



YEARLY STATUS REPORT - 2022-2023

Part A

Data of the Institution

1.Name of the Institution

Dr. N.G.P. Institute of Technology

• Name of the Head of the institution Dr. S.U. Prabha

• Designation Principal

• Does the institution function from its own campus? Yes

• Phone No. of the Principal 04222369102

• Alternate phone No. 04222369105

• Mobile No. (Principal) 8754955886

• Registered e-mail ID (Principal) principal@drngpit.ac.in

• Address Dr.N.G.P. Nagar, Kalapatti Road

• City/Town Coimbatore

• State/UT Tamil Nadu

• Pin Code 641048

2.Institutional status

• Autonomous Status (Provide the date of conferment of Autonomy) 16/08/2022

• Type of Institution Co-education

• Location Urban

- Financial Status **Self-financing**
- Name of the IQAC Co-ordinator/Director **Dr. P. Sampath**
- Phone No. **04222369145**
- Mobile No: **9443003507**
- IQAC e-mail ID **iqac@drngpit.ac.in**

3. Website address (Web link of the AQAR (Previous Academic Year)) <https://www.drngpit.ac.in/naac>

4. Was the Academic Calendar prepared for that year? **Yes**

- if yes, whether it is uploaded in the Institutional website Web link: <https://www.drngpit.ac.in/naac>

5. Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	B	2.81	2015	03/03/2015	02/03/2020
Cycle 2	A+	3.36	2021	15/02/2021	14/02/2026

6. Date of Establishment of IQAC **14/02/2015**

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.)?

Institution/ Department/Faculty/School	Scheme	Funding Agency	Year of Award with Duration	Amount
Institution	Scientific and Industrial Research Organization	Department of Scientific and Industrial Research	01/03/2023	0

8. Provide details regarding the composition of the IQAC:

- Upload the latest notification regarding the [View File](#)

composition of the IQAC by the HEI

9.No. of IQAC meetings held during the year **4**

- Were the minutes of IQAC meeting(s) and compliance to the decisions taken uploaded on the institutional website? **Yes**

- If No, please upload the minutes of the meeting(s) and Action Taken Report No File Uploaded

10.Did IQAC receive funding from any funding agency to support its activities during the year? **No**

- If yes, mention the amount

11.Significant contributions made by IQAC during the current year (maximum five bullets)

Academic Audits are conducted periodically for all courses in all the Programmes offered after every Internal Tests

Participated in Rankings and Surveys

Conducted faculty induction programme and orientation workshops for faculty members

Dissemination of Regulations to all the faculty members

Assessment pattern for evaluation of Theory courses, Laboratory Courses, Theory with Laboratory Courses and other courses were disseminated to all the faculty members

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:

Plan of Action	Achievements/Outcomes
To frame the syllabus for the courses in Regulations 2022 for UG and PG Programmes	Syllabi for the courses under Professional Core Courses, Open Electives, One Credit Courses were framed and approved by the respective Boards of Studies and Academic Council.
To have more Collaborations with industries and institutes	21 MoUs have been signed with Industries
Orientation Programmes to be conducted for the newly joined faculty members	Faculty Orientation programme was conducted for newly joined faculty members. Also workshop on Question Paper setting was conducted for all the faculty members.
Motivate the faculty members to carry out their research activities like publish the research paper in the reputed journals, publication of books, chapters and conference proceedings, etc.	158 Papers published in Journal and 9 book/book chapters/ conference proceedings published 57 Patents filed/published by faculty members 155 research papers presented in conferences.

13. Was the AQAR placed before the statutory body? Yes

- Name of the statutory body

Name of the statutory body	Date of meeting(s)
Academic Council	15/12/2023

14. Was the institutional data submitted to AISHE ? Yes

- Year

Part A

Data of the Institution

1.Name of the Institution	Dr. N.G.P. Institute of Technology
• Name of the Head of the institution	Dr. S.U. Prabha
• Designation	Principal
• Does the institution function from its own campus?	Yes
• Phone No. of the Principal	04222369102
• Alternate phone No.	04222369105
• Mobile No. (Principal)	8754955886
• Registered e-mail ID (Principal)	principal@drngpit.ac.in
• Address	Dr.N.G.P. Nagar, Kalapatti Road
• City/Town	Coimbatore
• State/UT	Tamil Nadu
• Pin Code	641048
2.Institutional status	
• Autonomous Status (Provide the date of conferment of Autonomy)	16/08/2022
• Type of Institution	Co-education
• Location	Urban
• Financial Status	Self-financing
• Name of the IQAC Co-ordinator/Director	Dr. P. Sampath

• Phone No.	04222369145				
• Mobile No:	9443003507				
• IQAC e-mail ID	iqac@drngpit.ac.in				
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Cycle 2	A+	3.36	2021	15/02/2021	14/02/2026
6.Date of Establishment of IQAC			14/02/2015		
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• Upload the latest notification regarding the composition of the IQAC by the HEI	View File				
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<ul style="list-style-type: none"> If No, please upload the minutes of the meeting(s) and Action Taken Report 	No File Uploaded	
10. Did IQAC receive funding from any funding agency to support its activities during the year?	No	
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11. Significant contributions made by IQAC during the current year (maximum five bullets)		
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Participated in Rankings and Surveys		
Conducted faculty induction programme and orientation workshops for faculty members		
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<ul style="list-style-type: none"> Name of the statutory body 	
Name of the statutory body	Date of meeting(s)
Academic Council	15/12/2023
14. Was the institutional data submitted to AISHE ?	Yes
<ul style="list-style-type: none"> Year 	
Year	Date of Submission
2023	13/01/2023

15.Multidisciplinary / interdisciplinary

In the Institution, new Under Graduate Programme B.Tech. Computer Science and Business Systems is introduced from the Academic year 2022-2023. The Institution has been conferred with Autonomous status from the Academic Year 2022-2023. The Curriculum has been planned to offer Minor/Specializations as recommended by AICTE in the domains of Robotics and Automation, Electric Vehicle Technology, Blockchain and Internet of Things. Open Electives courses for 9 credits are offered to the students of all the UG Programmes and 3 credits for PG programmes to encourage the interdisciplinary approach and culture among the students.

The humanities and science concepts are integrated into the Curriculum in courses like STEM Projects and Mini project. Also, students develop prototypes of their project with the seed money provided by the institution and through funded projects through TNSCST, IEEE, IE(I), etc. Being Autonomous Institution from the Academic Year 2022-2023, the students do the STEM Project in the First year, Mini projects in their 2nd and 3rd year of study, and Project Work in the Final year as per the Curriculum under Regulations 2022. Courses like Environmental Science, Industrial safety, Biology for Engineers, Design Thinking, Communicative English, Technical English, Heritage of Tamils, Tamils and Technology are introduced as integral part of the Curriculum.

The Institution is offering the courses under Choice Based Credit System (CBCS) where the students choose the course in the beginning of the semester. Also, advanced learners choose one course in addition to the existing courses in the sixth and seventh semesters and will do only project work in their eighth semester. Project work is carried out in Industry as well as in the Institution during the eighth semester. Students develop Projects that cater to the needs of the Society like Drone for pesticide spraying, drones for fire extinguishing, wind energy system etc. Value added courses are being offered to all the students by Industry person and the duration of each course is minimum of 30 Hours. In these courses, the students are given hands on training in the cutting-edge technologies in industry. The students go to field visits to get themselves educated on societal needs and will be able to design & develop systems to solve the problems. Also, the students service to the society through Unnat Bharat Abhiyan, NSS and Uyir Club.

The Curriculum under the regulations 2022 is framed such that there are three open electives each of 3 credits which the

students have flexibility to opt from other programmes in their third, fourth and fifth semesters of study. Courses like PCB Design and Manufacturing, Nano Electronics, Renewable energy, Electric Vehicle Technology, Cloud Computing, 3D Printing Technology, Ergonomics, Product Design and Development, Disaster Management, Medical Electronics, Hospital Waste Management, Geographical Information System, Smart Materials and Smart Structures, etc. are offered as Open Elective courses in various Programmes offered by the Institution. This promotes the students to learn multidisciplinary courses. Conferences, seminars, workshops, and Hackathons are conducted in the institution to encourage interdisciplinary and multi-disciplinary approach where in the students enhance and maintain the rigor of learning through problem-solving, coding and out of the box thinking and lateral thinking.

The strategic plan of the Institution is prepared in order to engage the faculty and students engage in multidisciplinary research activities. Faculty members of two or more departments design and develop products, present their ideas in Conferences, and publish papers in the journals. The faculty members along with the students develop solutions for the pressing issues and challenge faced by the society like climate changes, optimum use of renewable energy and sustainable green environment. Also students from different programmes form team and participate in Hackathons to find solutions to the Society's pressing issues and challenges. Two teams of the Institution have won first prize, one team at BITS Ranchi and other team at Sri Eswar College of Engineering Coimbatore.

Students from two or more departments work in the industry powered centers established in the institution that foster the learner responsibility to develop multidisciplinary/ interdisciplinary projects and products for competitions like Hackathons, e-yantra Robotics competition etc. The students practice group discussions, active learning, learning by doing, modeling, in the labs to develop solutions for the societal needs. In the Institution, Peer Enablement Programme is being conducted in all the departments every week, where all the faculty members discuss with their peers on the latest developments in their domain and on the needs of the society relevant to their domain.

16.Academic bank of credits (ABC):

The ERP system in the Institution facilitates the data capturing

of credits earned by the individual students every semester and is ready for transfer of credits into Academic Bank. The Institution has expressed the willingness to be a part of National Academic Depository to the Affiliating University, which is the essential step towards ABC.

The Institution has signed MoUs with Foreign Universities for research collaboration, Faculty knowledge sharing programmes and student Internships programmes.

1. Universiti Teknologi PETRONAS, Malaysia
2. Florida Atlantic University, USA
3. Wayne State University, USA
4. Lincoln University College, Malaysia
5. University Wisconsin La-Crosse, USA
6. SEGi University College, Malaysia

are the Universities with which the above Collaborations are in place.

The faculty members prepare the lesson plan in the beginning of the semester as per the format specified by the Institution. The lesson plan comprising of the methods and modes of course delivery in the classroom, lesson plan, number of hours required for each topic, assessment plan, assessment schedule, topics for the assessments, modes of assignments, etc. are prepared and audited before the beginning of the course.

In the regulations 2022, the students have the option of advancing the Professional elective courses offered in the seventh semester as SWAYAM NPTEL online courses of 3 credits, 3-one credit courses, one course each in fifth & sixth semester. This enables the students to do carry out the project for one full year in the R&D labs and industry.

This practice pertains the institution to have a step forward in the implementation of NEP 2020.

17.Skill development:

In order to enhance the soft and hard skills of the students, skill based courses are introduced from I semester onwards.

1. Soft skills are enhanced through Communicative English and Technical English courses in the first and second semesters respectively. In addition, courses on Integrated Aptitude

skills are offered in the second and third year of study for the students.

2. Hard skills are enhanced by offering more one-credit courses, value added courses and internships to the students. These courses are handled by Industry persons.
3. Participative learning, Problem solving, Experiential learning - related courses are offered from the first year itself.
4. Skill development activities are conducted through the Student Council, Professional Societies, and clubs for improving skills related to team work.

The Institution being affiliated to Anna University-Chennai, does not offer degree programmes in Vocational education. However, Value added courses; industry driven courses (one credit courses) are offered to the students. I year orientation programme is conducted for the students admitted in the Institution for them to get accustomed to the new environment. During this programme, the UHV certified faculty members inculcate positivity in the students by handling sessions on Harmony and nature, Harmony in existence, Harmony in family, and Harmony in society. The curriculum comprises of course like Professional Ethics-I, Professional Ethics-II, Liberal Arts like Positive Psychology, UHV, Indian Constitution, etc., to inculcate values amongst the students. Also the students regularly do Yoga practice mandatorily for one hour in a week.

Mandatory one credit course and Mandatory noncredit courses are offered as per the Curriculum across all Programmes that all students take before graduating.

All the departments are having Industry Veterans taking part in Industry Advisory Board, Board of Studies, etc. Industry persons frame the syllabus for the one credit courses and are offered to the students. Also, value added course are offered by the industry people with hands-on experience for the students in the institution and in the industry. Every department is also having provision of adjunct faculty from industries and Professor of Practice.

Students are motivated to do the SWAYAM online course through NPTEL and many students have successfully completed the courses. Also, faculty members also do the courses in their domain of interest for their continuous knowledge enhancement.

Through MHRD-IIC of the Institution entrepreneurial activities

are conducted for the students to get certifications and map the skills acquired to their learning. This enables the students to have their own start-ups.

The students are at liberty to do more courses through online via NPTEL, Courseera, Udemey etc. in addition to their regular courses. The students showcase their skills by participating in technical events inside and outside the institution.

Hackathons, project competitions and poster presentations are conducted in the institution regularly for improving the skills of the students. The institution participates in the schemes announced by the State Government like Naan Mudhalvan, Learnathon, Toyathon, Naalai Thiran, etc. The faculty members are trained through "Train the Trainer" mode. The trained faculty members coordinate the students to participate and expose their talents. The institute has also signed MoU with NASSCOM for skill development of the students.

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

Courses like Liberal arts are offered to the students to preserve and promote Indian languages, traditional knowledge, Indian arts, culture and traditions. As a part of Liberal Arts, courses like Personal Finance, Indian Constitution, Arivial Tamil etc. are offered to the students.

Faculty members refer to books in the Library, online resources and get the information about the Equivalent Tamil words for the technical terms and deliver the same in the class. The student being heterogeneous and few students are from Tamil medium background it would be helpful for them to understand the concepts easily.

The degree programmes are not offered in Indian Languages. However, As per the recommendations of Anna University, two courses namely Heritage of Tamils and Tamils &Technology are offered in all the UG programmes to preserve and promote the Indian languages and Indian ancient traditional knowledge.

Courses on Liberal arts are offered to promote Indian arts. Festivals and events are organized in the institution to promote the Indian culture traditions.

Mandatory non credit courses like Industrial safety, Environmental Science are also offered to address the Sustainability Development Goals (SDG).

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

The Institution introduced Outcome Based Education (OBE) and Choice Based Credit System (CBCS) in 2017. The courses of all the programmes are categorised into Humanities and Social Sciences (HS), Basic Sciences (BS), Basic Engineering Sciences (ES), Professional Core (PC), Professional Electives (PE), Open Electives (OE), Project Work and Mandatory non-credit courses.

Programme Educational Objectives (PEOs), Programme Outcomes (POs - also known as Graduate Attributes), Programme Specific Outcomes (PSO) are framed, considering the NBA guidelines and the local & global needs. The course outcomes (CO's) are designed to align with the PO's, PSO's and PEO's. Accordingly, every student learns to demonstrate the Knowledge, skills and attitude with concepts at the end of every course. The Question papers are formulated using Bloom's Taxonomy knowledge levels and action verbs to assess the attainment of Course Outcomes.

The marks obtained by the students in the Internal tests, assignments, Multiple Choice Questions and End Semester Examinations are captured question wise in the Software. The target fixed at the beginning of the semester is evaluated at the end of every semester after the results are published through the software.

Questions of higher order thinking are asked in the assessments to assess the skills of the students. Open Elective courses are offered to the students to gain knowledge in multidisciplinary fields. One credit courses and value added courses are offered by industry person to the students to acquire knowledge of latest developments in the diversified fields of engineering and technology.

20.Distance education/online education:

Dr.N.G.P. Institute of Technology, as an autonomous institution, affiliated to Anna University Chennai, is not eligible to offer distance education and online education. Currently Students attend SWAYAM - NPTEL Courses and the students may waive one Professional elective/ open elective. The credit earned through

NPTEL exams is considered for grading (CGPA calculation). Also, students are encouraged to enroll for online courses through Courseera, Udemy etc.

Online video lectures, Power Point Presentations, and other software tools specific to the courses are used in the classroom and laboratory for teaching learning activities.

Students and faculty members of the institution register for the SWAYAM NPTEL courses and complete it successfully as a part of online education as per NEP 2020. Onramp courses in Matlab are also completed to enhance the technical knowledge. Also, students are encouraged to enroll for online courses through Courseera, Udemy etc.

Extended Profile

1.Programme

1.1

14

Number of programmes offered during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

2.Student

2.1

2515

Total number of students during the year:

File Description	Documents
Institutional data in Prescribed format	View File

2.2

643

Number of outgoing / final year students during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

2.3

2515

Number of students who appeared for the examinations conducted by the institution during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File
3.Academic	
3.1 Number of courses in all programmes during the year:	413
File Description	Documents
Institutional Data in Prescribed Format	View File
3.2 Number of full-time teachers during the year:	182
File Description	Documents
Institutional Data in Prescribed Format	View File
3.3 Number of sanctioned posts for the year:	182
4.Institution	
4.1 Number of seats earmarked for reserved categories as per GOI/State Government during the year:	726
4.2 Total number of Classrooms and Seminar halls	82
4.3 Total number of computers on campus for academic purposes	1447
4.4 Total expenditure, excluding salary, during the year (INR in Lakhs):	1110.46
Part B	
CURRICULAR ASPECTS	

1.1 - Curriculum Design and Development

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.

The Institution being Autonomous from the Academic Year 2022-2023, the Regulations 2022 is framed as per the guidelines of Anna University and AICTE. The Institute has the systematic procedure for development, revision and implementation of curriculum of all the Programmes through Board of Studies of the Departments and Academic Council of the Institution. The Curriculum development and implementation is monitored by the Office of Autonomy Affairs. The curriculum is designed carefully by addressing the recent technologies and the opportunities existing in regional and global level with all necessary fundamental core courses, Theory imbued with Laboratory courses and Laboratory courses. Courses addressing the Indian Knowledge System are introduced as per NEP 2020.

Factors for Curriculum Design:

The Curriculum is designed to ensure that the students have the required domain knowledge, skills and attitude.

The factors considered for design of curriculum are:

1. Syllabus of various reputed Indian and International Universities
2. Model curriculum prescribed by AICTE,
3. The Program Specific Outcomes of professional bodies,
4. Suggestions by Academia, Industry experts and Alumni,
5. Syllabi of various competitive exams like GATE, UPSC, etc.

File Description	Documents
Upload additional information, if any	View File
Link for additional information	Nil

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

13

File Description	Documents
Minutes of relevant Academic Council/BOS meeting	View File
Details of syllabus revision during the year	View File
Any additional information	View File

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

194

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

1.2 - Academic Flexibility

1.2.1 - Number of new courses introduced across all programmes offered during the year

233

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	View File
Institutional data in prescribed format (Data Template)	View File

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

14

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	View File
List of Add on /Certificate programs (Data Template)	View File

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

Cross cutting issues relevant to gender, environment science, human values and professional ethics are integrated in the curriculum of the programs offered by the institution. 62 courses are offered across various programmes to address these cross-cutting issues. Students are sensitized to issues related to gender discrimination, environmental change, human rights through talks in forums, campaigns and village adoption. Faculty members create awareness on these issues during their interactions with students. Club activities also promote exchange of ideas and awareness of social responsibility.

Gender:

The Gender Equity Cell (GEC) was established in the year 2016, provides equal opportunities to both the genders in terms of admissions, activities, representation, leadership, trainings, employment. All the students receive equal attention in class rooms, labs, allocation of projects, leadership roles in department and Institution student's forums.

Women Development Cell (WDC) has been established in our institution since 2007. WDC and IEEE Women in engineering affinity group initiates in organizing the seminars/lectures by inviting the specialist/eminent personalities to focus on women empowerment and promoting leadership qualities in women. Each year, women's day is celebrated by inviting eminent speakers from various fields of prominence in the society. Also a Course on Introduction to Women and Gender Studies is studied by all III Year Students. Programs in association with Tamilnadu Women Conclave also conducted to empower the women. Programs regarding the Women Empowerment and safety are frequently organized.

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	View File
Any additional information	View File

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

11

File Description	Documents
List of value-added courses	View File
Brochure or any other document relating to value-added courses	View File
Any additional information	View File

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

567

File Description	Documents
List of students enrolled	View File
Any additional information	View File

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

1360

File Description	Documents
List of programmes and number of students undertaking field projects / internships / student projects	View File
Any additional information	View File

1.4 - Feedback System

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

A. All 4 of the above

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

File Description	Documents
Provide the URL for stakeholders' feedback report	https://docs.drngpit.ac.in/pdf/1.4.1%20Stakeholders%20feedback.pdf
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	View File
Any additional information	View File

1.4.2 - The feedback system of the Institution comprises the following

B. Feedback collected, analysed and action taken

File Description	Documents
Provide URL for stakeholders' feedback report	https://docs.drngpit.ac.in/pdf/1.4.1%20Stakeholders%20feedback.pdf
Any additional information	View File

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

759

File Description	Documents
Any additional information	View File
Institutional data in prescribed format	View File

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)

726

File Description	Documents
Any additional information	View File
Number of seats filled against seats reserved (Data Template)	View File

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.

Students of B.E./B.Tech. are admitted through single window system of Tamil Nadu Engineering Admissions (TNEA) based on their Higher Secondary Examination (HSC) marks. Every year the institution organizes Fresher's Meet and Induction Program for the students admitted to help them adjust to the new environment and inculcate in them the ethos of the institution.

The Institution assesses the knowledge and skills of the students before the commencement of the programme by conducting Entry Level Assessment Test covering language and soft skills. Based on the performance of students in the test, learning levels and communication skills of the students are identified. Every student, after admission would be put through a Bridge Course organized by the institution which reinforces the fundamental concepts and the required skills for technical education.

Slow Learners: Special classes are conducted after every Continuous Internal Assessment (CIA) to improve the academic performance of slow learners.

Advanced Learners: The students are continuously motivated by the course instructor to obtain high marks in end semester exam which results in university ranks.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
01/06/2023	2515	182

File Description	Documents
Upload any additional information	View File

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:

The Institution takes necessary measures to enhance the learning experience of the students through

Experiential Learning:

State of the art laboratories have been established for students to impart the experiential learning through Theory to Practice (T2P). The Institution has established various Industry Powered Centers and e-learning centers to improve their creative thinking in technical and research fields. Field visits are organized as an extension of theory beyond classroom teaching. Value added courses are offered by the industry person to the students to have experiential learning on the latest developments in the respective disciplines.

Participative Learning:

Institution in association with professional societies and chapters organize various activities like Hackathon, IEEE Xtreme programming competition, HENOSIS, Project expo. Institute in collaboration with IIT PALS, MHRD Institution Innovation council, FORGE to promote creativity and critical thinking among students through active participation in webinars, project competitions, residential training organized by them.

Problem Solving Methodologies:

Assignments in higher level of thinking are given to the students to break down ideas into simpler parts and find evidence to support self-learning abilities. Students are encouraged to find out the solutions for real time problems via case studies, Hackathon, and field/industrial projects. Field visits, In-plant trainings have been organized through IIPC to make the students acquaint with industry standards and work ethics.

Tutorial classes are being conducted for analytical courses in which modern pedagogical tools like group tutorial, collaborative

learning is practiced by the students for improving their problem-solving ability.

File Description	Documents
Upload any additional information	View File
Link for additional Information	Nil

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

ICT enabled campus and IP enabled library facilities provide the necessary support to student centric learning. Students engage in complex, challenging problems and collaboratively work towards a solution by connecting theoretical knowledge to real world problems. Teaching-learning is made more interesting and effective by the use of illustrations and demonstrations. Sophisticated equipment and software tools are available in all the respective department laboratories and in library.

With the support of Teaching Learning Centre (TLC), Innovative teaching learning methodologies and pedagogy tools adopted by faculty members to enhance the learning experiences are as follows:

- Lecture with demonstration in laboratories,
- models/charts animation
- field visit
- Simulation based trainings
- Collaborative learning
- Brain storming
- Role play
- Flipped classroom
- Think-pair share
- Problem/Project based learning

Institution has established e-learning facilities and resources like Swayam Prabha technology DTH channel, Center for Teaching Learning (TLC), EDUSAT, A-VIEW, VALUE Virtual Lab, IIT - B spoken tutorial, NPTEL, Learning Management System, e-books and e-journals, digital library to improve their creative thinking in technical and research fields.

Institution established industry powered centers like Center for

Robotics - eYantra, Texas Instruments Center, NI LabVIEW academy, CISCO networking academy, Cyber security center, CDAC IoT research lab, Mathworks Academy, Salzer innovation centre to train the students on emerging technologies. Students also do online certifications in various modules of the software available in these centers

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	https://docs.drngpit.ac.in/pdf/2.3.2%20facility%20for%20e-content%20creation.pdf
Upload any additional information	View File

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

2.3.3.1 - Number of mentors

130

File Description	Documents
Upload year-wise number of students enrolled and full-time teachers on roll	View File
Circulars with regard to assigning mentors to mentees	View File

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

Academic calendar and teaching plan is prepared by the IQAC in discussion with the Principal, Controller of Examinations and all Heads of the Departments. Academic Calendar comprises of all academic related activities and events.

Final copy prepared is approved by the Principal and it is circulated through the institution email ID for HoDs, Faculty members, Students and all cell coordinators and also uploaded in the Institute website. Teaching plan is prepared by the faculty members handling the courses and shared to the students after being audited. 50 % of the syllabus for all the courses will be completed during periodical test I and the remaining 50% of the syllabus will be covered within periodical test II. All activities are conducted by Faculty members / HoDs / Controller of Examinations as per the plan. Industry driven courses like one

credit courses will be conducted as per the availability of the experts. In rare situations, few scheduled activities are deviated due to unavoidable circumstances like natural calamities and declaration of holidays by the Government.

File Description	Documents
Upload the Academic Calendar and Teaching Plans during the year	View File

2.4 - Teacher Profile and Quality

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

182

File Description	Documents
Year-wise full-time teachers and sanctioned posts for the year	View File
List of the faculty members authenticated by the Head of HEI	View File
Any additional information	View File

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

88

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	View File
Any additional information	View File

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

855

File Description	Documents
List of teachers including their PAN, designation, Department and details of their experience	View File
Any additional information	View File

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

42

File Description	Documents
List of Programmes and the date of last semester-end / year-end examinations and the date of declaration of result	View File
Any additional information	View File

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

42

File Description	Documents
Upload the number of complaints and total number of students who appeared for exams during the year	View File
Upload any additional information	View File

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

- **Examination procedures**

Question Paper setting based on Higher Order Thinking Skills with assessment of RBT is in place from the Academic Year 2022-23. Relative grading system is practiced as per Anna University Guidelines. Scrutiny is done by experts from academia to ensure error-free Question Papers in the End semester examinations. Rainbow pattern Teslin Grade Sheets with more security features.

Transcripts services for higher education purposes through online.

- Processes/Procedures integrating IT

Entire examination processes are automated through in-house software from the Academic Year 2022-23.

- Continuous Internal Assessment System

The Question Papers are set by the subject handling faculty one week before the commencement of Internal Tests and are scrutinized by the course coordinator and the HoD. After the periodical tests, answer scripts are evaluated within 3 days and marks are entered in the software. Model examinations are conducted for the Laboratory courses.

The evaluation methods as mentioned in the regulations are followed for the theory, theory with lab component and laboratory courses.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	Nil

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

Vision, mission, and PEOs are published on the college website (www.drngpit.ac.in), department website (<http://www.drngpit.ac.in/bio-medical.php>), and also circulated to the students through Email and by uploading posters in the social networking sites (<http://fb.com/bmedidians>). Posted Location: Banner is exhibited in the main foyer of the Department ("A" Block - 3rd Floor). They are also prominently displayed on the Department notice boards, Laboratory notice boards, Cabin of all faculty members, HoD cabin, Department library, and Classrooms. Catalogs: Distributed to the students during admission and to the industries. Apart from this, the catalogs are disseminated to all the stakeholders of the program through faculty meetings, parent-teacher meetings, Alumni meets, Workshops, Seminars, conferences, FDP, Educational fairs, and also through electronic media.

Curricular Books and Department Publications: Vision and Mission are published in the Academic Calendar, Practical Observation, Record Note, Handbook, Faculty Logbook, Department Magazine, and Newsletter.

Process of dissemination among stakeholders

The statements of vision, mission, and PEOs are disseminated among stakeholders during admission, student awareness workshops, student induction programs, Parent-Teacher meetings, Alumni meets, department advisory board meetings, and other intradepartmental meetings.

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	View File
Upload any additional information	View File
Link for additional Information	Nil

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

I. Procedure for Calculation of CO attainment

In the department, the level of attainment by the students in the courses is evaluated after every assessment continuously in each semester through the Course Outcomes. To evaluate the Course Outcomes the data is collected through Direct Assessment and Indirect Assessment.

Direct Assessment:

The direct assessment is measured from internal assessment and external assessment. The internal assessment for each course is done based on:

- i. Formative assessment through Multiple choice Questions - Online mode, Viva questions, observation and record - Cycle marks and,
- ii. Summative Assessment through internal test, class test, assignment, tutorial, model exam, mini-project.

Indirect Assessment:

The indirect assessment is measured through course end survey.

II Procedure for Calculation of PO/PSO attainment PO attainment:

The direct assessment is measured from 80 % CO attainment and indirect assessment is measured from 20% of Graduate Exit survey. PSO attainment process: The direct assessment is measured from 80% CO attainment and indirect assessment is measured from 10% of alumni survey and 10 % of graduate exit survey.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	Nil

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

587

File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	View File
Upload any additional information	View File
Paste link for the annual report	Nil

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://docs.drngpit.ac.in/pdf/Student%20Satisfaction%20Survey.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 Institution has taken several initiatives to promote research activities, including the financial support to faculty for conducting research work (Seed Money), support to faculty, staff and students to communicate research work at various forums through travel grants and Registration fees for the Conferences.

The considerable amount of seed money is granted by the management every year to promote research activities such as inter-disciplinary research projects across departments, to develop and enhance the research capabilities based on research facilities and faculty resources, to provide adequate training to faculty and students to enhance their research performance, to develop the research infrastructure, to make foreign research collaborations with national / international laboratories / organizations, academic universities / institutions and industries, to organize the national and international events related to research and development, to promote the consultancy activities, to register the innovative / new ideas in the intellectual property rights (IPR), etc.

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	View File
Provide URL of policy document on promotion of research uploaded on the website	https://docs.drngpit.ac.in/pdf/3.1.1%20Faculty%20Research%20Promotion%20Policy.pdf
Any additional information	View File

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)

2.72

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

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

3

File Description	Documents
e-copies of the award letters of the teachers	View File
List of teachers and details of their international fellowship(s)	View File
Any additional information	View File

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)

0.955

File Description	Documents
e-copies of the grant award letters for research projects sponsored by non-governmental agencies/organizations	View File
List of projects and grant details	View File
Any additional information	View File

3.2.2 - Number of teachers having research projects during the year

8

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	Nil
List of research projects during the year	View File

3.2.3 - Number of teachers recognised as research guides

30

File Description	Documents
Upload copies of the letter of the university recognizing teachers as research guides	View File
Institutional data in Prescribed format	View File

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

6

File Description	Documents
Supporting document from Funding Agencies	View File
Paste link to funding agencies' website	https://www.drngpit.ac.in/research/funding_agencies/
Any additional information	View File

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.

The institute has innate tendency to foster the culture of innovation inside the campus through various clubs/cells/centers for the research community and academic fraternity. With the objective of innovation in mind a broad spectrum of initiative are implemented.

- IIPC to provide opportunities for the students and faculty through field visit, industrial trainings, Internships, projects, industry lecture series, seminars, MoUs.
- Institution Innovation Council (IIC) under MHRD innovation cell to nurture young professionals by exposing them to new ideas and processes resulting in innovative and entrepreneurial activities.
- Idea & Innovation Club under IIC to create awareness, educate, nurture and inculcate a culture of innovation aiming at idea and product innovation.
- IIT Pals, an initiative of IITAIIC (IIT Alumni Interaction Centre), Chennai to channel the resources available within the IIT alumni community across the corporate, academic and entrepreneurial domains.
- IPR cell to sensitize and create a conducive environment for protecting ideas and new innovations
- Centers of Excellence to serve as a competence delivery center and to address the current challenges in learning technology and implementation
- Association with KMCH Research Foundation (DSIR approved) to conduct meetings, conferences, symposium, health care camps, Non communicable diseases survey camps and projects in health care research to disseminate and acquire information.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

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

41

File Description	Documents
Report of the events	View File
List of workshops/seminars conducted during the year	View File
Any additional information	View File

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 through authenticated software

A. All of the above

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	View File
Any additional information	View File

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

78

File Description	Documents
URL to the research page on HEI website	https://www.drngpit.ac.in/research/
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	View File
Any additional information	View File

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

138

File Description	Documents
List of research papers by title, author, department, and year of publication	View File
Any additional information	View File

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

55

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://docs.drngpit.ac.in/pdf/CRITERIA-3/3.4.4%20-Book%20Chapters.pdf

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

1146

File Description	Documents
Any additional information	View File
Bibliometrics of the publications during the year	View File

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

47

File Description	Documents
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	View File
Any additional information	View File

3.5 - Consultancy

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

1.97

File Description	Documents
Audited statements of accounts indicating the revenue generated through consultancy and corporate training	View File
List of consultants and revenue generated by them	View File
Any additional information	View File

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

11.56 lakhs

File Description	Documents
Audited statements of accounts indicating the expenditure incurred on developing facilities and training teachers and staff for undertaking consultancy	View File
List of training programmes, teachers and staff trained for undertaking consultancy	View File
List of facilities and staff available for undertaking consultancy	View File
Any additional information	View File

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

The institute is taking various initiatives towards extension and outreach activities for the neighborhood community and motivates the student's social participation to understand the social issues with ethical values. A mission statement for inculcating these ethical standards through outreach programs is practiced. This is further incorporated into the curriculum.

The institute established 9 technical clubs and 11 non-technical clubs in which various extension and outreach activities like blood donation camp, SwachhBharat, UnnatBharatAbhiyan, tree sapling, hazards of plastic use, traffic rule awareness rally were organized for the benefits of the neighborhood community. Students and staff took part in various activities in collaboration with government and non-governmental bodies, industry and community like Mass Cleaning Campaign, Blood Donation camp and AIDS Awareness Rally.

The institute has adopted five villages under Unnat Bharat Abhiyan (UBA) namely Akkaraisengapalli, Palayur, Ganapathipudur, Kakkadavu, Jallipatti aiming at for transformational change in rural development processes to help build the architecture of an Inclusive India. The institute has conducted activities such as awareness camp, Swachhata Hi Sewa Campaign, customization of solutions and development of new technology for societal issues in each village.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

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

51

File Description	Documents
Number of awards for extension activities in during the year	View File
e-copy of the award letters	View File
Any additional information	View File

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)

27

File Description	Documents
Reports of the events organized	View File
Any additional information	View File

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

2515

File Description	Documents
Reports of the events	View File
Any additional information	View File

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

51

File Description	Documents
Copies of documents highlighting collaboration	View File
Any additional information	View File

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)

23

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

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.

The Institute has established policies and procedures to create the infrastructure on par with requisite standards and norms, by adhering to the rules and regulation of regulatory bodies like AICTE, Anna University, etc. which includes human resources (Faculty, Technical and Administrative staff), laboratory equipment, built-up place, and learning resources. The institute aims at creation and enhancement of sustainable infrastructural facilities that supplement the teaching learning process. As such it successfully conducts the programmes offered in undergraduate, postgraduate and research level. The college spans over 18.93 acres of sprawling and a serene green campus. The campus has well planned infrastructure comprising of 51 ICT enabled class rooms, 4 drawing halls, 11 tutorial halls and elective classroom, 46 laboratories, 12 industry powered centers, 14 seminar halls, 10 Board rooms, 2 Teaching Learning centre, department and IP enabled central libraries, conference centre, center for e-learning with resources like Swayam Prabha technology DTH channel, EDUSAT, A-VIEW, IIT - B spoken tutorial, NPTEL local chapter, Learning Management System and Center for Teaching Learning (CTL), e-books and e-journals, digital library to improve creative thinking and skills in technical and research fields;

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

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

To inculcate team spirit and leadership qualities among students, by encouraging the students to participate in various sports and games from inter-college level to national level with a qualified sports director. Sports facilities have been established for various games like cricket, football, basketball, and volleyball to ensure the focus of the institute in providing extra-curricular activities to the students.

Sports complex of the institution includes separate blocks (Sport Arena) for indoor games like Badminton, Table Tennis, Carrom and Chess. For outdoor games it has a Volleyball, Basketball, BallBadminton, Throw ball, Cricket, Football, Hockey, Tennicoit Court, Kho-Kho, Kabaddi grounds, 400m standard track - field (8 lane running track, Throwing events, Jumping events).

Gymnasium centre of the college has Treadmill, Cycling, Elliptical cross over machine, Leg press, Leg curl, Bench press, Leg extension, Shoulder press, Arm curl, Inner thigh press, Outer thigh press, Twister, Abdominal curl, Abdominal press, Chest press, Chest curl, Rowing machine, Weight plates 250Kg, Weight rod 2Kg and Dumbbell.

Regular cultural activities, on stage and off-stage events were conducted through music & dramatic club of the institution, the talents in Dancing, Singing, Instrumental music, Dumb Charades, Mime shows etc., are identified and encouraged to participate in various cultural activities inside and outside the college.

File Description	Documents
Geotagged pictures	View File
Upload any additional information	View File
Paste link for additional information	Nil

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

82

File Description	Documents
Upload any additional information	View File
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

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

280.74

File Description	Documents
Upload audited utilization statements	View File
Details of Expenditure, excluding salary, during the years	View File
Any additional information	View File

4.2 - Library as a Learning Resource

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

OPAC (Online Public Access Catalogue) facility is made available through CAMPESiLIB Library Management Software to search the bibliographical details about the collections. Three separate nodes are made available in the Central Library for OPAC facility.

The college has central library and nine department libraries. The reading room is well furnished to accommodate 250 students at a time and provides conducive environment for study. Exclusive reference section is available in the library. E-gate entry and exit is maintained for students and staff. New arrivals of books and journals are displayed on separate stands and racks.

Security of resources is ensured through a system of checking at the exit point for all resources borrowed by the users. CCTV cameras are fixed in the library for strict surveillance.

Electronic Resource Management package for e-journals:

The library subscribes IEEE All-Society Periodicals package,

ELSEVIER Science Direct package and DELNET through IP based access. A well-equipped Digital Library with 16 nodes having Internet connectivity is housed in the Central Library for accessing e-resources. As the access facility to e-journals is multi-user and IP based, students can access the E-Resources from anywhere in the campus. Remote access is available for IEEE and Elsevier Science Direct.

Library Automation:

All the active book collection is updated in the CAMPESiLIB Library Management Software database version 6.4.10 and the OPAC is available for the users. The issue and return of books has been activated with the CAMPESiLIB Library Management Software.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

**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	View File
Upload any additional information	View File

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

25.35

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

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

859

File Description	Documents
Upload details of library usage by teachers and students	View File
Any additional information	View File

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

The institute has well-structured IT facilities with 500Mbps bandwidth for 24x7 connectivity. The institution has wired and 18 Wi-Fi hotspot at prominent locations -wireless connectivity for use of students and faculty members across the campus including the hostel.

A separate team with in-house staff is constituted to take care of the IT & related needs of the campus such as Software Development, Hardware & Networking, Website designing & hosting, Email solutions, SMS solutions, etc.

IT infrastructure and internet facilities:

- 500Mbps of dedicated 1:1 leased line internet connectivity fromTATATEle Business Services for education and research needs.
- MAC-binded 'Wi-Fi' provision at selective in-campus hubs and hostels.

Secured IT Infrastructure by Sophos XG Firewall and K7 Enterprise Endpoint Security software suite that supports 1000 users.

Desktops (1447) from various brands with latest processor capacity.

Compatible branded Higher-end servers (4) to meet the IT-specific tasks like file, database, virus and backup management.

Printers (88), Copiers (5) and Scanners (10) for document imaging and reprography.

Healthy connected 'CAMPUS-LAN' via structured Optical Fibre and CATx cabling throughout the entire campus for anywhere data access.

Piracy-free IT environment through proper licensing of software. Tailored 'Microsoft Campus Agreement (MCSA)' to utilize the latest Microsoft products

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
2516	1447

File Description	Documents
Upload any additional information	View File

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

A. 50 Mbps

File Description	Documents
Details of bandwidth available in the Institution	View File
Upload any additional information	View File

4.3.4 - Institution has facilities for e-content

A. All four of the above

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

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil
List of facilities for e-content development (Data Template)	View File

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)

829.72

File Description	Documents
Audited statements of accounts	View File
Upload any additional information	View File

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.

The institute has individual personnel's for maintaining the infrastructure by way of building maintenance, transport, furniture, and generator operator in case of power shutdowns. Separate complaint registers are maintained for various services like electrical, plumbing, housekeeping etc. Maintenance technician of the college, reports regularly about the breakage of instruments and devices to the higher authority.

The maintenance committee is headed by the Office Superintendent, who in turn monitors the work of the supervisor at the next level. The supervisor is accountable to the office superintendent and functions as the coordinator who organizes the workforce, maintaining duty files containing details about their individual floor - wise responsibilities, timings, leave etc. The maintenance officer conducts periodic checks to ensure the efficiency / working condition of the infrastructure.

Adequate in - house staff are employed to maintain hygiene, cleanliness and infrastructure on the campus so as to provide a congenial learning environment. classrooms, staffrooms, seminar halls and laboratories, etc are cleaned and maintained regularly by housekeeping and non - teaching staff assigned for each floor. Wash rooms and rest rooms are well maintained. Dustbins are placed in every floor. The green cover of the campus is maintained by a gardener.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

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

1441

File Description	Documents
Upload self-attested letters with the list of students receiving scholarships	View File
Upload any additional information	View File

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

617

File Description	Documents
Upload any additional information	View File
Institutional data in prescribed format	View File

5.1.3 - The following Capacity Development and Skill Enhancement activities are organised for improving students'

A. All of the above

capabilities Soft Skills Language and Communication Skills Life Skills (Yoga, Physical fitness, Health and Hygiene) Awareness of Trends in Technology

File Description	Documents
Link to Institutional website	https://docs.drngpit.ac.in/pdf/CRITERIA-5/Annexure%205.1.3.pdf
Details of capability development and schemes	View File
Any additional information	View File

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

510

File Description	Documents
Any additional information	View File
Number of students benefitted by guidance for competitive examinations and career counseling during the year (Data Template)	View File

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	View File
Details of student grievances including sexual harassment and ragging cases	View File
Upload any additional information	View File

5.2 - Student Progression

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

510

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	View File

5.2.2 - Number of outgoing students progressing to higher education

22

File Description	Documents
Upload supporting data for students/alumni	View File
Details of students who went for higher education	View File
Any additional information	View File

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

4

File Description	Documents
Upload supporting data for students/alumni	View File
Any additional information	View File

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

71

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	View File

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

Dr.NGP.IT provides a platform for the active participation of the students in the various academic other administrative bodies/committees. The main purpose of this student council is to ensure harmony across an ample, vibrant, and continuous range of campus events and activities during the academic year. The council ensures involvement and engagement of all members of the Institute and its respective stakeholder groups. This council helps the students to develop their leadership and management skills. Every academic year, the head of the institution along with head of the department selects the student nominee based on academic performance for governing the curricular activities of the department / institution. Dr.NGP.IT has constituted an active student council comprising of Chairman, Vice Chairman, Secretary, Joint Secretary, Treasurer and office bearers members. The members of the student council along with senior faculty members are involving themselves for the planning, monitoring and execution of institutional level events such as Annual day, HENOSIS (National Technical Symposium), Tech Fest (An Inter departmental Cultural Extravaganza), Sports day, Aikyam (INDUSTUDENT CONFLUENCE), Career Day, Graduation Day, Alumni interactions and Alumni lecture series, students project expo, Spectronic (School Level Science Tec nova), hostel day, and various technical and non-technical club activities viz. NSS, RRC, YRC, Yoga, retract club, Environment Awareness club, Renewable energy club, Robotics club,

oracle club, Women's Development cell, Music and Dramatic club, Tamil mandram etc.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

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

38

File Description	Documents
Report of the event	View File
List of sports and cultural events / competitions organised per year	View File
Upload any additional information	View File

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

Objectives of the Alumni association:

- To encourage and promote close relations between the Institution and its alumni and among the alumni themselves.
- To promote and encourage friendly relations between all members of the alumni body, an interest in the affairs and well-being of the Institution.
- To provide and disseminate information regarding their Alma Matter, its graduates, Faculties and students, to the alumni.
- To initiate and develop programs for the benefit of the alumni.
- To assist and supporting the efforts of the Institution in obtaining funds for development.
- To serve as a forum through which alumni may support and advance the pursuit of academic excellence at the Institution.
- To guide and assist alumni who have recently completed their courses to obtain employment and engage in productive

pursuits useful to society.

- To organize and co-ordinate reunion activities of the Alumni and let the Alumni acknowledge their gratitude

Activities and Contributions:

- Alumni have donated funds to assist the Poor & Merit students of the Institution.
- Alumni are included as members in the Board of studies of all departments. They are invited for meetings at the college and they interact with their teachers and express their suggestions on curriculum revision.
- Few Alumni gave Guest lecturers to the existing students on some contemporary technological developments and career guiding focuses.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	Nil

5.4.2 - Alumni's financial contribution during the year

C. 5 Lakhs - 10 Lakhs

File Description	Documents
Upload any additional information	View File

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

The governance of the institution is reflective of and in tune with the vision and mission of the institution

INSTITUTE VISION:

To empower the students to succeed in a changing world to become productive engineers and responsible citizens.

INSTITUTE MISSION:

The stated vision of the Institution will be achieved by:

MI1: Producing graduates with sound technical knowledge and skills in diverse Engineering disciplines

MI2: Adopting innovative teaching and experiential learning practices by competent faculty

MI3: Enhancing knowledge and skills in cutting edge technologies through alliances with industry and research organizations

MI4: Creating conducive learning environment with state-of-the art infrastructure and laboratories

MI5: Inculcating ethical standards among students, both societal and personal through outreach programs.

The Institute vision and mission statements reflect effective leadership established through its governance setup and defines the Institution's distinctive characteristics. The Institution through IQAC and the departments ensures quality teaching-learning process, research, outreach services and education for technical self-sufficiency. The institution is dedicated to nurture a culture of continuous quality improvement and optimum utilization of resources to Achieve academic excellence. The Institute's efforts in achieving its vision are reflected through various arrangements to co-ordinate the academic and administrative planning and implementation.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	Nil

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

The effective leadership is visible in various institutional practices such as decentralization and participative management through administrative meetings like Governing Council, Academic Council, IQAC Meetings, Department Advisory Board, Industry Advisory Board, Programme Assessment Committee, HoDs meeting, Faculty meeting at the Department level by the HoDs, IIPC meetings, IIC meetings, Research and Development meetings,

Academic audits etc.

The Academic calendar is prepared by the IQAC in discussion with the Principal and HoDs at the beginning of the academic year to prepare the calendar of activities like Reopening dates, Assessment schedule, End semester examinations, Information about holidays, last working day, Institutional annual events like Annual day, Sports day, Techfest, AIKYAM, Academic Audit, Stock verification etc.

Also, Fresher's meet, Induction program, Bridge course, Class committee meeting, PTA, events by Professional society chapters, Clubs and association activities, Industry, and field visits, FDPs etc., are tentatively planned during the preparation of Academic Calendar. The faculty members who are coordinators for various activities involve during this process.

Internal assessment dates, Question paper preparation, Result analysis, Result intimation to parents, Project reviews etc. are prepared as separate calendar by the Controller of Examinations.

Placement readiness programs, Value added certification programs, Industry connect events etc., is prepared by the Training and Placement Cell.

File Description	Documents
Upload strategic plan and deployment documents on the website	View File
Upload any additional information	View File
Paste link for additional Information	Nil

6.2 - Strategy Development and Deployment

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

The institutional Strategic/ perspective plan is prepared and effectively deployed Perspective/Strategic plan and Deployment documents are available in the institution Response:

Yes, the Institute has prepared a perspective/strategic plan to fulfill the academic and research development, extra-curricular activities, sports, culture, infrastructural facilities of the

Institute. The Institute perspective plans is available in the link (<http://www.drngpit.ac.in/iqac.php>)

Activity: Improving Quality Assurance and Sustainability

The objective of quality assurance and sustainability are:-

- To frame the Quality Policy for the academics and research
- To identify the best practices in the institution
- To formulate various committees for effective functioning
- To conduct Periodic audits for academics and administration

The need of framing the quality policy for academics and research was perceived well by the institution. The IQAC has framed the ADC guidelines, project guidelines and research guidelines for improving examination process, research projects and publications.

The ADC guidelines address the transparent mechanism of continuous internal assessment & evaluation. The outcome of implementing this system appries CIE which is robust and efficient and the grievances are addressed effectively.

The project guidelines address the quality projects in industries carried out by the students. Students were encouraged to take up projects and internships. 2097 students underwent internships/ industrial training and industrial projects.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	Nil
Upload any additional information	View File

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.

The Institution ensures effective implementation of governance, administrative functions, policy guidelines, service rules for employment at all functional levels. The Governing Council monitors the implementation of activities in the institutional

strategic plan.

Governing Council take policy decisions regarding the academic and administrative affairs of the institution. Also, it is responsible for leading the development and execution of the institution's long-term strategy, managing the overall operations and resources of the institution.

Principal suggests recommendations to the management regarding student and staff progression. Principal also takes utmost care for the smooth functioning of the academic system and enhances the standards of education by providing an outstanding, creative and participative learning environment in the institution.

The office of Autonomy affairs takes care of the Regulations, Curriculum and Syllabi for the programmes offered in the Institution. Also, the office schedules the various meetings like Department Advisory Board (DAB), Programme Alumni Interactive Cell (PAIC), Industry Advisory Board (IAB) and Board of Studies of all the Departments. After these meetings, The Standing Committee Meeting and Academic Council Meeting are conducted by the office of Autonomy Affairs. The Academic Council of the Institution approves the Academic activities of the Institution as per the Guidelines of UGC.

IQAC is responsible for the preparation of Academic calendar and effective implementation of the activities as per the plan.

File Description	Documents
Paste link to Organogram on the institution webpage	https://docs.drngpit.ac.in/pdf/6.2.2organogram.pdf
Upload any additional information	View File
Paste link for additional Information	Nil

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) Document	View File
Screen shots of user interfaces	View File
Details of implementation of e-governance in areas of operation	View File
Any additional information	View File

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 has effective welfare measures for teaching and non-teaching staff

The institution takes care of the human resource by providing various welfare schemes. Some of the practices in effective human resource management includes norm-based recruitment, insurance benefits, medical leave, sabbatical leave, On-Duty, accidental insurance etc., Staff members are provided with medical concessions at KMCH and fee concessions for their wards in the NGP group of institutions.

The Institute is implementing various schemes for the welfare of the teaching and non-teaching staff members.

The staff members are encouraged and given financial assistance to pursue higher education, to attend FDP in their field of interest, industry visits and trainings to attend and present research papers in conferences, to publish research papers in indexed journals, to organize seminar, guest lecture, FDP for faculty members.

Orientation programs are conducted for the newly recruited faculty members once in a year to enhance their teaching ability. The faculty members are encouraged to attend the seminars conferences as well as refresher courses organized by university and AICTE. The faculty members are given on duty to participate/act as a resource person in the outside Institute. The Institute provides the following welfare scheme towards motivating and retaining the employees such as EPF, insurance, Vacation for teaching and non-teaching staff members, casual leave, medical leave, Free transportation for the non-teaching staff members. The faculty

members are appreciated with promotions and rewards benefits to Faculty.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

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

32

File Description	Documents
Upload any additional information	View File
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	View File

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

11

File Description	Documents
Reports of the Human Resource Development Centres (UGC HRDC/ASC or other relevant centres)	View File
Upload any additional information	View File

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.)

101

File Description	Documents
Summary of the IQAC report	View File
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	View File
Upload any additional information	View File

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly

Dr NGP Institute of Technology is run by M/s Kovai Medical Centre Research and Educational Trust.

Internal Audit:

Finance Controller is responsible for Internal Audit and Internal Control. The scope of internal audit programme comprising of Vouching, Monitoring the day-to-day operation. Confirmation balance of Assets and Liabilities, Statutory payment like PF, ESI, TDS and other local taxes and Prompt payment of Bank repayable.

Review with Institutional accounts team for the observation of the audit quires. Ensure the audit quires are properly carried out.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

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)

9

File Description	Documents
Annual statements of accounts	View File
Details of funds / grants received from non-government bodies, individuals, philanthropists during the year	View File
Any additional information	View File

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

Funds mobilization from various resources is detailed as below.

- Tuition fees
- Grants from Government and Non-Government bodies,
- Interest on Fixed Deposit Term loan from Banks

Utilization of resources

- Funds received mainly from Student Tuition fees are spent on payment of salary of teaching, non-teaching staff, recurring and non-recurring expenses of the Institution.

- Grants received from Government and Non-Government bodies are mainly earmarked for student Skill and Development activities. Trustees and Finance Controller of the Institution monitor the utilization of received grants.

Adequate funds are allocated for effective teaching-learning practices that include Research programs, Orientation Programs, Workshops, training programs, Refresher Courses and National and International seminars that ensure the quality of education.

Budget is utilized to meet day to day Operational, Administrative expenses, Capital, Maintenance of fixed assets, Green initiatives and Energy saving equipment. Funds are allotted and utilized every year for augmentation of library facilities to enhance higher learning practices of students.

Adequate funds are utilized for development and maintenance of infrastructure of the Institution. Funds are allocated for social service activities as part of social responsibilities through NSS, YRC, Red Ribbon Club. SAC club and other club activities.

Main motto of resource mobilization and optimal utilization of resources is to put Dr NGP Institute of Technology on benchmark in tune with quality teaching and unique growth of students.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	Nil

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)

The IQAC is constituted to monitor the internal quality aspects pertaining to academic, curricular, and co-curricular activities for the welfare of the students within the existing academic and administrative systems.

Practices institutionalized as a result of IQAC Initiatives:

1. Establishment of Academic Development Cell to ensure effective curriculum transaction and systematic assessment.

The ADC is established to ensure preparation and implementation of academic calendar related to the academic aspects such as instructional planning and delivery, assessment and evaluation of student learning for theory, practical and project and periodical academic audits.

Academic Calendar

An institution level academic calendar is prepared in line with Anna University. Based on this, department academic calendar is prepared keeping the following key parameters namely Time Plan for Curriculum delivery, Continuous Assessment and Evaluation Enrichment Programs Guest lectures, workshops, seminars and Conferences.

Entry Level Assessment

Diagnostic tests are conducted to assess the learner's knowledge in English, Mathematics and Basic Sciences Remedial courses are offered based on necessity.

Orientation to Core Disciplines

Prerequisite courses to core subjects in Semester III are extended to lateral entry students.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

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

Yes, the institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through the following mechanism governed by IQAC.

Examples for Reviews and Reforms in Teaching learning:

1. Periodical meetings for governance

2. IQAC initiated to formulate Programme Assessment Committee, Department Advisory Board and course mentor system which help to review the progress of course completion, effective teaching learning, attainment and assessment of learning outcomes, etc., Periodic meetings are conducted in which the committee members present their evaluations and plans for improvement. The committee reviews and provides feedback and suggestions.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

6.5.3 - Quality assurance initiatives of the institution include Regular meeting of the IQAC Feedback collected, analysed and used

A. Any 4 or all of the above

**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)**

File Description	Documents
Paste the web link of annual reports of the Institution	https://docs.drngpit.ac.in/pdf/6.5.3%20annual%20report.pdf
Upload e-copies of accreditations and certification	View File
Upload details of quality assurance initiatives of the institution	View File
Upload any additional information	View File

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

The institution provides facilities to all the staff members and students towards promoting education that would be sensitive to the needs of the various sections of society with special emphasis on gender equity and gender sensitivity. It aims to prepare the student to be self reliant, specialists in their chosen discipline, continuous learners, and effective communicators. Also, the students will be able to respect different cultures, socially responsible, aware of their social and civic responsibilities, sensitive to gender issues with zero tolerance towards sexual harassment, women safety and security, and environmental consciousness. Students of both the genders are given equal opportunities to grow and develop into able, responsible citizens of the future. The institute makes efforts to maintain gender balance among the staff members and students.

Gender Equity Initiatives:

The institution established gender equity and women empowerment initiatives through Gender Equity Cell (GEC) and Women Development Cell (WDC). The cells have organized 5 such programs exclusively.

Gender Equity initiatives are grouped into four impact areas:

- Recruitment, promotion, and tenure;
- Professional and leadership development;
- Equal opportunity for administrative and leadership positions; and
- Recognition and increased visibility of the Institute's commitment to gender equity.

The major activities promoted by Gender equity cell are listed below:

1. Processes and pathways to advancement and promotion
2. Professional and leadership development programs
3. Reporting system awareness
4. Success story promotion
5. Event promotion
6. Gender equity data

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	Nil

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

B. Any 3 of the above

File Description	Documents
Geotagged Photographs	View File
Any other relevant information	View File

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)

The institution inspires inhabitants to remain eco-friendly through its campus. Besides having infrastructure, construction as per the necessity for an educational campus, the institution puts in conscious efforts to enhance and nurture the eco-friendly environment on the campus. Monitoring and assessment of the green

environment on the campus is done periodically. Institute practices the waste management including solid waste management, liquid waste management and E-waste management.

Solid waste management

The total solid waste collected in the campus is 15 to 20 Kg/day on an average, from tree droppings, cups, paper, food waste etc. The waste is segregated at source by providing separate dustbins for Bio-degradable and non bio-degradable waste. Metal, Food and wooden waste is stored and given to licensed agents for further processing.

Liquid waste management

The Sewage water from the entire campus is received through the underground pipe lines. The treated water about 4166 liters/hour by Sewage Treatment Plant (STP) of 100KLD is used for gardening and flush out purposes. 19 lakh is spent to install STP.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	View File
Geotagged photographs of the facilities	View File
Any other relevant information	View File

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	View File
Any other relevant information	View File

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for

A. Any 4 or All of the above

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

File Description	Documents
Geotagged photos / videos of the facilities	View File
Various policy documents / decisions circulated for implementation	View File
Any other relevant documents	View File

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

7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following:

1. Green audit
2. Energy audit
3. Environment audit
4. Clean and green campus recognitions/awards
5. Beyond the campus environmental promotional activities

A. Any 4 or all of the above

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	View File
Certification by the auditing agency	View File
Certificates of the awards received	View File
Any other relevant information	View File

7.1.7 - The Institution has a disabled-friendly

B. Any 3 of the above

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 reading materials, screen reading, etc.

File Description	Documents
Geotagged photographs / videos of facilities	View File
Policy documents and brochures on the support to be provided	View File
Details of the software procured for providing assistance	View File
Any other relevant information	View File

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 focus in bringing harmony and tolerance towards cultural, regional, linguistic, communal socioeconomic and other diversities to impart oneness in the minds of students. The objective is to imbibe parity thinking in students and staffs on all believes and practices followed by various cultures, regions, linguistic, communal socioeconomic and other diversities.

The Music and Dramatic Club, Uyir Club, YRC Club, Rotaract Club and Consumer Club established at DrNGPIT ensure that the above said objective is imbibed to the student's community through various activities organized through online mode.

Programs on Cultural, Regional, Linguistic & Communal Socioeconomic:

Yoga-The Natural Immunity Booster, Programme on Transition from School to College, Assertive Personality, Redefining me, The Social Dilemma, Empowering The Moral Values, Ethics And Behavioral Attitude In Teaching Skills Among Teachers in three phases, Riding

through tough times and Equipping for your bright future, Hone Your Soft Skills, Recycling and Reuse of Plastic Waste, Utilization of E-Waste in Construction Industry, Taste the Failures, Swachhta - Rural Engagement.

Programs on Other diversities:

Exemplary Alumni Series on " The Social Dilemma, STTP on Empowering The Moral Values, Ethics And Behavioral Attitude In Teaching Skills Among Teachers in three phases, Riding through tough times and Equipping for your bright future, Hone Your Soft Skills, Department of Civil conducted National Level Virtual Conference on Recycling and Reuse of Plastic Waste Emerging Technologies in Construction Industry, Utilization of E-Waste in Construction Industry, Healthy and Well Being, Sky is the Limit, Social Entrepreneurship - Swachhta - Rural Engagement.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	View File

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

The Institution undertakes different initiatives by organizing various activities to sensitize students and employees to the constitutional obligation: Values, Rights, Duties and responsibilities of the citizens. To equip students with the knowledge, skill, and values that are necessary for sustaining one's balance between a livelihood and life by providing an effective, supportive, safe, accessible, and affordable learning environment. These elements are inculcated in the value system of the college community. The students are inspired by participating in various programs on culture, traditions, values, duties, and responsibilities by inviting prominent people. The institute conducted awareness programs on AIDS Awareness, Tree plantations, the ban on plastics, cleanliness, Swachh Bharat, Road Safety Week etc. involving students. The curriculum is framed with mandatory courses like Professional ethics and human values, as a small step to inculcate constitutional obligations among the students. Guest lectures and workshops are arranged by eminent personalities to deliver lectures on ethics, values, duties, and responsibilities and on saving the environment. Ethical Values, rights, duties, and

responsibilities of citizens are some of the topics that are enlisted in Elocution, debates, and class presentation

File Description	Documents
Details of activities that inculcate values necessary to transform students into responsible citizens	View File
Any other relevant information	View File

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

A. All of the above

File Description	Documents
Code of Ethics - policy document	View File
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	View File
Any other relevant information	View File

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

International Yoga Day was celebrated on 21st June 2022. All the students and faculty members participated in the Yoga day celebrations.

National Unity day-Rally was conducted on 31.10.2022

Constitution Day was celebrated on 26.11.2022

Women's day was celebrated on 8.03.2023

File Description	Documents
Annual report of the celebrations and commemorative events for during the year	View File
Geotagged photographs of some of the events	View File
Any other relevant information	View File

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

1. Student Council

The Student Council provides an exposure to formal leadership in education and organization of activities for the students of the Institution

Objectives of the Practice

- To reflect a positive image of the institution always
- To promote an environment that is conducive for education and personal development
- To coordinate student co-curricular and extracurricular activities both inside and outside the institution
- Maintenance of peace and harmony among campus community in general and student community in particular

*However, in no case/situation Student Council shall not and cannot influence/force/alter the decision-making procedure of the administrative officials/Management.

The Context

- Integrating Students of multiple disciplines to work as a team
- Provide students a platform for getting exposure in various domains on their own direction with guidance of Faculty Coordinators
- Involve as many students as possible in the student development activities of the institution

The Practice

- The members of the Student Council involve in arranging and conducting of the student related activities in the Institution. The members of the Council are defined with roles and responsibilities.
- Students learn to take responsibilities at an early stage itself
- It helps to enhance creativity skills, leadership qualities, management skills and discipline among the students

Evidence of Success

- Organized events for Faculty members of the Institution on Teacher's Day
- Handled eye opening sessions for all the students during first year orientation programme first year

File Description	Documents
Best practices in the Institutional website	https://docs.drngpit.ac.in/pdf/7.2.1%20Two%20best%20practices%20successfully%20implemented%20by%20the%20Institution.pdf
Any other relevant information	Nil

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)

The vision of Dr. N.G.P. Institute of Technology, Coimbatore is to empower the students for succeeding in a changing world to become productive engineers and responsible citizens.

To achieve this Vision, institute works comprehensively in both academic and administrative aspects.

Education & Research Ecosystem is developed in the Institution which acts as a decentralized learning and research ecosystem for professional development that intends to teach people how to build complete products in future technological fields and to improve their job skills.

Creating conducive learning and research environment with state-of-art infrastructure and laboratories and emphasize on inculcating ethical standards among students through outreach programs.

Conducive learning environment to impart quality education:

Dr. NGPIT has an eco- friendly campus with 72 ICT enabled classrooms, 49 well equipped state of art laboratories, IP enabled library, 11 Industry powered centers which nurture the students to enhance their technical competency. Institutes indigenously developed Learning Management System (LMS) web portal is accessible to all stakeholders with learning material, attendance, internal test performance and other news and events.

Students are encouraged to participate in various extension and outreach activities through professional societies, clubs to instill social and ethical values. Through IIPC, the institute has signed MoUs with industries and foreign universities for research collaborations, Internship/ Inplant training programmes, Industrial Visits to gain knowledge on real time applications. Institute provides prerequisite training to students for building and developing competencies for the placement and career development.

File Description	Documents
Appropriate link in the institutional website	https://www.drngpit.ac.in/research/
Any other relevant information	View File

7.3.2 - Plan of action for the next academic year

1. To start New Programmes in the latest areas of Development like Computer Science (Cyber Security)
2. To Prepare for NBA Accreditation of eligible Programmes
3. To establish Startup and Incubation Cell for promoting startup culture among students
4. To enhance Teaching and Learning process through experiential learning
5. To establish a maker space, coder space and ideation space for creating startup culture