adds to college placement results. Other alumni also play their role as Mentors where they provide financial and other support for students in need.

**Academic and Industrial Interaction by Alumni:**

- Member in Board of Studies
- Member in Academic Council
- Resource person for One credit/Two credit courses
- Guest Lectures
- Inplant Training/Internships /Placements

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://nandhaengg.org/alumni-at-nec/">https://nandhaengg.org/alumni-at-nec/</a>

**5.4.2 - Alumni's financial contribution during the year**

C. 5 Lakhs - 10 Lakhs

File Description	Documents
Upload any additional information	<a href="#">View File</a>

## GOVERNANCE, LEADERSHIP AND MANAGEMENT

### 6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of an effective leadership in tune with the vision and mission of the Institution

#### Vision:

To be an Institute of excellence providing quality Engineering, Technology and Management education to meet the ever changing needs of the society.

#### Mission:

1. To provide quality education to produce ethical and competent professionals with social responsibility.
2. To excel in the thrust areas of Engineering, Technology and Entrepreneurship by solving real- world problems.
3. To create a learner centric environment and improve continually to meet the changing global needs.

Nature of Governance: Activities like Academic, Initiating New Programs, research centres, Choice Based Credit System, Relative Grading and Accreditation process are executed by involving all faculty.

Governing Council: The GC meets once in a year, ensures that all decisions on admission, budget, infrastructure, teaching-learning process, placements are in line with the Institute's vision, mission, and quality policy.

#### Institute Quality Assurance Cell (IQAC):

The objective of IQAC is to build a structure for making deliberate action to progress the institution's academic and administrative performance.

#### Statutory and Non- statutory Committees:

To manage activities related to planning evaluation, academics, placement, student centric activities, co-curricular and extra-

curricular activities, Industry Institute Partnership.

**Finance Committee:** To ensure the financial resources and scrutinizes the budget and monitors utilization. The committee proposes the budget for the financial year of departments and institute.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://nandhaengg.org/6-1-1-governance-of-the-institution-2-3/">https://nandhaengg.org/6-1-1-governance-of-the-institution-2-3/</a>

6.1.2 - Effective leadership is reflected in various institutional practices such as decentralization and participative management

In pursuit of expediting decision-making in academic and administrative matters while ensuring transparency, decentralization strategies have been implemented. The Standing Committee for Academic Affairs comprised of Principal, IQAC members and department heads, convenes weekly to assess progress in academics, research, and placement. Additional committees such as the Student Welfare Committee, Anti-Sexual Harassment Committee, Women Development Cell, Grievance Redressal Committee, Anti-Ragging Committee, and Alumni Cell are in place for timely decision-making. Department heads bear responsibility for academic and administrative affairs within their departments, including workload allocation based on faculty specialization.

Institutional practices involve organizing activities like workshops, seminars, and webinars to bridge the gap between industry needs and the curriculum. Faculty members manage the entire course execution process, from budget requests to event planning and resource identification.

Under a participative management approach, regular review meetings are conducted to discuss institutional and departmental activities, focusing on student and faculty performance. Various aspects such as enrollment ratio, academic performance, graduate outcomes, career guidance, training, placement, industry visits, internships, and sports achievements are scrutinized. Faculty activities including the teaching-learning process, training programs, publications, copyrights, and patents, are monitored. Departmental activities encompass signing MoUs, stakeholder visits, strategic plan implementation with commendation for top-performing departments.



File Description	Documents
Upload strategic plan and deployment documents on the website	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://nandhaengg.org/6-1-2-decentralization-participative-management-2-3/">https://nandhaengg.org/6-1-2-decentralization-participative-management-2-3/</a>

## 6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ Perspective plan has been clearly articulated and implemented

Our strategic plan is holistic that includes number of interrelated components like Teaching Learning process, Infrastructure, Faculty and Supporting Staff Schemes, Students, Research and Development, Collaboration at National and International level Community engagement. The Institute's Strategic Committee was constituted in 2015 followed by revised committee in 2021 with key Institute Leaders, Faculty representatives, Industry Expert, Academic Expert from leading institution and Alumni. The team meets frequently for the growth of the Institution and strategic points are also discussed in Governing Body. The outcome of 2016-2021 plan is analyzed and the targets are set for 2021-2016. Planning and Monitoring Committee meetings are conducted regularly and the points are discussed and action taken is initiated to achieve the target set. In the reference, constitution of strategic planning committee, outcome of 2016-2021 plan, 2021-2026 strategic plan meeting dates, meeting minutes, the committee targets, strategy and expected outcome are attached.

File Description	Documents
Strategic Plan and deployment documents on the website	<a href="#">View File</a>
Paste link for additional information	<a href="https://nandhaengg.org/wp-content/uploads/2024/01/Strategic-plan.pdf">https://nandhaengg.org/wp-content/uploads/2024/01/Strategic-plan.pdf</a>
Upload any additional information	<a href="#">View File</a>

6.2.2 - The functioning of the various institutional bodies is effective and efficient as visible from the policies, administrative set-up, appointment and service rules, procedures, etc.

**Organization Structure:**The Institute functions by the power entrustment through the Head of the Institution in consultation with the Chairman of Governing Council and after the approval of Governing Council, the activities are planned accordingly.IQAC team plays a vital role to escalate and implement the decision making.Students and faculty members are involved in various levels of decision making and implementation of strategies.

**Governing Council:**

The annual Governing Council significantly influences academic decisions, administration, and institutional growth. It actively fosters a student-centric environment through outcome-based education, infrastructure enhancement, and continuous strategic plan monitoring.

**Statutory and Non- statutory Committees:** In addition to the Governing Council various statutory and non- statutory committees are actively involving in the activities which support the development of the college and students.

Heads of the department are responsible for the academic and administrative matters of the department. Placement and training team takes care the training and placement activities.

**Appointment and service rules:** The Heads and the interview panel shortlist the candidates through screening test, classroom demonstration and interview. The committee shortlisted the candidates and submit their recommendation to the principal.

File Description	Documents
Paste link to Organogram on the institution webpage	<a href="https://nandhaengg.org/wp-content/uploads/2024/01/Institution-organogram-1.pdf">https://nandhaengg.org/wp-content/uploads/2024/01/Institution-organogram-1.pdf</a>
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://nandhaengg.org/6-2-2-functioning-of-the-institutional-bodies-2-3/">https://nandhaengg.org/6-2-2-functioning-of-the-institutional-bodies-2-3/</a>

**6.2.3 - Implementation of e-governance in areas of operation: Administration Finance and Accounts Student Admission and Support Examination**

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Documen	<a href="#">View File</a>
Screen shots of user interfaces	<a href="#">View File</a>
Details of implementation of e-governance in areas of operation	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non-teaching staff and avenues for their career development/ progression

The institution provides financial benefits for technical publications for teaching staff for their growth in professional career:

1. Faculty is encouraged to attend conferences / workshops / Faculty Development Programmes and training programmes.
2. Sponsorships to attend training programmes and present papers in conferences.
3. To enhance the faculty skill set several Faculty development programs (FDP) are also organized.
4. Internet and free Wi-Fi facilities are available in campus for staff.

#### General Facilities

1. sports, gym, and yoga facilities
2. ATM facility.

#### Leave Benefits

##### Type

##### Teaching

##### Non-Teaching

##### Casual Leave

12 Days / year

##### Medical Leave

10 Days /year

Vacation

Winter - 2 Weeks Summer - 4 Weeks

Winter - 1 Week Summer - 1 Week

Examination On Duty

12 Days / year

Higher Study OD

12 days / Year

Permissions

2 one hourper month

Other Benefits

1. GroupInsurance
2. Emergency advance
3. Sponsorship for Higher Studies - Ph.D. Full Time / Part Time,PDF,Seminar / Paper presentation / Conference -in India & Abroad,quality improvement and faculty developmentprogramme
4. Revenue sharing by staff in consultancy / testing (60:40 and80:20)
5. Free Lodging facility to staff members who are staying inhostels
6. Fee concession for faculty wards in Nandha Institutions.
7. Freetransportation

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://nandhaengg.org/6-3-1-welfare-measures-for-teaching-and-non-teaching-staff-2-3/">https://nandhaengg.org/6-3-1-welfare-measures-for-teaching-and-non-teaching-staff-2-3/</a>

**6.3.2 - Number of teachers provided with financial support to attend conferences / workshops and towards payment of membership fee of professional bodies during the year**

113

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	<a href="#">View File</a>

### 6.3.3 - Number of professional development / administrative training programmes organized by the Institution for its teaching and non-teaching staff during the year

25

File Description	Documents
Reports of the Human Resource Development Centres (UGC HRDC/ASC or other relevant centres)	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

### 6.3.4 - Number of teachers who have undergone online/ face-to-face Faculty Development Programmes during the year: (Professional Development Programmes, Orientation / Induction Programmes, Refresher Courses, Short-Term Course, etc.)

159

File Description	Documents
Summary of the IQAC report	<a href="#">View File</a>
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

## 6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly

### Internal Auditing & External Auditing Procedure :

The internal audit is conducted twice a year , to ensure the accuracy of bills and vouchers. The audit team meticulously examines the income and expenditure bills and vouchers of the recurring and

non-recurring expenses. The compliance report of internal audit is submitted to the management of the institution through Principal. If any discrepancy is found, the same is brought to the notice of the Principal to redress it. The management team examines the audit report. The accounts department audits and approves the disbursement statements before they are submitted to the Principal.

The Chartered Accountant ensures that all payments are duly authorized after the audit and the report is sent to the management for review. Any queries, in the process of audit would be attended immediately along with the supporting documents. Finally, the audit statement and balance sheet will be prepared by the chartered accountant for the institute to provide transparency at all levels. The institution had not come across with any major audit objection during the preceding years. The audited statement is duly signed by the authorities of the management and chartered accountant.

**Additional Information : Internal audit report & Audit Statement**

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://nandhaengg.org/wp-content/uploads/2023/12/internal-audit-report.pdf">https://nandhaengg.org/wp-content/uploads/2023/12/internal-audit-report.pdf</a>

#### **6.4.2 - Funds / Grants received from non-government bodies, individuals, and philanthropists during the year (not covered in Criterion III and V) (INR in lakhs)**

**1.07**

File Description	Documents
Annual statements of accounts	<a href="#">View File</a>
Details of funds / grants received from non-government bodies, individuals, philanthropists during the year	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

#### **6.4.3 - Institutional strategies for mobilisation of funds and the optimal utilisation of resources**

##### **Mobilisation of Funds:**

The Institution is poised to grow and make its mark in global scenario by providing requisite funds and optimal use of resources. Financial resources are mobilized by fee collected from the students and also generates funds from projects sponsored by government agencies and consultancy services. The fund is also mobilised through the alumni, placement fee, bus fee, book fee, exam fee, hostel fee and other miscellaneous charges.

#### Optimal utilisation of funds:

A constructive financial resource monitoring is done through the following procedures.

Before the commencement of every financial year, all the heads of the department instruct the concerned in-charges to provide the budget required for the upcoming academic year. The in-charges concerned provide both recurring and non-recurring expenses. The Head of the Institution submits a budget proposal that incorporates the above recommendations of all department heads within the Institution, to the management after getting approval from the finance committee of an organisation. The allocated funds are utilized properly as per the academic requirements.

**Additional Information : Budget proposed and Approved & Finance Committee**

#### Audit statement

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://nandhaengg.org/wp-content/uploads/2023/12/finance-committee.pdf">https://nandhaengg.org/wp-content/uploads/2023/12/finance-committee.pdf</a>

### 6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing quality assurance strategies and processes visible in terms of incremental improvements made during the preceding year with regard to quality (in case of the First Cycle): Incremental improvements made during the preceding year with regard to quality and post-accreditation quality initiatives (Second and

subsequent cycles)

#### IQAC:

The IQAC is led by the Principal, the Chairman of IQAC and consists of the following members: Director, Coordinators, HODs, and Senior Faculty Members.

#### Post Accreditation Improvements:

Nandha Engineering College has been granted autonomous in the year 2013 and choice-based credit system is implemented from 2015 onwards. Outcome-Based Education is administered as per AICTENBA. The college has received NBA Accreditation under Tier-I for five UG programs: EEE, MECH, CSE, IT and ECE

#### Teaching -Learning & Assessment:

Student learning is assessed through Continuous Assessment Tests, Periodic Assignments, Quiz and an End of Semester Examination is administered through direct and indirect assessment tools. Consecutively to sustain the quality standards, each procedure is meticulously scrutinized through a wide-range of testing tools.

#### Improvements during 2022 - 23:

New programme (B.E - Computer Science and Engineering (Cyber Security) & B.E - Computer Science and Engineering (Internet of Things) are started during the academic year 2022-23.

#### Accreditation Quality Initiatives:

A strategy for the improvisation includes Research sharing and networking with other institutions in India and abroad. Plan to offer new programmes as per AICTE norms. Improvements in Centre of Excellence. Placement pay scale above 10 lakhs. Industry oriented curriculum MoU with premier institutions and industries.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://nandhaengg.org/6-5-1-contribution-of-igac-2-3/">https://nandhaengg.org/6-5-1-contribution-of-igac-2-3/</a>



6.5.2 - The institution reviews its teaching-learning process, structures and methodologies of operation and learning outcomes at periodic intervals through its IQAC as per norms

#### Committees for Quality Improvement:

Syllabus is an abstract or programme of knowledge. The Caliber of teaching can be procured only by means of interpreting the Syllabus. Periodical modification of curriculum enriches the Pedagogy. This process is monitored on continual basis by

Institutional Quality Assurance Cell (IQAC) through Programme Assessment Committee (PAC) and Department Advisory Board (DAB).

#### Academic Audit:

Academic audits are periodically conducted for course file. Course Outcome, attainment process are reviewed recurrently. In teaching Learning Process, The institution follows Choice Based Credit System (CBCS) and adopted the AICTE model Curriculum of 160 credits since 2018-19. The curriculum is designed by the faculty of the College following a lot of brainstorm sessions involving various stake holders including the current students undergoing the programme.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://nandhaengg.org/6-5-2-teaching-learning-process-2-3/">https://nandhaengg.org/6-5-2-teaching-learning-process-2-3/</a>

**6.5.3 - Quality assurance initiatives of the institution include Regular meeting of the IQAC Feedback collected, analysed and used for improvement of the institution Collaborative quality initiatives with other institution(s) Participation in NIRF Any other quality audit recognized by state, national or international agencies (such as ISO Certification)**

**A. Any 4 or all of the above**

File Description	Documents
Paste the web link of annual reports of the Institution	<a href="https://nandhaengg.org/6-5-3-quality-assurance-initiatives-of-the-institution-2-3/">https://nandhaengg.org/6-5-3-quality-assurance-initiatives-of-the-institution-2-3/</a>
Upload e-copies of accreditations and certification	<a href="#">View File</a>
Upload details of quality assurance initiatives of the institution	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

## INSTITUTIONAL VALUES AND BEST PRACTICES

### 7.1 - Institutional Values and Social Responsibilities

#### 7.1.1 - Measures initiated by the Institution for the promotion of gender equity during the year

Gender Sensitization is an important area to address gender justice and gender equality issues. The Institute also organizes various programs and events at regular intervals in order to spread awareness about gender sensitization.

In order to obtain the progressive awareness among students towards gender issues, awareness campaigns on gender sensitization are regularly organized for the students of the Institute. The core objective of gender sensitization program is to bring definite orientation in the thinking practices and approach of individuals concerning gender. Women Development Cell was established in the year 2012. The main role of Women Development Cell is to accentuate general well being of the girl students, teaching and non teaching women staff of Nandha Engineering College.

Mechanical department of Nandha Engineering College, along with National Commission for Women (AICTE) conducted a program that focused on the study of gender equality, women empowerment and existing laws relating to women.

International Women's Day being celebrated every year with the presence of chief guests from various fields like medicine, agriculture, advocate etc.,

Apart from that, a Counsellor has been appointed by the college for assessing the regular activities of the girls and to identify their problems and help them to settle down their issues. Periodically,

Counselling has also been given to all women faculty members mainly in the aspect of academic, career and behavioural patterns.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://nandhaengg.org/wp-content/uploads/2024/02/7.1.1.pdf">https://nandhaengg.org/wp-content/uploads/2024/02/7.1.1.pdf</a>

**7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation: Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power-efficient equipment**

A. Any 4 or All of the above

File Description	Documents
Geotagged Photographs	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

7.1.3 - Describe the facilities in the institution for the management of the following types of degradable and non-degradable waste (within a maximum of 200 words)

Nandha Engineering College believes in "Let's go green and keep our campus clean". The NSS unit of NEC has played a prominent role in this by organizing various awareness programs, conducting tree plantations and various other activities. Apart from these activities, the importance of waste management and methods of waste disposal mechanism is taught to students through courses such as Environmental Studies, Solid waste Management etc.

- To achieve a healthy and conducive environment in the campus, waste segregation is stringently followed by employing dry and wet waste bins throughout the campus. Dry waste generated is sent for recycling and wet waste from waste bins and canteen leftovers are composted in our very own compost pit.
- The paper waste generated is either sent for recycling or is used by the creative team of our college during college fests. The NSS volunteer collects all the unused ruled sheets

available on the campus to make notebooks and distributed to students and staff members

#### E-Waste Management

- Electronic goods are put to optimum use; the minor repairs are done by the Laboratory assistants but the major repairs are handled by the Technical Assistant and are reused. The equipment which cannot be refurbished is disassembled and segregated to send to recyclable units.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	<a href="#">View File</a>
Geotagged photographs of the facilities	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

**7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus**

A. Any 4 or all of the above

File Description	Documents
Geotagged photographs / videos of the facilities	<a href="#">View File</a>
Any other relevant information	No File Uploaded

**7.1.5 - Green campus initiatives include**

**7.1.5.1 - The institutional initiatives for greening the campus are as follows:**

1. Restricted entry of automobiles
2. Use of bicycles/ Battery-powered vehicles
3. Pedestrian-friendly pathways
4. Ban on use of plastic
5. Landscaping

A. Any 4 or All of the above

File Description	Documents
Geotagged photos / videos of the facilities	<a href="#">View File</a>
Various policy documents / decisions circulated for implementation	<a href="#">View File</a>
Any other relevant documents	<a href="#">View File</a>

### 7.1.6 - Quality audits on environment and energy undertaken by the institution

<p><b>7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following:</b></p> <ol style="list-style-type: none"> <li><b>1. Green audit</b></li> <li><b>2. Energy audit</b></li> <li><b>3.Environment audit</b></li> <li><b>4.Clean and green campus recognitions/awards</b></li> <li><b>5.Beyond the campus environmental promotional activities</b></li> </ol>	<p><b>A. Any 4 or all of the above</b></p>
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File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	<a href="#">View File</a>
Certification by the auditing agency	<a href="#">View File</a>
Certificates of the awards received	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

<p><b>7.1.7 - The Institution has a disabled-friendly and barrier-free environment: Ramps/lifts for easy access to classrooms and centres Disabled-friendly washrooms Signage including tactile path lights, display boards and signposts Assistive technology and facilities for persons with disabilities: accessible website, screen-reading software, mechanized equipment, etc. Provision for enquiry and information: Human assistance, reader, scribe, soft copies of</b></p>	<p><b>A. Any 4 or all of the above</b></p>
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**reading materials, screen reading, etc.**

File Description	Documents
Geotagged photographs / videos of facilities	<a href="#">View File</a>
Policy documents and brochures on the support to be provided	<a href="#">View File</a>
Details of the software procured for providing assistance	<a href="#">View File</a>
Any other relevant information	No File Uploaded

7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e. tolerance and harmony towards cultural, regional, linguistic, communal, socio-economic and other diversities (within a maximum of 200 words).

The Institution provides an inclusive environment for everyone by advocating tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities. Various activities like Annual day, Women's day, Unity day, Science day, Yoga, etc are organized to promote an inclusive environment. Further Socioeconomic awareness programs like Youth awakening day, Helmet awareness for public, Book day rally, Blood donor camp and various rallies are organized to the general public which in turn inculcate the students with some responsibilities within them. Religious festival like Onam is celebrated inside campus and Diwali is celebrated with orphanage children and the funds raised from the college are being donated to orphanages. A variety of clubs like NSS, Road Safety, YRC, Tree plantation, etc are included in the curriculum under Personality and Character Development (PCD) course so that every student must indulge in any one activity for each semester. Clubs are added to curriculum and are functioning under the PCD.

Equal opportunities are provided to the students in various activities conducted throughout their course of study irrespective of their caste, creed, and religion. The clubs are included in the syllabus with the motto of inculcating the sense of unity, discipline and harmony. Regular visits are arranged to Orphanages and Homes for Aged to strengthen values of love and compassion. To enable the students to work across the world, the other foreign languages like German, Japanese and Hindi have been taught in the campus for our students

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	<a href="#">View File</a>

7.1.9 - Sensitization of students and employees of the institution to constitutional obligations: values, rights, duties and responsibilities of citizens:

Nandha Engineering College organizes various events to sensitize students and employees of the Institution to the Constitutional Obligations: Values, Rights, Duties and Responsibilities of citizen. The value of Human was realized more specifically during pandemic period and it became essential to create awareness about corona virus, and as an initiation social cause pamphlets were created and uploaded in social media. The Institution believes in providing holistic all round education to the students. Sensitizing students on the constitutional rights, values, duties and responsibilities of primary education have been given in the institute through various means.

Sensitization of students and employees of the Institution to the constitutional obligations is done through curriculum as well as through extra-curricular activities. In curriculum, the subjects which sensitize the students about the constitutional obligations are Essence of Indian traditional knowledge and Also, Constitutions of India, etc. Further a course on Environmental Studies is being offered to give insight into environment acts, wildlife protection act, forest act and global environmental concerns.

Besides, many regular programs are conducted in the Institution to educate women about their rights. Also seminars and workshops are conducted on days of national importance on various rights, duties and responsibilities of citizens. NSS unit of the institution conducts a cleanliness drive to mark the occasion of Swachh Bharat Abhiyan in the nearby village areas. An oath is being taken by all students and faculties to keep their surroundings clean.

File Description	Documents
Details of activities that inculcate values necessary to transform students into responsible citizens	<a href="#">View File</a>
Any other relevant information	No File Uploaded

<p><b>7.1.10 - The institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic sensitization programmes in this regard: The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff Annual awareness programmes on the Code of Conduct are organized</b></p>	<p><b>A. All of the above</b></p>
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File Description	Documents
Code of Ethics - policy document	<a href="#">View File</a>
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programmes, etc. in support of the claims	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals

At Nandha Engineering College, all national festivals are celebrated with great enthusiasm to inculcate a sense of patriotism in the students. Every year students come together and perform cultural programs like dance, skits highlighting societal problems. The students also prepare videos and speeches to share their thoughts on these days. Every year legal awareness programmes are organized to educate students to know about the fundamental rights and duties. National unity day is such event which has been celebrated every year. The day is celebrated to mark the birth anniversary of Sardar Vallabhai Patel. During National Youth day, all the participants are taking oath every year. National flags are distributed to faculty, staff and students to instil sense of pride amongst them.

Independence and Republic are celebrated every year and the students have been participating in various events depicting the different cultures of our country. Engineers' day is being celebrated every year and the departments are conducting various technical events like seminars and symposiums. To inculcate the importance of Yoga



among Yoga, International Yoga day is celebrated and faculty and students are performed Yoga and meditation. Women's day is celebrated on International Women's day i.e. March 8 to show respect towards women in all the efforts taken by them to manage the personal and professional life and for their contributions. In this regard, an Award named "Kalki Award "is awarded to women for significant achievement in their field.

File Description	Documents
Annual report of the celebrations and commemorative events for during the year	<a href="#">View File</a>
Geotagged photographs of some of the events	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

## 7.2 - Best Practices

7.2.1 - Provide the weblink on the Institutional website regarding the Best practices as per the prescribed format of NAAC

### Best Practice-I- Project Based Learning

Project-Based Learning aims to create a dynamic, student-centered learning environment that fosters critical thinking, collaboration, practical skills, entrepreneurship skills and preparing students for success in both academic and professional pursuits. It enhances the learning experience and prepares the students to face the complexities in their career. It ignites intrinsic motivation as students often find PBL more engaging and interesting. The autonomy and creativity involved in project work enhance students' passion for learning. PBL often involves the integration of various subjects and skills which in turn makes the students to gain knowledge on various disciplines. Moreover, PBL helps to demonstrate research competence by effectively gathering, evaluating, and synthesizing information from different sources. Through PBL, students are exposed to real-world problems which force them to develop the ability to generate new ideas and solutions, which is essential in the rapidly evolving world.

### Best Practice-II- Project Based Learning

Public speaking is one of the most important and most dreaded forms of communication. Communication is the backbone of our society. It allows us to form connections. Without communication skills, the

ability to progress in the working world and in life, itself, would be nearly impossible.

TED Nandha has been introduced in NEC. TED Nandha has an intention to cultivate the competitive spirit among the first year students and to provide individuals with a platform to convey their ideas, thoughts, and messages effectively.

File Description	Documents
Best practices in the Institutional website	<a href="https://nandhaengg.org/wp-content/uploads/2024/02/7.2-Best-Practice-I.pdf">https://nandhaengg.org/wp-content/uploads/2024/02/7.2-Best-Practice-I.pdf</a>
Any other relevant information	<a href="https://nandhaengg.org/wp-content/uploads/2024/02/7.2-Best-Practice-II.pdf">https://nandhaengg.org/wp-content/uploads/2024/02/7.2-Best-Practice-II.pdf</a>

### 7.3 - Institutional Distinctiveness

7.3.1 - Highlight the performance of the institution in an area distinct to its priority and thrust (within a maximum of 200 words)

In the fast-paced world, fostering innovation in students is vital for higher education institutions. By giving students the space to explore new ideas, institutions can stay ahead of industry trends. Organizing Innovation Day serves as a platform to celebrate and promote innovation within the academic environment. Innovation Day fosters creativity, prepares students for the future, and positions the institution as a hub for innovative thinking. Besides, it provides a structured and focused environment for students to brainstorm and generate new ideas. It often involves cross-functional collaboration, bringing together individuals from different institutions, leading to more comprehensive and well-rounded solutions.

Nandha Engineering College organizes a 3-day Innovation Day program every year with the prime motive of nurturing creativity, critical thinking, and innovation among students. The projects exhibited during the program serve as the foundation for future innovations. The incubation of ideas over time leads to the development of more refined and impactful solutions. The selected projects are turned into products that fulfill market expectations and achieve long-term success after meticulous planning and a customer-centric attitude. During Innovation Day'23, 217 projects were displayed by the students of Nandha Engineering College. Innovation Day offers a multitude of benefits that extend beyond the event itself. It

provides a platform to showcase their ideas and projects, boosting their confidence in presenting and defending their work.

File Description	Documents
Appropriate link in the institutional website	<a href="https://nandhaengg.org/wp-content/uploads/2024/02/Institution-Distinctiveness.pdf">https://nandhaengg.org/wp-content/uploads/2024/02/Institution-Distinctiveness.pdf</a>
Any other relevant information	<b>No File Uploaded</b>

### 7.3.2 - Plan of action for the next academic year

- All the eligible programs to apply for accreditation
- Encourage the students to carry out more industry projects, Internships and get practical exposure to recent technologies
- Conduct more programs related to higher studies and Entrepreneurship for Career development.
- Improve self learning of the students through NPTEL, Udemy and also industrial courses.
- Facilitate research workshops for quality publications in journals, Patent publications and research proposals