



SELF STUDY REPORT

FOR

1st CYCLE OF ACCREDITATION

NPR COLLEGE OF ENGINEERING AND TECHNOLOGY

**NPR NAGAR, NATHAM, DINDIGUL
624401**

www.nprcet.org

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Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

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1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

NPR College of Engineering & Technology is one of the premier institutions in South Tamil Nadu situated near Natham in Dindigul District. The institution was established in 2008 by Titan Educational Trust with an exalted aim of uplifting the rural students to excel in the field of Engineering and Technology. It is approved by AICTE and affiliated to Anna University, Chennai. The institution encompasses a lush green environment with lawns and gardens in pristine surroundings conducive for learning. The institution offers 5 Under Graduate courses in Engineering and 1 Post graduate course in Engineering as well as Management studies. The institution is a life member of various professional bodies like ICI, ISTE, IETE, and CSI to the advancement of knowledge, practice of professions and promoting professional standards. Our institution has Centre of Excellence in CISCO, IIC, Red Hat Academy, Rural Entrepreneurship Development Cell and local chapter of NPTEL. College has a vibrant Placement Cell, Women Development Cell, Internal Quality Assurance Cell and signed MoUs with leading engineering industries. Being the green campus, our college is honored with IGEN Award and JAL SAKTHI award for Clean and Smart campus by AICTE in 2019.

The institution has an appealing infrastructure with 7 seminar halls, 1 fully air-conditioned auditorium, 3 drawing halls, smart class room in each department, digital library, computer centre and availability of 100 Mbps Wi-Fi connectivity throughout the campus. The institution has well furnished and sophisticated hostel facilities with indoor gym separately for boys and girls and mess providing hygienic food varieties as per the choice of students. The institution has a hygienic mega cafeteria, ATM centre, Ambulance facility, medical centre and well connected transport facility covering nearby districts. The students are tutored, mentored, counseled for academic development and promote innovative thinking.

Beyond academics, the institution instills self-discipline among students, motivates them to participate in sports and games especially in cricket. The institution has a turf cricket ground with international standards approved by BCCI where Ranji Trophy, Tamil Nadu Premiere League (TNPL) and many first class matches are conducted.

Vision

- To develop students with intellectual curiosity and technical expertise to meet the global needs.

Mission

- To achieve academic excellence by offering quality technical education using best teaching techniques.
- To improve Industry – Institute interactions and expose industrial atmosphere.
- To develop interpersonal skills along with value based education in a dynamic learning environment.
- To explore solutions for real time problems in the society.

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

Sprawling lush green campus in a pristine environment near the foothills of Karanthamalai

Conducive environment and state-of-the-art Infrastructure

CCTV monitored campus

Uninterrupted power and water supply throughout the campus

ICT enabled Teaching–Learning process

Training students for enhancing employability skills

Skill development programmes offered to students from first year onwards

Student participation in Academic and Administrative activities

Career improvement of students through Co-curricular and Extra-curricular activities

Satisfying the diverse needs of students with different backgrounds

Appropriate feedback mechanism for continuous quality improvement

Good rapport among the stakeholders

Renewable energy usage through Bio-gas and solar power generation

Green energy of biogas, noiseless generators for power generation

Recycling of water through Sewage Treatment Plant

Implementation of sustainability measures

Eco - friendly practices in the campus

Institutional Weakness

Geographically located in rural region

Less industrial connectivity due to remote location

Departments need to become recognized Research Centers by Anna University

Lack of funded projects and patents

Industry - academy relation to be improved for projects and consultancy

Non availability of technology incubators

Quality publications and Interdisciplinary research need to be strengthened

Institutional Opportunity

Establishing Centre of Excellence in key areas like research and consultancy

With Entrepreneurship Development Cell, opportunities are available for students to become entrepreneurs.

Practicing outcome-based education in all aspects of engineering disciplines

Offering courses through NPTEL influences the self-learning initiative of students

Value added courses provide opportunities to explore new areas of interest

Establishing continuous interaction with industry for mutual growth

Emphasis on renewable energy sources and use of power saving appliances

Enhancing contributions to green initiatives for sustainable development

Extending facilities to the society through extension activities

Institutional Challenge

Changing admission scenario in engineering discipline due to the wide availability of other professional programmes

Rapid changes in technology and accordingly improving the employability skills of students

Lack of free slots in academic schedule confines incorporating more add-on courses to cope up with industry requirements

Availability of qualified faculty in the emerging areas of technology

Reduced reading habits of students due to the influence of media

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

NPR College of Engineering & technology is an affiliated Institution under Anna University, Chennai,

Tamilnadu. Five under graduate programmes, two post graduate programmes are offered as per the regulations and curriculum & syllabi of Anna University, Chennai.

The Institution follows the syllabus and scheme prescribed by the University. The Institution takes utmost effort in effective curricular planning and implementation as prescribed by our affiliating university. Each course follows the Choice Based Credit System (CBCS) and the syllabus framed by Syllabus committee, Board of Studies of Anna University, Chennai. Compliance of Anna university curriculum is done to contribute different domains in curriculum and curricular gaps are identified through inputs from stakeholders.

Academic calendar is diligently prepared to implement the curriculum effectively. Institute adheres strictly to the Academic Calendar prepared in the beginning of each semester as per the academic schedule provided by the Anna University which includes weekly working days, holidays, internal assessment test dates, practical exam dates, Department wise workshops schedule, technical seminars, industrial visit, parent teachers meeting , sports day, cultural day, last working day etc. Internal Tests and Model Exams are conducted as per the schedule.

Based on the feedback on syllabus from different stakeholders, Institute offers certificate courses to the students every year to cater to the requirements of the stakeholders and the job market. Teachers of the Institution are also participating in design and development of curriculum and evaluation process.

Courses relevant to Gender, Environment like Environmental Science, Professional Ethics, Human Rights, etc. are offered as per Anna University curriculum. Awareness programmes on gender empowerment, environmental protection and service camps are conducted to groom the youngsters as better citizens.

Guest lectures, In plant training, Internship and Value added courses are executed to motivate the students to do innovative projects. Analytical and aptitude training classes are conducted to ensure better placement. Student's knowledge is enriched through experiential learning, field work, internship, project work.

Feedback of the curriculum is collected from various stakeholders like Students, Faculty, Employers, Parents and Alumni of the institution. Further the feedback has been analyzed and action has been taken.

Teaching-learning and Evaluation

Our Institution offers quality technical education by best teaching techniques with an exalted aim of bringing students especially from the rural areas into the fields of Engineering and Technology. NPRCET is approved by AICTE and affiliated to Anna University, Chennai. The average enrolment percentage is 50.03. The average percentage of seats filled as against the reservation policy is 66.27. The institution has a student-faculty ratio of 9:1 for effective teaching.

Each semester academic calendar was prepared in aligned with University. First year students are taxonomies as Tamil Medium / Poor Cut off marks / Poor Knowledge in computing skills.

Bridge course, Motivational program, Carrier guidance program, Value added Courses are offered to the students, to improve their academics.

Advanced and slow learners are identified based on learning abilities, and special programs are arranged to enhance their performance. For slow learners Remedial Classes, bilingual explanation and discussions were

conducted after the class hours for better understanding.

Student centric methods are adopted for enhancing learning experiences. Our institution promotes ICT teaching methodologies through E-Learning resources such as Video Lectures, NPTEL Courses, Virtual Lab, Smart Class rooms, E-Books and E-Journals.

Faculties were allotted as mentor with the average of 15 students for academic counselling & other related issues.

Average percentage of full-time teachers against sanctioned posts is 104.73 and with Ph.d is 5.04. The average teaching experience of full-time teacher is 3.21 years.

Internal tests and end semester examination is conducted for continuous assessment. Blooms taxonomy is followed in the question papers. The process is transparent and adheres strictly to the academic calendar.

Class Committee meetings were conducted thrice in a semester. The committee will discuss the syllabus completion and collect feedback from the students.

The average pass percentage of students during last five years is 87.23%.

Course Outcomes (COs) are defined for all subjects and mapped with Program outcomes (POs) and Program Specific outcomes (PSOs). Attainment levels of COs, POs and PSOs are calculated and evaluated. The student feedback mechanism facilitates to identify the strength and areas for continuous improvement in teaching learning process.

Research, Innovations and Extension

The institution encourages and motivates the faculty and students to accomplish research & promotes research culture. Nine faculties have completed Ph.D. and nine are pursuing. Incentives are provided for Ph. D scholars and journal publications.

Institute has Entrepreneurship Development Cell and Intellectual Properties Right Cell to enhance innovative and intellectual skills and to preserve the intellectual properties.

Competitive learning is continuously encouraged by participating in various Project competitions like Smart India Hackathon. Entrepreneurship Development Cell conducts more programmes and motivates them to start business by interaction with successful entrepreneurs.

Papers were published by faculties through conferences and in reputed Scopus index journals. The students are encouraged to participate in various workshops and conferences to remain updated of the latest knowledge in engineering & technology. Students' projects are good indication of research culture in our institution. Faculties are encouraged to publish papers in reputed journals.

Institution encourages faculty to publish books, to conduct and participate in workshops and seminars for updating technical knowledge.

Received various awards from government and government recognized bodies for the extension activities

conducted in our institution.

Students are sensitized towards health, hygiene and environmental issues. Social responsibility has been ensured through the enrollment of students in NSS and YRC.

NSS unit of our institution conducted various programmes for the holistic development of the community and Awareness camps on health and road safety, rallies, Tree plantation, Swatchh Bharath, etc.,

Blood donation camps are conducted through these schemes is noteworthy. More number of students is actively participating in all the activities executed by our NSS unit.

Institute has signed MoU with various industries for industry institution interaction through which technical skills of the students would be updated by undergoing industrial training.

Infrastructure and Learning Resources

Our institute has an impressive infrastructure with modern facilities, good academic ambience and lush green environment as per the norms. It has excellent ventilated 32 lecture halls, 7 tutorial halls, 7 seminar halls, 3 drawing halls and well equipped Laboratories with Smart Classroom & projector facilities. Also provides separate common room, sick room, Hostel for boys and girls with gym facilities, CCTV cameras, ramps, special rest room, wheel chairs, Transportation, ATM, Medical facilities by qualified medical professionals and 24x7 ambulance services. Auditorium is used for conducting cultural events/activities, co-curricular activities and Yoga classes.

“NPR Cricket Academy” identifies talented, potential students among the under privileged and grooms them into professional cricketers. There are well maintained grounds for Cricket (Turf wicket with grass out field and flood lights), Basketball, Football, Volleyball, shuttle and Athletics. Our cricket ground was inaugurated by **Indian Cricketer Mr.Gautam Gambhir**. International star cricketers like **Virender sehwaq, yuvaraj singh, Harbhajan singh, VVS laxman, Dinesh karthic, L.Balaji, Brett Lee** etc., visited and gave impressive feedback. It is venue for matches like Ranji Trophy, TNPL, First class cricket, Under19, NPR T20 inter-school tournaments, Student premier league and Staffs premier leagues. Separate sports area is allotted for field events like Shot put, Discus Throw etc.,

Library has spacious reading hall with seating capacity of 100 students. Library activities are fully automated by AutoLib software including OPAC and barcode scanner is followed for circulation and gate entries. Books are classified according to Dewey decimal classification system has 31352 volumes and 6037 titles, apart from this library subscribes to national and international periodicals. Institutional Memberships has DELNET, J-Gate, E-Shodhsindhu, E-Shodhganga, Springer open and NDL. Digital section is connected to 100 Mbps internet connection to access various online resources.

Our Institution has 600 computers for students and administrative usage. A student to computer ratio of 1.4:1 is being maintained. The entire campus is provided with 100Mbps Wi-Fi and LAN connections. Consecutive system up-gradation arrangements are incorporated on every year.

The Institute ensures optimal allocation and utilization of the available financial recourses for physical & academic maintenance and upkeep by holding regular meetings with maintenance team.

Student Support and Progression

Our institution provides essential assistance to students to enable them to obtain significant experiences for learning at the campus and to assist their complete development and progression.

Many of our students are benefited by the scholarships and fee waiver schemes, as a part of student support. The Institution provides financial assistance to deserving, meritorious and economically weaker section of students. It also offers services for students' personal and professional development.

Our institution conducts number of capability enhancement programs which enable the students to improve their skills other than curriculum. The student competency development center facilitates and provides guidance for Competitive Examinations, Career Counselling, Soft skill development, Remedial coaching and Bridge courses on regular basis to all the students. In addition, yoga and meditation classes were also conducted for better Body Mind coordination.

Grievance Redressal mechanism that is in practice is transparent and effective. Student grievances related to teaching-learning, ragging, and sexual harassments are sternly dealt with, promptly attended to and resolved immediately.

The effective grievance redressal mechanism prevails in the institution to resolve the grievances of students. Ragging and Sexual harassment is dealt with zero tolerance. The institution has a well-defined student mentoring system.

The institution offers good placement assistance to get jobs in reputed companies through training and placement cell and also to pursue higher studies in India and abroad.

Our students are getting qualified in national level competitive examinations like GATE/NET/SLET/GRE/TOEFL.

Our institution has the required infrastructure and promotes active participation of the students in sports and cultural activities at university/state/national / international level.

Our institution upholds best practices for students and maintains good relationship with all the stakeholders. The Alumni are a strong support to our institution. Our institution believes that "Alumni are the reflection of its past, representation of its present and a link to its future". An Alumni Association, as a registered society, aimed at inviting alumni to give pep talks about their experience from their area of profession or higher studies. Alumni meeting are held once in a year in the college.

Governance, Leadership and Management

The Institution has effective and transparent Governing system in tune with its vision & Mission of the college

- The vision of the college is to achieve excellence in technical education and in turn the mission of the institute is well articulated
- The Governing Council of the Institution meets once in a year to discuss and arrive to a consensus on

the administrative & academic functions of the college

- The Organizational structure of the college & decentralization are clearly defined
- Strategic plans are framed with goals in line with the Institute's Vision & Mission statements
- HR Policy has clear service rules and procedures. Administrative transparency is ensured by placing organizational Structure, Rules, Regulations and procedures pertaining to recruitment, promotions and grievance in Service Rule of the Institute
- Adoption of e-governance in certain areas of governance has strengthened the administration of the Institute
- Welfare measures provided to the teaching & non-teaching staff include free accommodation in hostel, Educational Support to Children, EPF, Maternity leave, insurance benefits, free transportation, awards & incentives, Medical facilities on campus and day care facility.
- Average 42.96% of teachers are benefited with financial support to attend Conferences / workshops / FDPs towards membership in various Professional societies during last 5 Years
- Average 52 Professional Development / administrative training programs are organized by the institution for teaching/Non teaching during past 5 years
- Average 46% of teachers are attending Professional Development Programmes during last 5 years
- The Faculty Performance appraisal is done every year for review of faculty performance & development
- External & internal financial audits are conducted periodically and improvement strategies are developed based on the audit report.
- The Department Budgets are prepared and consolidated to form Organization Budget and are discussed in Governing Body Meeting
- The Institution has well established Internal Quality Assurance Cell (IQAC) on 03.07.2017 for accreditations and plays a major role in inculcating quality culture in the Institute
- IQAC conducts half yearly meetings to review, monitor and enhance the quality of Teaching-Learning Process of the organization
- IQAC conducts Academic and Administrative Audits once in every year and based on observations recommendations are given.

Institutional Values and Best Practices

Our NPRCET encourage a set of standards and best practices, which show the Institution's dedication on the way to the growth of our students, teachers also to the society and nation. NPRCET start a lot of gender equity & sensitization like, professional counseling, common rooms, transportation, hostel, facilities, etc. We organize WDC programs. Our NPRCET is keen in providing safety & security for girl students and women employees in our campus.

We manage the waste management like solid, liquid, biomedical, and e-wastes are properly segregated and disposed proper manner by the way of understanding with village panchayat.

As a part of Green Initiatives, NPRCET measures to setup a solar light, sensor street light & LED lights are used to energy conservation purpose and solar & biogas plant are installed for alternate source to utilized in our campus also to make the audit for betterment of our sources utilization.

NPRCET green initiatives like Rain Water Harvesting, RO Plant, Waste Water Recycling systems are the water conservation measures implemented in the campus.

NPRCET has taken the green resolution through staffs and students to motivate the tree plantation & clean

environment and also initiate to reduce the CO₂ emission through the way of Restricted to use of automobiles, only use of battery vehicle & friendly path way also the plastic free campus for further ensure the cleanliness of the campus.

In addition, Divyangjan friendly by providing all the necessary facilities & separate wheelchair for the disabled persons to walk through ramp.

Our NPRCET has taken social responsibility initiatives with a code of conduct for students, HR Manual explaining service rules for teaching staff and for non teaching staff.

Our NPRCET organizes national and international commemorative days, events and festivals for our students & faculties.

Our NPRCET follows a special best practices like students mentor system and institute Administrative system. It has transparency in all aspectics through separate ERP system. NPRCET have a special uniqueness to promote the cricket by the way of Turf cricket ground and got approved from BCCI and conduct first class cricket matches with DDCA, TNCA & BCCI.

2. PROFILE

2.1 BASIC INFORMATION

| Name and Address of the College | |
|---------------------------------|--|
| Name | NPR COLLEGE OF ENGINEERING AND TECHNOLOGY |
| Address | NPR Nagar, Natham, Dindigul |
| City | DINDIGUL |
| State | Tamil Nadu |
| Pin | 624401 |
| Website | www.nprcet.org |

| Contacts for Communication | | | | | |
|----------------------------|------------------------|-------------------------|------------|--------------|---------------------------------|
| Designation | Name | Telephone with STD Code | Mobile | Fax | Email |
| Principal | J SUNDARA RAJAN | 04544-246500 | 7373444449 | 04544-246511 | nprcetprincipal@nprcolleges.org |
| IQAC / CIQA coordinator | K. ARUNA SENTHIL KUMAR | 04544-246501 | 9942430240 | 04544-246531 | aruna@nprcolleges.org |

| Status of the Institution | |
|---------------------------|----------------|
| Institution Status | Self Financing |

| Type of Institution | |
|---------------------|--------------|
| By Gender | Co-education |
| By Shift | Regular |

| Recognized Minority institution | |
|--|----|
| If it is a recognized minority institution | No |

| Establishment Details | |
|--------------------------------------|------------|
| Date of establishment of the college | 30-06-2008 |

University to which the college is affiliated/ or which governs the college (if it is a constituent college)

| State | University name | Document |
|------------|-----------------|-------------------------------|
| Tamil Nadu | Anna University | View Document |

Details of UGC recognition

| Under Section | Date | View Document |
|---------------|------|---------------|
| 2f of UGC | | |
| 12B of UGC | | |

Details of recognition/approval by stationary/regulatory bodies like AICTE,NCTE,MCI,DCI,PCI,RCI etc(other than UGC)

| Statutory Regulatory Authority | Recognition/Approval details Institution/Department programme | Day,Month and year(dd-mm-yyyy) | Validity in months | Remarks |
|--------------------------------|---|--------------------------------|--------------------|---------|
| AICTE | View Document | 06-06-2020 | 12 | |

Details of autonomy

| | |
|--|----|
| Does the affiliating university Act provide for conferment of autonomy (as recognized by the UGC), on its affiliated colleges? | No |
|--|----|

Recognitions

| | |
|---|----|
| Is the College recognized by UGC as a College with Potential for Excellence(CPE)? | No |
| Is the College recognized for its performance by any other governmental agency? | No |

| Location and Area of Campus | | | | |
|------------------------------------|-----------------------------|------------------|-----------------------------|---------------------------------|
| Campus Type | Address | Location* | Campus Area in Acres | Built up Area in sq.mts. |
| Main campus area | NPR Nagar, Natham, Dindigul | Rural | 14.92 | 26097.36 |

2.2 ACADEMIC INFORMATION

| Details of Programmes Offered by the College (Give Data for Current Academic year) | | | | | | |
|---|--|---------------------------|----------------------------|------------------------------|----------------------------|--------------------------------|
| Programme Level | Name of Programme/Course | Duration in Months | Entry Qualification | Medium of Instruction | Sanctioned Strength | No.of Students Admitted |
| UG | BE,Civil Engineering | 48 | HSC | English | 60 | 14 |
| UG | BE,Computer Science And Engineering | 48 | HSC | English | 60 | 50 |
| UG | BE,Electrical And Electronics Engineering | 48 | HSC | English | 60 | 19 |
| UG | BE,Electronics And Communication Engineering | 48 | HSC | English | 120 | 46 |
| UG | BE,Mechanical Engineering | 48 | HSC | English | 60 | 11 |
| PG | ME,Structural Engineering | 24 | UG | English | 18 | 1 |
| PG | MBA,Management Studies | 24 | UG | English | 60 | 34 |

Position Details of Faculty & Staff in the College

| Teaching Faculty | | | | | | | | | | | | |
|---|------------------|--------|--------|-------|----------------------------|--------|--------|-------|----------------------------|--------|--------|-------|
| | Professor | | | | Associate Professor | | | | Assistant Professor | | | |
| | Male | Female | Others | Total | Male | Female | Others | Total | Male | Female | Others | Total |
| Sanctioned by the UGC /University State Government | 0 | | | | 0 | | | | 0 | | | |
| Recruited | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Yet to Recruit | 0 | | | | 0 | | | | 0 | | | |
| Sanctioned by the Management/Society or Other Authorized Bodies | 7 | | | | 9 | | | | 93 | | | |
| Recruited | 6 | 1 | 0 | 7 | 6 | 3 | 0 | 9 | 56 | 37 | 0 | 93 |
| Yet to Recruit | 0 | | | | 0 | | | | 0 | | | |

| Non-Teaching Staff | | | | |
|---|-------------|---------------|---------------|--------------|
| | Male | Female | Others | Total |
| Sanctioned by the UGC /University State Government | | | | 0 |
| Recruited | 0 | 0 | 0 | 0 |
| Yet to Recruit | | | | 0 |
| Sanctioned by the Management/Society or Other Authorized Bodies | | | | 5 |
| Recruited | 3 | 2 | 0 | 5 |
| Yet to Recruit | | | | 0 |

| Technical Staff | | | | |
|---|-------------|---------------|---------------|--------------|
| | Male | Female | Others | Total |
| Sanctioned by the UGC /University State Government | | | | 0 |
| Recruited | 0 | 0 | 0 | 0 |
| Yet to Recruit | | | | 0 |
| Sanctioned by the Management/Society or Other Authorized Bodies | | | | 20 |
| Recruited | 20 | 0 | 0 | 20 |
| Yet to Recruit | | | | 0 |

Qualification Details of the Teaching Staff

| Permanent Teachers | | | | | | | | | | |
|------------------------------|------------------|---------------|---------------|----------------------------|---------------|---------------|----------------------------|---------------|---------------|--------------|
| Highest Qualification | Professor | | | Associate Professor | | | Assistant Professor | | | Total |
| | Male | Female | Others | Male | Female | Others | Male | Female | Others | |
| D.sc/D.Litt. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ph.D. | 5 | 1 | 0 | 2 | 0 | 0 | 1 | 0 | 0 | 9 |
| M.Phil. | 0 | 0 | 0 | 1 | 1 | 0 | 7 | 9 | 0 | 18 |
| PG | 1 | 0 | 0 | 3 | 2 | 0 | 48 | 28 | 0 | 82 |

| Temporary Teachers | | | | | | | | | | |
|------------------------------|------------------|--------|--------|----------------------------|--------|--------|----------------------------|--------|--------|--------------|
| Highest Qualification | Professor | | | Associate Professor | | | Assistant Professor | | | Total |
| | Male | Female | Others | Male | Female | Others | Male | Female | Others | |
| D.sc/D.Litt. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ph.D. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| M.Phil. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PG | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| Part Time Teachers | | | | | | | | | | |
|------------------------------|------------------|--------|--------|----------------------------|--------|--------|----------------------------|--------|--------|--------------|
| Highest Qualification | Professor | | | Associate Professor | | | Assistant Professor | | | Total |
| | Male | Female | Others | Male | Female | Others | Male | Female | Others | |
| D.sc/D.Litt. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ph.D. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| M.Phil. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PG | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| Details of Visting/Guest Faculties | | | | | |
|---|-------------|---|---------------|---|--------------|
| Number of Visiting/Guest Faculty engaged with the college? | Male | | Female | | Total |
| | | | | | |
| | 0 | 0 | 0 | 0 | 0 |

Provide the Following Details of Students Enrolled in the College During the Current Academic Year

| Programme | | From the State Where College is Located | From Other States of India | NRI Students | Foreign Students | Total |
|-----------|--------|---|-------------------------------|--------------|---------------------|-------|
| PG | Male | 13 | 0 | 0 | 0 | 13 |
| | Female | 22 | 0 | 0 | 0 | 22 |
| | Others | 0 | 0 | 0 | 0 | 0 |
| UG | Male | 99 | 0 | 0 | 0 | 99 |
| | Female | 41 | 0 | 0 | 0 | 41 |
| | Others | 0 | 0 | 0 | 0 | 0 |

Provide the Following Details of Students admitted to the College During the last four Academic Years

| Programme | | Year 1 | Year 2 | Year 3 | Year 4 |
|-----------|--------|--------|--------|--------|--------|
| SC | Male | 8 | 11 | 23 | 3 |
| | Female | 6 | 12 | 16 | 1 |
| | Others | 0 | 0 | 0 | 0 |
| ST | Male | 0 | 0 | 0 | 0 |
| | Female | 0 | 0 | 0 | 0 |
| | Others | 0 | 0 | 0 | 0 |
| OBC | Male | 125 | 96 | 242 | 173 |
| | Female | 78 | 73 | 79 | 65 |
| | Others | 0 | 0 | 0 | 0 |
| General | Male | 2 | 5 | 16 | 1 |
| | Female | 1 | 0 | 5 | 0 |
| | Others | 0 | 0 | 0 | 0 |
| Others | Male | 0 | 0 | 0 | 0 |
| | Female | 0 | 0 | 0 | 0 |
| | Others | 0 | 0 | 0 | 0 |
| Total | | 220 | 197 | 381 | 243 |

Extended Profile

1 Program

1.1

Number of courses offered by the Institution across all programs during the last five years

| 2019-20 | 2018-19 | 2017-18 | 2016-17 | 2015-16 |
|--------------------------------------|---------|-------------------------------|---------|---------|
| 301 | 300 | 298 | 316 | 369 |
| File Description | | Document | | |
| Institutional data prescribed format | | View Document | | |

1.2

Number of programs offered year-wise for last five years

| 2019-20 | 2018-19 | 2017-18 | 2016-17 | 2015-16 |
|---------|---------|---------|---------|---------|
| 7 | 7 | 7 | 8 | 11 |

2 Students

2.1

Number of students year-wise during last five years

| 2019-20 | 2018-19 | 2017-18 | 2016-17 | 2015-16 |
|---|---------|-------------------------------|---------|---------|
| 833 | 1032 | 1376 | 1545 | 1898 |
| File Description | | Document | | |
| Institutional data in prescribed format | | View Document | | |

2.2

Number of seats earmarked for reserved category as per GOI/State Govt rule year-wise during last five years

| 2019-20 | 2018-19 | 2017-18 | 2016-17 | 2015-16 |
|---------|---------|---------|---------|---------|
| 344 | 385 | 385 | 410 | 464 |

| File Description | Document |
|---|-------------------------------|
| Institutional data in prescribed format | View Document |

2.3

Number of outgoing / final year students year-wise during last five years

| 2019-20 | 2018-19 | 2017-18 | 2016-17 | 2015-16 |
|---------|---------|---------|---------|---------|
| 260 | 358 | 476 | 501 | 566 |

| File Description | Document |
|---|-------------------------------|
| Institutional data in prescribed format | View Document |

3 Teachers

3.1

Number of full time teachers year-wise during the last five years

| 2019-20 | 2018-19 | 2017-18 | 2016-17 | 2015-16 |
|---------|---------|---------|---------|---------|
| 98 | 108 | 121 | 151 | 172 |

| File Description | Document |
|---|-------------------------------|
| Institutional data in prescribed format | View Document |

3.2

Number of sanctioned posts year-wise during last five years

| 2019-20 | 2018-19 | 2017-18 | 2016-17 | 2015-16 |
|---------|---------|---------|---------|---------|
| 96 | 102 | 108 | 150 | 167 |

| File Description | Document |
|---|-------------------------------|
| Institutional data in prescribed format | View Document |

4 Institution

4.1

Total number of classrooms and seminar halls

Response: 39

4.2

Total Expenditure excluding salary year-wise during last five years (INR in Lakhs)

| 2019-20 | 2018-19 | 2017-18 | 2016-17 | 2015-16 |
|-----------|-----------|-----------|-----------|-----------|
| 206.64057 | 341.69980 | 207.56901 | 248.96991 | 276.91883 |

4.3

Number of Computers

Response: 578

NAAC

4. Quality Indicator Framework(QIF)

Criterion 1 - Curricular Aspects

1.1 Curricular Planning and Implementation

1.1.1 The Institution ensures effective curriculum delivery through a well planned and documented process

Response:

Our institution is approved by AICTE and affiliated to Anna University, Chennai. We impart quality technical education to the rural students following the curriculum and syllabus prescribed by Anna University.

The institute is committed to provide professional education to transform students into successful engineers and dynamic leaders with moral values. The academic year begins in the month of June and ends in May; accordingly we are planning for the curriculum execution. The institution convenes Academic council meeting in the month April/May to discuss the gaps in curriculum and the academic activities that are planned to conduct. The academic proposals submitted by the respective department heads are discussed and approved by the Academic council. To bridge the gaps, initiatives are taken to conduct Value added courses (Add on courses and Certificate courses) in every semester and bridge course is conducted for first year students. Departments prepare their action plans based on the direction of the academic council.

Every semester the department calls for subject allocation to faculty members. The subjects are finalized based on the experience, subject knowledge and willingness of the faculty. The faculty is informed to prepare course plan and course material for the forthcoming semester for the allotted subject. It includes the syllabus, lesson plan, course objectives, course outcomes, CO-PO mapping, course materials, Video lectures, tutorial sheet and assignment questions. Academic calendar is prepared as per the Anna University academic schedule and department Co-curricular activities. The department academic calendar for the semesters is prepared and is made available to all faculty and students.

Faculty will upload course plan and relevant teaching materials in our College website. Time table is prepared considering credit requirement of the subject. The academic performance of the students is measured and monitored through Internal Assessment Tests (IA Tests). Based on the analysis of IA test the respective faculty members identify the slow learners for every subject and conduct Remedial Classes. Class Committee meeting is conducted periodically after every IA test and get feedback from the students to take corrective measures. Curriculum delivery, Student performance and progress are periodically monitored by the Head of the Department and Principal. The faculty members use various teaching methodology for delivering the lectures to the students in an effective manner like board and chalk, PPT through LCD projector, videos, and NPTEL lectures. Every department organizes industrial visit, field visits, workshops, seminars, guest lectures, hands on training and internship for enhancing their student's knowledge in the subjects.

Laboratory Manual is prepared for practical courses as per Anna University syllabus and given to the students to excel in their end semester examination. The Staff and Students are motivated to register for

NPTEL online courses. Teaching faculty updates themselves for accomplishment of their subject delivery and curriculum effectively by attending refresher courses, workshops, Faculty Development Programs, conferences and seminars.

The institution provides all necessary infrastructural facilities to the students such as Communication lab, E-Journals and reference books in our Digital library.

| File Description | Document |
|---------------------------------|-------------------------------|
| Upload Additional information | View Document |
| Link for Additional information | View Document |

1.1.2 The institution adheres to the academic calendar including for the conduct of CIE

Response:

- In the beginning of the academic year, academic schedule is published by the University for UG and PG programme.
- The Institution ensures effective time management and strictly follows timeliness given by the affiliating university.
- The Institute carries out effective planning to stick to academic calendar. This allows the faculties and the students to space out their teaching and learning and regular assessment of the same.
- Following the university academic schedule, every department formulates internal department calendars to ensure timely delivery of syllabus. That too includes the department activities, test and common celebrations of the college.
- Every faculty follows an agenda that is discussed and approved by the head of their respective departments.
- For the beneficial of the students, Institution conducts value added courses like Add on and certificate courses for the interested students. This helps the students to attain knowledge beyond the syllabus as these topics are not covered by the exams conducted by the university but are still relevant.
- To fill the curriculum gap, these types of courses are conducted every semester in the academic year.
- Academic calendar is displayed in the Notice board, College website and in all Department notice boards.
- Academic calendar includes all working days, holidays, National and International icons, seminars, workshops, sports day, Alumni meet, National Science day, Guest lectures, Assessment dates, celebrations and club activities like NSS/YRC.
- Industrial visit and IPR training programme was scheduled in this calendar. It was formally approved by Principal and then uploaded in the College website.
- To monitor the progress of the students, Exam cell plays vital role in the conduction of Class test, Internal test and Model Examination. Exam schedule was pre-planned and the test was conducted

like University Exam to create the same environment and ambience to the students.

- Exam cell announce the dates for submission of Question papers and entry of marks. Also Exam cell remind the last date for portal entry. Question paper setting was taken based upon Bloom's taxonomy with answer key and the evaluation process was done within two days from the completion of the test.
- All kinds of test were scheduled in evenly spaced out intervals as instructed by the university to avoid pressuring the students with too many examinations.
- Academic calendar of our institution consists of the dates of last working day, Commencement of Anna University theory and practical examinations for the semester of all students.
- In case of any required change, the university communicates the modification to the college and the college enforces the same and inform the students in time. In any condition, the academic calendar is followed by all the faculties of the respective departments.

| File Description | Document |
|---------------------------------|-------------------------------|
| Upload Additional information | View Document |
| Link for Additional information | View Document |

1.1.3 Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the last five years

1. Academic council/BoS of Affiliating university
2. Setting of question papers for UG/PG programs
3. Design and Development of Curriculum for Add on/ certificate/ Diploma Courses
4. Assessment /evaluation process of the affiliating University

Response: B. Any 3 of the above

| File Description | Document |
|--|-------------------------------|
| Institutional data in prescribed format | View Document |
| Details of participation of teachers in various bodies/activities provided as a response to the metric | View Document |
| Any additional information | View Document |
| Link for Additional information | View Document |

1.2 Academic Flexibility

1.2.1 Percentage of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented

Response: 100**1.2.1.1 Number of Programmes in which CBCS / Elective course system implemented.**

Response: 7

| File Description | Document |
|--|-------------------------------|
| Minutes of relevant Academic Council/ BOS meetings | View Document |
| Institutional data in prescribed format | View Document |
| Any additional information | View Document |
| Link for Additional information | View Document |

1.2.2 Number of Add on /Certificate programs offered during the last five years**Response:** 113**1.2.2.1 How many Add on /Certificate programs are offered within the last 5 years.**

| 2019-20 | 2018-19 | 2017-18 | 2016-17 | 2015-16 |
|---------|---------|---------|---------|---------|
| 21 | 23 | 23 | 23 | 23 |

| File Description | Document |
|---|-------------------------------|
| List of Add on /Certificate programs | View Document |
| Brochure or any other document relating to Add on /Certificate programs | View Document |
| Any additional information | View Document |
| Link for Additional information | View Document |

1.2.3 Average percentage of students enrolled in Certificate/ Add-on programs as against the total number of students during the last five years**Response:** 65.65**1.2.3.1 Number of students enrolled in subject related Certificate or Add-on programs year wise during last five years**

| 2019-20 | 2018-19 | 2017-18 | 2016-17 | 2015-16 |
|---------|---------|---------|---------|---------|
| 534 | 745 | 873 | 1051 | 1148 |

| File Description | Document |
|---|-------------------------------|
| Details of the students enrolled in Subjects related to certificate/Add-on programs | View Document |
| Any additional information | View Document |

1.3 Curriculum Enrichment

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics ,Gender, Human Values ,Environment and Sustainability into the Curriculum

Response:

Our Institute integrates the Cross Cutting issues relevant to Gender, Environment and Sustainability, Human Values and Professional Ethics for the overall development of students.

1. Women's Development Cell (Gender Equality):

Institution provides equal opportunities for both boys and girls in terms of admission, co-curricular, extra-curricular and placement opportunities. Both students as well as staff are the representatives of SC/ST committee, Grievance Redressal Cell, Academic Council, Internal Quality Assurance Cell, Library Advisory Committee, class committee meeting and NPRCET Alumni Association. Female faculties are appointed as HoD in-charges, members of Anti-Ragging committee and Anti-ragging squad as the evidence of empowerment. Equal participation of girl students could be seen in the committees formed for the various functions held in our college especially the organizing committee for college annual day functions, Youth festival, Symposium, cultural programmes in Pongal festival. Women's day celebration is organized every year with the main focus of women empowerment to create awareness and motivation to girl students about their rights and human values of women towards the development of nation.

2. Environment and Sustainability:

University has included different types of courses in the curriculum to bring awareness among students for environment and sustainability. All programs have a compulsory course of Environmental Science and Engineering in first and second year curriculum. In this subject, students study the basic components of environment and its application to tackle issues such as pollution control, green gases, rain water harvesting, projects on environmental issues, projects on sustainability, energy conservation and Design of building with the use of sunlight. In Civil Engineering programme, students learn Environmental Engineering - I, II and Laboratory, Water Resources and Irrigation Engineering as core subjects. The following programmes are organized regularly for the students to instill the idea of environmental preservation and pollution free environment through NSS Unit, Plastic awareness programme, Clean India Programme, Environmental Studies, Tree Plantation and Swachh Bharat Abhiyan Scheme. Renewable energy utilization is achieved in our campus through the installation of solar plant and Bio-gas plant.

Communications are sent through ERP in order to reduce paper utilization.

3. Human Rights:

In order to integrate human rights into curriculum Anna University offers Human computer Interaction course as an elective and the same is taught for our students. Further our institute follows a transparent system of administration. Committees like SC/ST and Anti-Ragging deal issues regarding to any related misconduct. The SC/ST committee conducts the meeting with respective students and informs their rights and the available benefits in the society.

4. Professional Ethics and Human Values:

Anna University curriculum has “Professional Ethics in Engineering” course to all the branches of Engineering. Professional ethics are principles that govern the behavior of a person or group in their profession. In our institution we educate and motivate the students to follow the key ethical Programme.

- Anti-Ragging Committee’s role
- NSS Special Camp on Sanitation, Hygiene and Blood donation Camp.
- Activities of EDC (Entrepreneurship Development Cell) and Cultural activities, Social and Current environment issues.

| File Description | Document |
|---|-------------------------------|
| Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum. | View Document |
| Any additional information | View Document |

1.3.2 Average percentage of courses that include experiential learning through project work/field work/internship during last five years

Response: 73.54

1.3.2.1 Number of courses that include experiential learning through project work/field work/internship year-wise during last five years

| 2019-20 | 2018-19 | 2017-18 | 2016-17 | 2015-16 |
|---------|---------|---------|---------|---------|
| 229 | 224 | 221 | 232 | 256 |

| File Description | Document |
|---|-------------------------------|
| Programme / Curriculum/ Syllabus of the courses | View Document |
| MoU's with relevant organizations for these courses, if any Average percentage of courses that include experiential learning through project work/field work/internship | View Document |
| Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses | View Document |
| Any additional information | View Document |

1.3.3 Percentage of students undertaking project work/field work/ internships (Data for the latest completed academic year)

Response: 66.03

1.3.3.1 Number of students undertaking project work/field work / internships

Response: 550

| File Description | Document |
|---|-------------------------------|
| List of programmes and number of students undertaking project work/field work/ /internships | View Document |
| Any additional information | View Document |

1.4 Feedback System

1.4.1 Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders 1) Students 2)Teachers 3)Employers 4)Alumni

Response: A. All of the above

| File Description | Document |
|--|-------------------------------|
| Any additional information (Upload) | View Document |
| Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management (Upload) | View Document |
| URL for stakeholder feedback report | View Document |

1.4.2 Feedback process of the Institution may be classified as follows: Options:

1.Feedback collected, analysed and action taken and feedback available on website

- 2. Feedback collected, analysed and action has been taken
- 3. Feedback collected and analysed
- 4. Feedback collected
- 5. Feedback not collected

Response: A. Feedback collected, analysed and action taken and feedback available on website

| File Description | Document |
|-----------------------------------|-------------------------------|
| Upload any additional information | View Document |
| URL for feedback report | View Document |



Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1 Average Enrolment percentage (Average of last five years)

Response: 50.03

2.1.1.1 Number of students admitted year-wise during last five years

| 2019-20 | 2018-19 | 2017-18 | 2016-17 | 2015-16 |
|---------|---------|---------|---------|---------|
| 220 | 197 | 381 | 243 | 413 |

2.1.1.2 Number of sanctioned seats year wise during last five years

| 2019-20 | 2018-19 | 2017-18 | 2016-17 | 2015-16 |
|---------|---------|---------|---------|---------|
| 498 | 558 | 558 | 594 | 672 |

File Description

Document

Institutional data in prescribed format

[View Document](#)

Any additional information

[View Document](#)

2.1.2 Average percentage of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy) during the last five years (exclusive of supernumerary seats)

Response: 66.27

2.1.2.1 Number of actual students admitted from the reserved categories year-wise during the last five years

| 2019-20 | 2018-19 | 2017-18 | 2016-17 | 2015-16 |
|---------|---------|---------|---------|---------|
| 217 | 193 | 318 | 242 | 355 |

File Description

Document

Average percentage of seats filled against seats reserved

[View Document](#)

Any additional information

[View Document](#)

2.2 Catering to Student Diversity

2.2.1 The institution assesses the learning levels of the students and organises special Programmes for advanced learners and slow learners

Response:

Once the First-year admission process is over, one day orientation program is organized for the newly entered students. During this program, university regulations are explained to them. They are instructed about the credit points and calculations for each subject. After the program the students will have campus tour to all departments and laboratories.

Bridge course for the fundamentals of English, Mathematics, Physics, Engineering Graphics and Python subjects are conducted by the faculty of Science and Humanities and Engineering department before the commencement of the class work.

The students belonging to Tamil medium, English medium are identified to improve their communication skills, an additional attention has been given to Tamil medium students to speak confidently, write and interact. They are categorized as advanced learners and slow learners based on their performance in qualifying examination (+2 level). From the subsequent semesters categorization is made based on the performance of the students in the continuous internal assessments and university examinations. The students are categorized as advanced learners, those who don't have any arrears in university examination. The slow learners are categorized as those who have poor performance in internal examination and arrears in university Examination.

Slow learners:

The Remedial classes are conducted by the subject experts beyond working hours for slow learners which are not a part of the timetable. The slow learners are given the special coaching for the subjects after the college regular timings (4.30PM to 5.30 PM). The simplified study materials and revised question bank are issued to all students to enhance their performance.

Mentoring system:

We have an effective mentoring system to monitor the performance of the slow learners. The mentor who act as a guide to identify the problems and motivate to perform better. The mentoring system is to improve the relationship between the faculty and students. The mentors monitor the attendance, academic performance and the student's attitude. The parents are updated time to time about their wards actuality.

Advanced learners

The advanced learners are motivated not only to excel in their academics but also to participate in project expo's conducted by various colleges, present papers in national and international conferences, allowing them to attend workshops and Hands on training Programmes. They are motivated to participate in extra-curricular activities like Internship, In-plant training, Industrial Visit and Smart India Hackathon.

The student chapters like IETE, CSI, ISTE develop students to innovate and participate in various competitive programs. We conduct Workshops, Seminars and guest lectures periodically from the Industry expert and Academia.

They are encouraged to utilize the library for competitive exams, UPSC, GATE and Higher studies.

Training and Placement cell is very active for campus recruitment drives and also offering job awareness and training the students.

| File Description | Document |
|--------------------------------------|-------------------------------|
| Upload any additional information | View Document |
| Past link for additional Information | View Document |

2.2.2 Student- Full time teacher ratio (Data for the latest completed academic year)

Response: 9:1

| File Description | Document |
|----------------------------|-------------------------------|
| Any additional information | View Document |

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

Response:

The institution has adopted several practices to implement an Outcome Based Education through student centric learning process and suitable curriculum design. To effectively design and exercise student centric activities, teachers are motivated to undergo National Program on Technology Enhanced Learning (NPTEL) online courses, Seminars/Webinars, Short Term Training Programs and Faculty Development Programs.

Experiential Learning

Internships

- An Internship allows a student to gain hands on training and professional experience for their carrier prospects.
- Hands-on sessions are carried out in the institution which helps the students to improve their experiential learning.

Resources

- The institution has a digital library with wide variety of books, ebooks, technical magazines, journals, ejournals and NPTEL lecture videos which serves as a Knowledge Resource Center

Laboratory

- The theoretical concepts are taught in the class are validated by conducting related experiments, which improves participative, experiential and Problem solving learning.

Industrial Visits, Field Visits and In-Plant Training

- Arranged Industrial Visits and In-Plant training regularly for sensitizes students to visualize the concepts learnt in the classroom and gives exposure to the practical working environment.

Participative Learning

Guest Lectures, Seminars and Workshops

- Guest lectures by eminent experts from industry and institutions are organized to supplement the teaching process and experiential learning. Such activities develop stage courage, skills of expression, thinking power among the students.

Add on Courses and Certificate Courses

- Add-on courses and Certificate Courses are conducted for the students every semester, in which they can learn additional knowledge related to their program apart from their regular curriculum.

Group discussions

- Group discussions are often held in the classrooms on specific topics in all subjects.
- Presentations by the students are conducted on various topics to enhance overall personality development of students.

Placement Training Classes

- Placement training classes were conducted for final year and third year students and communicative English class for second year students to improve the skills.

Technical Symposium

- Our college organizes National Level Technical Symposium, in which our students create their own innovative ideas towards technical excellence.

NSS & YRC Activities

- In addition to academics, to be a socially responsible citizen; our college encourages the students to participate in NSS and YRC with equal enthusiasm to grow individually and as a group participation in the various awareness programme.

Problem Solving Methodologies

Case Studies

- Case Study method is adopted in teaching learning process to enrich logical thinking and practical knowledge to develop problem solving activity of the students.

Project Competitions

- We motivate and guide our students to participate in Project competitions like Internal Smart India Hackathon to enhance the problem solving and exhibit their analytical skills of the students.

Project

- The Project Course in the curriculum enables the students to apply their intellectual abilities and practical skills to solve real time engineering problems.

Tutorial Sessions

- In the case of problem-oriented subjects, Tutorial sessions are facilitated to enhance the problem-solving skills which are being conducted regularly.
- This is particularly helpful as individual attention is given to the students and their doubts are clarified on one to one basis.

| File Description | Document |
|-----------------------------------|-------------------------------|
| Upload any additional information | View Document |
| Link for additional information | View Document |

2.3.2 Teachers use ICT enabled tools for effective teaching-learning process.

Response:

Information Communication Technology (ICT) tools helps to increase the potential of the student's enthusiasm, connect students to many information sources, support active in-class and out-class learning environments.

ICT Tools

Modern teaching aids like Smart Classrooms, LCD Projectors, and Internet enabled Computer systems are used for class room instruction as well as other student learning experiences.

Several E-Learning resources are used for effective teaching methodologies to students such as NPTEL Courses, edx online courses, Virtual Lab, video lectures, Google Meet class room, Smart Class rooms, E-Books and E-Journals (National Digital Library of India).

Our Students are motivated to register *NPTEL (National Program on Technology Enhanced Learning)* courses which provide online e-learning materials and lecture videos. Our Institution has NPTEL Local Chapter through which students and faculties can register. Teachers deliver content beyond the syllabus apart from their class room instruction. With video lectures, our students can learn anywhere from their mobile devices, laptops, tablets or smartphones. Virtual lab helps to learn the laboratory experiments through online mode. Virtual lab supports to realize virtual teaching and learning environment aimed at developing students' laboratory skills.

In the entire campus LAN connects all the computers with 100 Mbps Speed. The Infrastructure consists of fiber optic cable network with 2 kilometers length by connecting all the building blocks of our college. Our Institution has ERP Software, where the faculties and students have separate login id and password for academic management. Students can easily access the E-Books and E-Journals (Delnet / JGATE) in our digital library.

Our Faculty members utilize Group Gmail Id and Whatsapp for better communication with students. Faculties also share the Course materials like lecture notes, question bank, assignment topics, etc., through Whatsapp and Gmail. Students also send their assignments and test papers through whatsapp. We also conduct Online Revision Classes for all the students and Project review through Google Meet app. Online MOC tests are conducted through Google Form. Placement classes are conducted in Online/Offline mode by our faculty members as well as industrial experts. Final Year Projects reviews and viva-voce are conducted online through Google Meet for all the departments.

The following are the links of the ICT enabled tools which are used for effective teaching-learning process:

Established NPTEL Local Chapter

https://nptel.ac.in/LocalChapter/spoc_login/home.php#

Enrollment of SWAYAM-NPTEL MOOCs Courses by Students and Faculty

<https://swayam.gov.in/>

Virtual lab link

<https://www.vlab.co.in/>

National Digital Library of India (e-Books & e- Journals)

<https://ndl.iitkgp.ac.in/>

edx courses

<https://www.edx.org/>

| File Description | Document |
|---|-------------------------------|
| Upload any additional information | View Document |
| Provide link for webpage describing the ICT enabled tools for effective teaching-learning process | View Document |

2.3.3 Ratio of students to mentor for academic and other related issues (Data for the latest completed academic year)

Response: 15:1

2.3.3.1 Number of mentors

Response: 57

| File Description | Document |
|---|-------------------------------|
| Upload year wise, number of students enrolled and full time teachers on roll. | View Document |
| mentor/mentee ratio | View Document |
| Circulars pertaining to assigning mentors to mentees | View Document |

2.4 Teacher Profile and Quality

2.4.1 Average percentage of full time teachers against sanctioned posts during the last five years

Response: 104.73

| File Description | Document |
|---|-------------------------------|
| Year wise full time teachers and sanctioned posts for 5years(Data Template) | View Document |
| List of the faculty members authenticated by the Head of HEI | View Document |
| Any additional information | View Document |

2.4.2 Average percentage of full time teachers with Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt. during the last five years (consider only highest degree for count)

Response: 5.04

2.4.2.1 Number of full time teachers with *Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt.* year wise during the last five years

| | | | | |
|---------|---------|---------|---------|---------|
| 2019-20 | 2018-19 | 2017-18 | 2016-17 | 2015-16 |
| 8 | 5 | 6 | 6 | 6 |

| File Description | Document |
|--|-------------------------------|
| List of number of full time teachers with Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt. and number of full time teachers for 5 years (Data Template) | View Document |
| Any additional information | View Document |

2.4.3 Average teaching experience of full time teachers in the same institution (Data for the latest completed academic year in number of years)

Response: 3.21

2.4.3.1 Total experience of full-time teachers

Response: 315

| File Description | Document |
|---|-------------------------------|
| List of Teachers including their PAN, designation, dept and experience details(Data Template) | View Document |
| Any additional information | View Document |

2.5 Evaluation Process and Reforms

2.5.1 Mechanism of internal assessment is transparent and robust in terms of frequency and mode

Response:

Internal Assessment:

The internal assessments are conducted through our Exam Cell established in our college and led by the Chief Superintendent and Exam Cell Co-coordinator. The University allots 80% marks for the end semester exams and 20% for the internal marks. The internal marks are calculated based on the two internal tests and one model test. The fixation of internal test is aligned with the web portal entry schedule given by our affiliating Anna University to upload the internal marks of each internal test. During each semester the students are well informed about the examination schedules through circulars and information in the notice boards. Attendance is maintained during the assessment period by the department examination cell. Absence is informed to the parents through SMS. Two set of question papers were prepared by concerned faculty and submitted to the exam cell one week prior to the commencement of exam.

After the exam, the answer scripts are collected by concerned staff from exam cell. Within two days the answer scripts are evaluated and distributed to students for verification. Discrepancy if any will get to the notice of concerned teacher and the necessary corrections are carried out.

The internal marks can be viewed by the students through their login in the portal. Parents are informed about their performance through ERP software. Class committee meeting is conducted at regular intervals to know the feedback and grievance from the students about the examination schedule, syllabus coverage and availability of study materials.

The internal and model question patterns are,

| Test | Duration | Syllabus | Pattern | Mar |
|---------------------|----------|----------------------------|--|-------|
| Internal Test 1 & 2 | 90 min | Consecutive 2 Units | Part A (5x2=10) Part B (1x8=08) Part C (2x16=32) | 50 M |
| Model test | 3 hrs | All 5 units | Part A (10x2=20) Part B (5x13=65) Part C (1x15=15) | 100 M |

As per our university syllabus, model lab practical examinaion are conducted. Similar to university lab practical examination, where each student is assigned with individual experiment. At end of the session, answer scripts are evaluated and it is converted as 20 marks for internal. The project work team of students should have a maximum strength of four as instructed by our university. Three assessments namely zeroth review, first and second reviews are evaluated and displayed in the notice board. The students have to present their progress before the committee on the progress made as per the schedule.

Robust

Internal Tests and model test are conducted in common by exam cell as per University academic schedule which reflects in the institution's academic calendar. Every question paper for individual courses is based on Blooms Taxonomy. The flying squad is constituted by exam cell and approved by Principal/chief superintendent. The squad monitors the other department examinations and reports are submitted to the exam cell. In lab practicals, each experiment is evaluated and marks are assigned for observation, record writing and viva answres. For project, the students have to confirm their progress in the three reviews through presentation before the review committee and are verified.

| File Description | Document |
|---------------------------------|-------------------------------|
| Any additional information | View Document |
| Link for additional information | View Document |

2.5.2 Mechanism to deal with internal/external examination related grievances is transparent, time-bound and efficient

Response:

External examination:

The rules and regulations of our affiliating Anna University related to examinations and possible issues are explained to all students during the orientation program in the first semester itself. The circulars related to the conduct of internal assessment, University examinations, declaration of results, etc., are communicated to the students on time.

As per University requirements, a profile must be created for every student to maintain the database in University web portal and for further processes. Our Exam Cell assists the students to resolve the University level grievances related to correction in name, date of birth, etc., in mark sheets, provisional certificate, degree certificate, examination application filing, hall ticket generation, publications of results, revaluation results, etc.

For university level grievances, the student has to submit a requisition letter to the Principal stating the nature of the grievance. The documents corresponding to the grievances and supporting documents are maintained in the exam cell. The grievances are discussed with the Principal and communicated to University for necessary actions.

After the publication of results, if a student is not satisfied with the marks awarded for a particular subject, the student can apply for revaluation. At first, the student has to get the photocopy of the answer script through exam cell from the university. Then it is evaluated by a respective subject expert in the department and recommended for revaluation.

After revaluation, results will be published by the university and also informed to the student through the exam cell. Revaluation is not permitted for practical courses and project work. A candidate can apply for revaluation not exceeding 5 subjects at a time by paying the prescribed fee by the university. Candidates who are not satisfied with revaluation can apply for review of revaluation within the prescribed date on payment through the exam cell. Candidates applying revaluation alone are eligible for review of revaluation.

Internal Test

Three Internal Assessment marks are submitted in the University Web portal as per schedule given by our affiliating Anna University. Grievances related to the display of assessment marks in University Web portal are addressed and get resolved by the students through exam cell.

The answer key and scheme of evaluation is discussed in the class. Evaluated test note and answer sheets

are given to students for clarification on the marks awarded. Grievance of the students' is redressed by the respective subject teacher and the HoD. The grievance will be represented in the class committee meeting if needed to get resolved.

For project work, the students are informed to submit well in advance for Project title, guide and team members. The scheme of valuation for the project presentation during the review is displayed in the notice board along with the schedule. The grievances related to the change of title and team members after finalization and award of marks for the reviews are discussed and resolved by the project review committee itself or by HoD/Principal according to the nature of grievance represented.

| File Description | Document |
|---------------------------------|-------------------------------|
| Any additional information | View Document |
| Link for additional information | View Document |

2.6 Student Performance and Learning Outcomes

2.6.1 Programme and course outcomes for all Programmes offered by the institution are stated and displayed on website and communicated to teachers and students.

Response:

A successful outcome-based curriculum involves aligning the individual Course Outcome (CO) with the intended Program Outcomes (POs) and with Program Specific Outcomes (PSOs). Our Institute is affiliated to Anna University, Chennai. The CO-PO mapping paves the way to examining the extent to which the outcomes are being addressed and assessed in the curriculum. The department has defined its own PEOs and PSOs in alignment with Program Outcomes described by University curriculum and feedback from Industry experts. Five Course outcomes of each course are formed by the subject handling faculty members mapping them with PSO and PO.

The Program Outcomes (POs), Program Specific Outcomes (PSOs) and Course Outcomes (COs) are well defined and stated in the University Curriculum for the regulations 2013 & 2017. POs, PSOs and COs are formed by considering Vision and Mission statement of the college and the syllabus content. COs and POs are framed by the Heads of the department after the discussion with the subject handling faculty along with subject experts. Course committee meetings are conducted at regular intervals and the institute assists the faculty members to achieve these objectives by proper supporting systems which in turn to understand the course outcomes easily.

The COs are also dictated to the students while dictating the syllabus in the class and also mentioned in the internal examination question papers. Hence the student can very well aware of the COs of the respective subject. The POs and COs are available in the course file prepared by the respective faculty member while mapping with POs. The lesson plan will be prepared by the faculty as per the defined course outcomes.

NPR College of Engineering & Technology offers 5 Under Graduate Programmes and 2 Post Graduate

Programmes. The Programmes offered are listed below:

UG PROGRAMMES

- Civil Engineering
- Computer Science and Engineering
- Electronics and Communication Engineering
- Electrical and Electronics Engineering
- Mechanical Engineering

PG PROGRAMMES

- **M.E** – Structural Engineering
- **MBA** - Master of Business Administration

Each course has defined course outcomes that are linked to the program outcomes and a set of performance criteria that are used to provide quantitative measurement of how well course outcomes are achieved. The course outcomes are thus directly and quantitatively assessed and are tied to the program Outcomes and program specific outcomes. The course outcomes of each course are mapped to the Program Outcomes with a level of emphasis being Substantial correlated - High (3), Moderate correlated - Medium (2) and slightly correlated - low(1). Faculty members refer the syllabus to understand POs and COs thoroughly before delivering the courses to students.

The programme outcomes (POs), programme specific outcomes (PSOs) and course outcomes (COs) of all the programmes are displayed and disseminated through the following modes

- College website
- Library
- HOD room
- Faculty rooms
- Class room notice boards
- Laboratories

| File Description | Document |
|---|-------------------------------|
| Upload COs for all Programmes (exemplars from Glossary) | View Document |
| Upload any additional information | View Document |
| Past link for Additional information | View Document |

2.6.2 Attainment of programme outcomes and course outcomes are evaluated by the institution.

Response:

Our Institution has adopted Outcome Based Education which focuses on measuring student

performance through outcomes. **Course Outcomes, Program Outcomes and Program Specific Outcomes** are evaluated to measure the knowledge, skills and behavior of students for the continuous quality improvement of each Course and Program using the below-mentioned procedure.

- Initially, Course Outcomes are formulated and get approved by the head of respective departments as per Bloom taxonomy for all the courses.
- Then CO-PO and CO-PSO correlation matrix are set for all the courses in the program.
- Target Attainment Level is set for each Course Outcomes.

| Course | Attainment Level | | |
|--------|------------------|--------|--------|
| | 3 | 2 | 1 |
| CO1 | Above 80% | 80>60% | 60>50% |
| CO2 | Above 80% | 80>60% | 60>50% |
| CO3 | Above 80% | 80>60% | 60>50% |
| CO4 | Above 80% | 80>60% | 60>50% |
| Co5 | Above 80% | 80>60% | 60>50% |

Enter correlation levels 1, 2 or 3 as defined below:

1: Slight (Low)

2: Moderate (Medium)

3. Substantial (High)

Attainment of Course Outcomes is measured using **Direct and Indirect methods**.

For direct attainment, marks of Continuous Internal Tests, model test Assessment and University results are taken as input parameters. The Question papers for CIE (Continuous Internal Evaluation) are set based on the assessment pattern of University and Bloom's Cognitive level.

For Indirect attainment, the Student Exit survey will be taken as important tool for each course and as well as each Course outcome is measured using the weighted average score obtained in a Student Exit survey,

After measuring the CO attainment of each course, recommendations are put forth to the respective course to practice from the next academic year to improve the teaching-learning process.

Program Outcomes and Program Specific Outcomes are measured using Direct and Indirect method

For Direct Attainment of POs and PSOs, the average value of CO's of all the courses are taken as the input parameter

For Indirect Attainment of POs and PSOs, the following tools are used as input parameters:

- **Student Exit survey** (Collected from passed out students)

Indirect attainment is found from student exit survey about the program and is conducted by providing the POs and PSOs as questionnaires to the outgoing students by giving three grade points as Excellent – 4 , Good – 3 , Satisfactory - 2 and Fair – 1. Total weightage and maximum weightage is calculated for each PO's and PSO's. PO's and PSO's weightage is also calculated from the percent weightage.

Indirect attainment is 20 % of the weightage of the each PO's and PSO's. Direct attainment which includes 20% internal assessment level, 80% end semester attainment level .

| File Description | Document |
|---------------------------------------|-------------------------------|
| Upload any additional information | View Document |
| Paste link for Additional information | View Document |

2.6.3 Average pass percentage of Students during last five years

Response: 87.23

2.6.3.1 Number of final year students who passed the university examination year-wise during the last five years

| 2019-20 | 2018-19 | 2017-18 | 2016-17 | 2015-16 |
|---------|---------|---------|---------|---------|
| 249 | 281 | 388 | 439 | 525 |

2.6.3.2 Number of final year students who appeared for the university examination year-wise during the last five years

| 2019-20 | 2018-19 | 2017-18 | 2016-17 | 2015-16 |
|---------|---------|---------|---------|---------|
| 260 | 358 | 476 | 501 | 566 |

| File Description | Document |
|--|-------------------------------|
| Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template) | View Document |
| Upload any additional information | View Document |
| Paste link for the annual report | View Document |

2.7 Student Satisfaction Survey

| 2.7.1 Online student satisfaction survey regarding teaching learning process | |
|---|-------------------------------|
| Response: | |
| File Description | Document |
| Upload database of all currently enrolled students (Data Template) | View Document |

Criterion 3 - Research, Innovations and Extension

3.1 Resource Mobilization for Research

3.1.1 Grants received from Government and non-governmental agencies for research projects, endowments, Chairs in the institution during the last five years (INR in Lakhs)

Response: 0

3.1.1.1 Total Grants from Government and non-governmental agencies for research projects , endowments, Chairs in the institution during the last five years (INR in Lakhs)

| 2019-20 | 2018-19 | 2017-18 | 2016-17 | 2015-16 |
|---------|---------|---------|---------|---------|
| 0 | 0 | 0 | 0 | 0 |

File Description

Document

List of endowments / projects with details of grants

[View Document](#)

3.1.2 Percentage of teachers recognized as research guides (latest completed academic year)

Response: 2.04

3.1.2.1 Number of teachers recognized as research guides

Response: 2

File Description

Document

Institutional data in prescribed format

[View Document](#)

Any additional information

[View Document](#)

3.1.3 Percentage of departments having Research projects funded by government and non government agencies during the last five years

Response: 0

3.1.3.1 Number of departments having Research projects funded by government and non-government agencies during the last five years

| 2019-20 | 2018-19 | 2017-18 | 2016-17 | 2015-16 |
|---------|---------|---------|---------|---------|
| 0 | 0 | 0 | 0 | 0 |

3.1.3.2 Number of departments offering academic programmes

| 2019-20 | 2018-19 | 2017-18 | 2016-17 | 2015-16 |
|---------|---------|---------|---------|---------|
| 7 | 7 | 7 | 8 | 11 |

| File Description | Document |
|---|-------------------------------|
| List of research projects and funding details | View Document |

3.2 Innovation Ecosystem**3.2.1 Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge****Response:****Institution Innovation Initiatives**

Our Institution has taken initiative steps towards developing ecosystem for innovations and knowledge sharing method. The institution is well equipped with technical facilities to enhance knowledge sharing and skill developments which are important attributes for an Innovative Ecosystem. In addition to regular curricular framework, our students get exposure through conducting programs like Seminars, Workshops and Symposium. An environment for collaborative and competitive learning has been developed by encouraging students to participate in Project competitions like Smart India Hackathon. Industry visits and internships are arranged for students to acclimatize them to real time industrial environment and to hone their professional outlook.

Our institution has NPTEL Local chapter for encouraging the students and faculties to provide the flexibility to learn their own space. The college provides high speed internet (100 Mbps) LAN and Wi-Fi facilities for both faculty and students. In our institution we have digital library to easily access the E-books and E-Journals (Delnet, JGAT) which can be used by the students and faculty.

Institution's Innovation Council (IIC)

In our institution IIC is functioning under Ministry of Education (MoE), Govt. of India. Major focus of IIC is to create the vibrant local innovation ecosystem. To conduct various innovation and entrepreneurship-related activities prescribed by MIC in time bound fashion. The Primary mandate of MIC is to encourage, inspire and nurture young students by supporting them to work with new ideas.

Intellectual Property Rights (IPR) Cell

IPR cell in the institution conducts several IPR related programmes to educate and train them on IPR and

procedure of filling patents. The Objective of this cell is to provide an Environment that supports and Encourages innovation and Development. IPR cell conducts periodic events (Workshop/Seminar) for faculty members and students towards IPR to identify patentable inventions. The aim of IPR Cell is to create awareness and provide guidance to faculty members, research scholars and students on intellectual property rights.

Entrepreneurship Development Cell (EDC)

Our institution has Entrepreneurship Development Cell to motivate, develop and strengthen the entrepreneurial qualities of the budding professionals who are interested in starting their own venture. To promote an entrepreneurial mindset, institution has an Entrepreneurship Development Cell, that encourages forging a relationship between the industry and the institution. Individual department interacts with industry to ascertain its needs to fill the gap in curriculum. The gap is filled by arranging workshops addressed by industry personals.

| File Description | Document |
|---------------------------------------|-------------------------------|
| Upload any additional information | View Document |
| Paste link for additional information | View Document |

3.2.2 Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship during the last five years

Response: 34

3.2.2.1 Total number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year-wise during last five years

| 2019-20 | 2018-19 | 2017-18 | 2016-17 | 2015-16 |
|---------|---------|---------|---------|---------|
| 5 | 7 | 6 | 8 | 8 |

| File Description | Document |
|--|-------------------------------|
| Report of the event | View Document |
| List of workshops/seminars during last 5 years | View Document |
| Any additional information | View Document |

3.3 Research Publications and Awards

3.3.1 Number of Ph.Ds registered per eligible teacher during the last five years**Response:** 7.5**3.3.1.1 How many Ph.Ds registered per eligible teacher within last five years**

Response: 15

3.3.1.2 Number of teachers recognized as guides during the last five years

Response: 2

| File Description | Document |
|--|-------------------------------|
| List of PhD scholars and their details like name of the guide , title of thesis, year of award etc | View Document |
| Any additional information | View Document |
| URL to the research page on HEI website | View Document |

3.3.2 Number of research papers per teachers in the Journals notified on UGC website during the last five years**Response:** 0.16**3.3.2.1 Number of research papers in the Journals notified on UGC website during the last five years.**

| 2019-20 | 2018-19 | 2017-18 | 2016-17 | 2015-16 |
|---------|---------|---------|---------|---------|
| 11 | 4 | 1 | 3 | 2 |

| File Description | Document |
|--|-------------------------------|
| List of research papers by title, author, department, name and year of publication | View Document |
| Any additional information | View Document |

3.3.3 Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years**Response:** 0.15**3.3.3.1 Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year-wise during last five years**

| | | | | |
|---------|---------|---------|---------|---------|
| 2019-20 | 2018-19 | 2017-18 | 2016-17 | 2015-16 |
| 5 | 4 | 9 | 1 | 0 |

| File Description | Document |
|---|-------------------------------|
| List books and chapters edited volumes/ books published | View Document |
| Any additional information | View Document |

3.4 Extension Activities

3.4.1 Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the last five years.

Response:

Extension Activities

National Service Scheme(NSS)

The National Service Scheme (NSS) unit of our institution has active student volunteers. NSS conducts Personality / Character Development programme as mandated by Anna University Regulations. The NSS unit conducts various awareness programmes in nearby villages every year, in which veterinary camps, blood donation camp, AIDS awareness camp, dengue awareness camp, road safety programme, tree plantation, cleaning of temple premises and streets are carried out. The NSS unit has been awarded TN Government Blood Donation Association and TN Government AIDS Control Board for three times. The unit actively takes up activities in the city also every year, apart from providing emergency response training for relief operations and spontaneous donation drives during natural disasters.

YOUTH RED CROSS (YRC) unit of the institution is actively involved in conducting various awareness programmes on measures to prevent dengue fever, promotion of rain water harvesting methods, campaign against plastic usage, etc. The YRC Unit of the institution also conducts blood donation camp in the institution as well as outside.

RED RIBBON CLUB (RRC) is another active unit of the institution which conducts blood donation camps in association with several blood banks. Free health check-up camps and AIDS/HIV awareness camps are also conducted by our students every year in the nearby villages.

SWACHH BHARAT ABHIYAN (SBA) The objectives included eradication of manual scavenging, generating awareness and bringing about a behavior change regarding sanitation practices. It also aims to sustain the open defecation free status and improve the management of solid and liquid waste. Under this mission our institution has conducted many programmes in outside schools from both rural and urban areas.

JAL SHAKTI ABHIYAN In our Institution has aimed to give clean, smart and innovative campus. In this initiation, the institution has been awarded as 2019 under AICTE for the participation of clean and smart campus award.

UNNAT BHARAT ABHIYAN (UBA) has been functioning in our institution under the Ministry of Human Resource and Development (MHRD). Under this unit our institution has adopted five villages (Punnaipatti, Mulaiyur, Sirugudi, Sendurai and Reddiyapatti) in consulations with the district collector. Our Institution received fund from UBA, rupees 50,000 for survey and rural development activities in the villages. Our institution has organized one day camp on the theme “UNNAT BHARAT ABHIYAN” for taking household and village survey to implement the UBA development activities in the selected cluster villages.

WOMEN DEVELOPMENT CELL (WDC) aims at empowering girl students and women faculty through various initiatives. Under its banner, invited talks are delivered by leading career women from various walks of life to create awareness on safety, health, career and self-employment aspects for village women. Every year, in our institution to show case the talents of girl students, women’s day is celebrated and various competitions are conducted under this cell. Medical camps and health awareness programmes have been conducted for the village women.

| File Description | Document |
|---------------------------------------|-------------------------------|
| Upload any additional information | View Document |
| Paste link for additional information | View Document |

3.4.2 Number of awards and recognitions received for extension activities from government/ government recognised bodies during the last five years

Response: 16

3.4.2.1 Total number of awards and recognition received for extension activities from Government/ Government recognised bodies year-wise during the last five years.

| 2019-20 | 2018-19 | 2017-18 | 2016-17 | 2015-16 |
|---------|---------|---------|---------|---------|
| 13 | 1 | 1 | 0 | 1 |

| File Description | Document |
|--|-------------------------------|
| Number of awards for extension activities in last 5 year | View Document |
| e-copy of the award letters | View Document |
| Any additional information | View Document |

3.4.3 Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., during the last five years (including Government initiated programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. and those organised in collaboration with industry, community and NGOs)

Response: 51

3.4.3.1 Number of extension and outreach Programmes conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., year-wise during the last five years

| 2019-20 | 2018-19 | 2017-18 | 2016-17 | 2015-16 |
|---------|---------|---------|---------|---------|
| 10 | 10 | 10 | 12 | 9 |

| File Description | Document |
|--|-------------------------------|
| Reports of the event organized | View Document |
| Number of extension and outreach Programmes conducted with industry, community etc for the last five years | View Document |
| Any additional information | View Document |

3.4.4 Average percentage of students participating in extension activities at 3.4.3. above during last five years

Response: 79.55

3.4.4.1 Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations such as Swachh Bharat, AIDs awareness, Gender issue etc. year-wise during last five years

| 2019-20 | 2018-19 | 2017-18 | 2016-17 | 2015-16 |
|---------|---------|---------|---------|---------|
| 821 | 1099 | 821 | 1208 | 1041 |

| File Description | Document |
|---|-------------------------------|
| Report of the event | View Document |
| Average percentage of students participating in extension activities with Govt or NGO etc | View Document |
| Any additional information | View Document |

3.5 Collaboration

3.5.1 Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship per year

Response: 196

3.5.1.1 Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship year-wise during the last five years

| 2019-20 | 2018-19 | 2017-18 | 2016-17 | 2015-16 |
|---------|---------|---------|---------|---------|
| 42 | 41 | 44 | 34 | 35 |

| File Description | Document |
|---|-------------------------------|
| e-copies of related Document | View Document |
| Details of Collaborative activities with institutions/industries for research, Faculty exchange, Student exchange/ internship | View Document |
| Any additional information | View Document |

3.5.2 Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the last five years

Response: 34

3.5.2.1 Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. year-wise during the last five years

| 2019-20 | 2018-19 | 2017-18 | 2016-17 | 2015-16 |
|---------|---------|---------|---------|---------|
| 2 | 9 | 8 | 5 | 10 |

| File Description | Document |
|---|-------------------------------|
| e-Copies of the MoUs with institution/ industry/corporate houses | View Document |
| Details of functional MoUs with institutions of national, international importance, other universities etc during the last five years | View Document |
| Any additional information | View Document |

NVAAC

Criterion 4 - 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 equipment etc.

Response:

NPR college of Engineering and Technology was established in 2008, has an impressive infrastructure with modern facilities, a good academic ambience, spread in a sprawling campus, lush green environment as per the prescribed norms of AICTE and Anna University. The total area of our institution is 14.92 acres and it's built up area is 26097.36 sq.m. The circulation area, the amenities area, the administrative area and the instructional area are more than the requirement prescribed by the AICTE and Anna University.

Classrooms:

The Institute has excellent ventilated 32 lecture halls, 7 tutorial halls, 7 seminar halls and 3 drawing halls. The lecture halls and Seminar Halls are provided with LCD Projectors and Wi-Fi Facility. The Institution is equipped with Smart Classroom facilities for all departments. The seminar halls, AC auditorium and open auditorium are used to conduct various curricular and co- curricular events.

Laboratories & Computers:

Institution has well equipped Laboratories and a workshop with safety measures such as fire extinguishers, Do's and Don'ts awareness boards. The College has exclusive Language laboratory attached with audio and video facilities. Our institution has sophisticated IT facilities with 600 computers with latest version of operating systems, Printers, Application Software, Projectors, 100 Mbps of Internet Bandwidth and secured Wi-Fi connectivity. All systems are protected with antivirus software. Student to computer ratio of 1.4:1 is being maintained. An updated website provides detailed information about the institution.

Library:

The Library with an area of 1377.52 sq.m is with a seating capacity of 100. The entire library is fully automated with Integrated Learning Management System - Auto Lib. The library is well stacked with 31,352 books related to Engineering & Technology, latest Magazines, National and International journals, Reference books, etc. The Institution has subscribed with various e-resources to access e-books, e-journals and thesis.

Additional Facilities:

The institution has an active placement cell which is headed by a qualified and experienced placement officer. Our college is visited by various Multi -National Companies every year and hence the college has an excellent placement record.

The institution provides separate hostel for boys and girls equipped with gym, hygiene and tasty food with proper mess facility. Institution provides ramps, special rest room facilities and wheel chairs for physically challenged students. All the important places are provided with fire extinguishers for safety precautions.

Institution provides hygienic and tasty food at affordable rates in our canteen. Separate common rooms and sick rooms for girls and boys, well maintained Transportation facility, Medical facilities by qualified medical professionals, 24 x 7 ambulance services and ATM through Axis bank has also been set up inside the campus. Good quality water is provided with proper water treatment system.

Diesel generators of 180 kVA gives power for the main block and 63 kVA gives power for Rear block, boys and girls hostel. Two Bio-gas plants of 15 kg installation capacity each are available in our campus. Solar panel of 35 kW capacities is installed in our college and gives power for the applications.

| File Description | Document |
|---------------------------------------|-------------------------------|
| Upload any additional information | View Document |
| Paste link for additional information | View Document |

4.1.2 The Institution has adequate facilities for cultural activities, sports, games (indoor, outdoor), gymnasium, yoga centre etc.

Response:

Cultural Activities:

The aim of this cultural event is to provide a platform for students to showcase their talents and organizational skills. They are encouraged to participate in inter and intra cultural activities. The institution auditorium is used for conducting cultural events/activities and co-curricular activities. The students participate in group Dance, Mime act, Drama, As you like it, Public speaking, Pencil drawing, Art from waste, Quiz Verse writing, Rangoli, fireless cooking during the Annual day, Youth day and women's day celebration through various clubs. Our college had conducted 'Students Talent Evaluation Program (STEP)', in which students from various colleges has participated. Cash prizes and merit certificates are distributed to the participated students.

Sports and Games:

Institute has employed well-qualified and experienced physical director, who trains and supervises students actively participating in various sports and games activities and competitions.

The department of physical education provides excellent sports facilities for the overall development of students. NPR Cricket Academy identifies talented, potential students among the under privileged and grooms them into professional cricketers.

There are well maintained outdoor grounds for Cricket (Turf wicket with grass out field and flood lights), Basketball, Football, Volley ball, shuttle and Athletics (Track and Field). A separate sports area is allotted for conducting other field events like Shot put, Discus Throw, Javelin Throw, Kho-Kho etc. Football zonal tournaments are also conducted in our college football field.

Our institute cricket ground was established on 12th September 2013 by **Indian Cricketer Mr.Gautam**

Gambhir. It is an artificial turf ground with a seating capacity of 5000 persons with necessary flood lights arrangements. Our turf cricket ground is venue for various matches like Ranji Trophy, Tamil Nadu Premier League (TNPL), first class cricket matches, Under 19, NPR T20 inter-school tournaments, Student premier league (SPL) and Staff premier leagues. Many international star cricketers like **Gautam Gambhir, Virender seh wag, yuvaraj singh, Harbhajan singh, VVS laxman, Dinesh karthic, L.Balaji, Brett Lee etc.**, visited our turf cricket ground and gave impressive feedback. NPR College of Engineering and Technology cricket ground is one of the state best cricket ground including Giant Video screen / Flood lights, Air-conditioned corporate boxes, Air-conditioned press box befitting any International stadium.

There are also dedicated spaces for Indoor sports including Chess and Carrom. The College also rewards with scholarships for outstanding achievers in sports. Students are encouraged to participate in various Zonal level and Inter Zonal level tournaments.

Gymnasium:

A fully equipped gymnasium separately for boys and girls are available in the campus. Students are encouraged to use it in the early morning and in the evening after college working hours.

Yoga:

The Yoga classes are conducted for students in our institution auditorium for the boys and girls separately during the forenoon session of Sundays regularly.

| File Description | Document |
|---------------------------------------|-------------------------------|
| Upload any additional information | View Document |
| Paste link for additional information | View Document |

4.1.3 Percentage of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc. (Data for the latest completed academic year)

Response: 92.31

4.1.3.1 Number of classrooms and seminar halls with ICT facilities

Response: 36

| File Description | Document |
|---|-------------------------------|
| Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template) | View Document |
| Upload any additional information | View Document |
| Paste link for additional information | View Document |

4.1.4 Average percentage of expenditure, excluding salary for infrastructure augmentation during last five years(INR in Lakhs)**Response:** 27.7**4.1.4.1 Expenditure for infrastructure augmentation, excluding salary year-wise during last five years (INR in lakhs)**

| 2019-20 | 2018-19 | 2017-18 | 2016-17 | 2015-16 |
|----------|----------|----------|----------|----------|
| 61.45840 | 91.69240 | 51.44574 | 74.33474 | 75.50348 |

| File Description | Document |
|--|-------------------------------|
| Upload Details of budget allocation, excluding salary during the last five years (Data Template) | View Document |
| Upload audited utilization statements | View Document |
| Upload any additional information | View Document |

4.2 Library as a Learning Resource**4.2.1 Library is automated using Integrated Library Management System (ILMS)****Response:**

NPR College of Engineering & Technology Library has spacious reading hall with seating capacity of 100 students. All the library activities are fully automated by the **AutoLib software including OPAC (Online Public Access Catalogue)** and barcode scanner is followed for circulation and gate entries etc. The Library is useful for faculty members, students and supporting staff of the college. The number of books issued will be varying according to the membership category.

The library has a rich pool of text and reference books, periodicals, journals, thesis/ dissertations, project reports, maps etc. and also CD/DVD-based/online learning materials. Books on almost all subjects according to the academic curriculum are available in the library. These books are classified according to Dewey Decimal Classification system with **31352 volumes** and **6037 titles** of recent and relevant books in every subjects by authors of national and international repute. Apart from this, the library subscribes to national and international periodicals. The management gives highest priority for its development and resource expansion.

The major resources and services for our library are Reference Services, Digital Library with multimedia facilities, NPTEL (National Programme on Technology Enhanced Learning) facility, Current Awareness Services, Referral Service, Selective Dissemination of Information, News Paper Clipping Services, CD ROM Lending, Inter-Library loan, Computerized indexing of library resources with Bar Code, Reprographic, Document scanning and printing facility, Audio visual, Internet, E-Books, E-journals & Educational oriented videos, Downloadable facility for previous year question papers, Standard

Classification & Cataloguing of books and non books and back volumes of Journals and Magazine. Our Institutional Memberships has DELNET, J-Gate, E-Shodh sindhu Membership, E-Shodhganga, Springer open and National Digital Library of India.

Digital Library:

Our institution library has 13 computer systems. Among that 9 computers are provided for digital section which is connected to high speed of 100 Mbps internet connection to access various on line e-journals, e-books, thesis, NPTEL videos etc.. In addition to this our institute library has projector facility. It also has NPTEL e-learning videos, DVD collections (Books and Microforms) for the benefit of student's reference.

| File Description | Document |
|---------------------------------------|-------------------------------|
| Upload any additional information | View Document |
| Paste link for Additional Information | View Document |

4.2.2 The institution has subscription for the following e-resources

- 1.e-journals
- 2.e-ShodhSindhu
- 3.Shodhganga Membership
- 4.e-books
- 5.Databases
- 6.Remote access to e-resources

Response: A. Any 4 or more of the above

| File Description | Document |
|--|-------------------------------|
| Upload any additional information | View Document |
| Details of subscriptions like e-journals, e-ShodhSindhu, Shodhganga Membership , Remote access to library resources, Web interface etc (Data Template) | View Document |

4.2.3 Average annual expenditure for purchase of books/e-books and subscription to journals/e-journals during the last five years (INR in Lakhs)

Response: 12.7

4.2.3.1 Annual expenditure of purchase of books/e-books and subscription to journals/e-journals year wise during last five years (INR in Lakhs)

| | | | | |
|---------|----------|---------|---------|---------|
| 2019-20 | 2018-19 | 2017-18 | 2016-17 | 2015-16 |
| 8.46844 | 39.83486 | 1.98321 | 5.35403 | 7.84566 |

| File Description | Document |
|---|-------------------------------|
| Details of annual expenditure for purchase of books/e-books and journals/e- journals during the last five years (Data Template) | View Document |
| Audited statements of accounts | View Document |
| Any additional information | View Document |

4.2.4 Percentage per day usage of library by teachers and students (foot falls and login data for online access) during the last completed academic year

Response: 17.72

4.2.4.1 Number of teachers and students using library per day over last one year

Response: 165

| File Description | Document |
|---|-------------------------------|
| Details of library usage by teachers and students | View Document |
| Any additional information | View Document |

4.3 IT Infrastructure

4.3.1 Institution frequently updates its IT facilities including Wi-Fi

Response:

IT Facilities:

Our Institute has a well equipped system for providing IT facilities. The IT infrastructure of the institute is maintained by trained and experienced professionals. Wi-Fi connectivity is provided in the administrative and academic areas. The Computer laboratories are equipped with state-of-the-art technology and are available to all the staff and students. The college has wifi hotspots with an extent to cover the area throughout the campus. It has been the epicenter of all networks and application needs of the institution since its inception and efficiently manages the core IT infrastructure.

In the entire campus, the LAN connects all the computers with 100 Mbps speed capacity. The staff rooms are either provided with LAN or Wi-Fi facility to enhance the teaching - learning process. Wi-Fi facility is also provided for both boys and girls hostels for enhancing their skills through online courses, projects and

for downloading extra study materials. Licensed Antivirus is used to enable the security of the computers. The firewall has been enabled to protect the users from unauthorized internet users from/to accessing private networks connected to the internet. Our institution has 600 computers and all departments software packages as per the curriculum needs.

The Computer laboratories are being upgraded from time to time to provide the best computational infrastructure to the students. The Infrastructure consists of backbone Fiber optic cable network of 2 kms connecting all the building blocks of the institution. The institute upgrades the software packages and also purchases software's currently being used in the industry to make the students, industry ready.

The ICT equipment of multimedia projectors, smart class room and surveillance cameras for campus safety and management. The institution has maintained the enterprise resource planning (ERP) software for academic management purpose. This system helps the college to collect, store and manage data effectively from various departments and units.

Computers:

Our Institution have 578 desktop computers for students usage and 22 computers for administrative purpose with core i3 Dual core Processors with 2 GB / 4GB RAM and 250 GB / 320 GB hard disk are available for Laboratory as well as Academic Purpose.

Softwares:

The institution has the system software's are Microsoft office campus license, ubuntu os, vista & linux. Some of the Application softwares are microsoft office professional, visual studio, Turbo C 4.5, Dos box, SQL cal, Microsoft publisher, Rational Rose Suite, Adobe CS 5.5, Adobe in design family CS 5.5, language lab in high class software, Mat lab software, Adobe photo shop, open stat, JASP which are used to continuously facilitate the operations of the various departments.

Upgradation:

Updating the Internet facility and services from time to time to cater the academic and research needs in the Campus. Consecutive system up gradation arrangements are incorporated on every year. Wi-fi access points were installed in various locations and updated constantly during regular intervals.

| File Description | Document |
|---------------------------------------|-------------------------------|
| Upload any additional information | View Document |
| Paste link for additional information | View Document |

4.3.2 Student - Computer ratio (Data for the latest completed academic year)

Response: 1:1

| File Description | Document |
|-----------------------------------|-------------------------------|
| Upload any additional information | View Document |
| Student – computer ratio | View Document |

4.3.3 Bandwidth of internet connection in the Institution

Response: A. 750 MBPS

| File Description | Document |
|--|-------------------------------|
| Upload any additional Information | View Document |
| Details of available bandwidth of internet connection in the Institution | View Document |

4.4 Maintenance of Campus Infrastructure

4.4.1 Average percentage of expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the last five years(INR in Lakhs)

Response: 14.13

4.4.1.1 Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component year-wise during the last five years (INR in lakhs)

| 2019-20 | 2018-19 | 2017-18 | 2016-17 | 2015-16 |
|----------|----------|----------|----------|----------|
| 29.07431 | 42.52103 | 28.82305 | 36.83715 | 42.81129 |

| File Description | Document |
|---|-------------------------------|
| Upload any additional information | View Document |
| Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates) | View Document |
| Audited statements of accounts | View Document |

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

Response:

The Institute ensures optimal allocation and utilization of the available financial recourses for maintenance

and upkeep of different facilities by holding regular meetings of various committees.

Laboratory maintenance:

Regular maintenance of machines and equipments make fit to operate at every working condition in all the laboratories. Scheduled maintenance is carried out periodically and breakdown maintenance are attended and rectified by the respective supplier or service provider according to the nature of the item. The maintenance crew of our institution attends the minor works either it may be electrical, electronic or mechanical problem. The system side discrepancies are attended and rectified by the system administration department of our institution. Daily maintenance activities like cleaning, lubrication, test runs etc. are carried out regularly by the lab assistants allotted for that particular lab. Damages formed in walls, floor tiles and water lines are handled by the maintenance team. Calibration of equipments is done whenever necessary.

Library maintenance:

Day to day activities of the library is monitored by the librarian and led by the Library Advisory Committee of the Institution. The AUTOLIB software available in our library enables easy access of the books, e-journals, e-books, issue and receipt of books to keep record of the holdings. The library has OPAC (Online Public Access Catalogue) for easy search of books. The librarian takes care of the maintenance activities related to books, computers, Uninterrupted Power Supply (UPS) and other learning materials through the institution's maintenance team.

Sports & Ground maintenance:

The Physical Director has the sole responsibility to take care of the sports equipments, issue and receipt to and from the students, maintenance activities related to athletics, volley ball, basket ball and foot ball courts and facilities inclusive of the indoor sports infrastructure such as shuttle court. Our Cricket Turf with international standards has been maintained by a separate, specialized and exclusive team in the maintenance of turf, pitch and draining facilities which enables to conduct Ranji Trophy, TNPL and many first class matches. Boys and girls hostels are provided with well equipped gymnasiums and maintained periodically.

Computers maintenance:

All the departments have computing laboratories provided with computers, printers, related license software's and internet connectivity. Hardware's and software's are periodically updated. Network related issues are carried out by the maintenance team. Regular weekly check up of all the computers to know the software and hardware conditions is done periodically. Any failure due to SMPS or boot loop is submitted through Service request form.

Class room maintenance:

Every semester before starting the regular classes all the class rooms are checked for attending repairs in the black boards, Dias, LCD projector, floor tiles and crumbling plaster walls in a usual manner. Furniture's are checked for squeaking and creaking noises and get rectified by the maintenance team.

Housekeeping maintenance:

Periodical cleaning of class rooms, staff rooms, seminar halls, auditoriums and libraries is taken care of by a separate team through which the cleanliness and hygiene of the campus is maintained.

Building maintenance:

The building and physical infrastructure are inspected periodically and maintenance is carried out as and when required. Maintenance works include plastering of walls, brick work, leakages/seepages in building, replacing broken tiles, damages in the fittings of windows and doors, window glass, partition (granite/marble) stones in the lavatories, leakages in water line pipe fittings, valves and water tank cleaning. Rodents and termites control is maintained throughout the buildings of all the blocks.

Electrical maintenance:

The in-house maintenance team of the college ensures the proper working of all electrical fittings, maintenance of generators, Public addressing system and other appliances inside the campus.

Transport maintenance:

Duty of drivers and scheduling of buses are carried out by the Transport manager. A separate workshop is available to carry out the minor repairs inside the college campus itself. Roadside service and breakdown coverage services are undertaken very rarely. Buses are provided with Fuel inside the campus with the help of the available mobile diesel dispenser truck. Students and faculty utilize the bus facilities in appropriate with the transport policy of the institute.

Garden maintenance:

The trees planted throughout the campus are irrigated with the treated water through drip system in the view of water conservation. The lawns and turf in the cricket ground also use this treated water partly. Cutting grass, removing the weeds, pest control and fertilizing is the regular works accomplished to keep it green and clean.

RO Water Plant maintenance:

All the blocks and hostels are provided with RO water facility. RO Consumables, membranes and filters, o-rings and anti-scalant chemicals which are to be recharged is covered within the Annual Maintenance Contract. Cleaning of the tank is done once in three months to prevent fouling smell and deterioration in the taste of the RO water.

Sewage Treatment Plant (STP) maintenance:

The capacity of the Sewage Treatment Plant is 2.5 lakh litres. The Plant is desludged and serviced every year by emptying the tank so that the maximum working life of the components is obtained without change in effluent quality. The dried sludge is used as manure for the nearby farms.

Air-conditioners and water coolers maintenance:

Periodical maintenance is taken for all the air-conditioners and water coolers available in our institution. Filters in the air conditioners and the tanks of the water coolers are cleaned every month.

Surveillance cameras maintenance:

For the security of the students and staff, surveillance cameras are fixed at vantage points inside the campus and continuously monitored.

Telecom/intercom maintenance:

Checking of intercom lines is carried out regularly and upon the complaints and feedback from heads of the departments it is rectified.

Fire protection maintenance:

Fire extinguishers are fixed at all important places in order to prevent fire accidents. They are recharged as per the schedule.

| File Description | Document |
|---------------------------------------|-------------------------------|
| Upload any additional information | View Document |
| Paste link for additional information | View Document |

Criterion 5 - Student Support and Progression

5.1 Student Support

5.1.1 Average percentage of students benefited by scholarships and freeships provided by the Government during last five years

Response: 88.57

5.1.1.1 Number of students benefited by scholarships and freeships provided by the Government year-wise during last five years

| 2019-20 | 2018-19 | 2017-18 | 2016-17 | 2015-16 |
|---------|---------|---------|---------|---------|
| 804 | 995 | 1142 | 1336 | 1527 |

File Description

Document

upload self attested letter with the list of students sanctioned scholarship

[View Document](#)

Upload any additional information Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years (Data Template)

[View Document](#)

5.1.2 Average percentage of students benefitted by scholarships, freeships etc. provided by the institution / non- government agencies during the last five years

Response: 15.14

5.1.2.1 Total number of students benefited by scholarships, freeships, etc provided by the institution / non- government agencies year-wise during last five years

| 2019-20 | 2018-19 | 2017-18 | 2016-17 | 2015-16 |
|---------|---------|---------|---------|---------|
| 38 | 372 | 234 | 212 | 83 |

File Description

Document

Upload any additional information

[View Document](#)

Number of students benefited by scholarships and freeships institution / non- government agencies in last 5 years (Date Template)

[View Document](#)

5.1.3 Capacity building and skills enhancement initiatives taken by the institution include the following

1. Soft skills
2. Language and communication skills
3. Life skills (Yoga, physical fitness, health and hygiene)
4. ICT/computing skills

Response: A. All of the above

| File Description | Document |
|---|-------------------------------|
| Details of capability building and skills enhancement initiatives (Data Template) | View Document |
| Any additional information | View Document |
| Link to Institutional website | View Document |

5.1.4 Average percentage of students benefitted by guidance for competitive examinations and career counselling offered by the Institution during the last five years

Response: 58.04

5.1.4.1 Number of students benefitted by guidance for competitive examinations and career counselling offered by the institution year wise during last five years

| 2019-20 | 2018-19 | 2017-18 | 2016-17 | 2015-16 |
|---------|---------|---------|---------|---------|
| 823 | 1021 | 475 | 484 | 505 |

| File Description | Document |
|--|-------------------------------|
| Number of students benefitted by guidance for competitive examinations and career counselling during the last five years | View Document |
| Any additional information | View Document |

5.1.5 The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases

1. Implementation of guidelines of statutory/regulatory bodies
2. Organisation wide awareness and undertakings on policies with zero tolerance
3. Mechanisms for submission of online/offline students' grievances
4. Timely redressal of the grievances through appropriate committees

Response: A. All of the above

| File Description | Document |
|--|-------------------------------|
| Upload any additional information | View Document |
| Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee | View Document |
| Details of student grievances including sexual harassment and ragging cases | View Document |

5.2 Student Progression

5.2.1 Average percentage of placement of outgoing students during the last five years

Response: 70.55

5.2.1.1 Number of outgoing students placed year - wise during the last five years.

| 2019-20 | 2018-19 | 2017-18 | 2016-17 | 2015-16 |
|---------|---------|---------|---------|---------|
| 184 | 253 | 339 | 376 | 368 |

| File Description | Document |
|---|-------------------------------|
| Upload any additional information | View Document |
| Self attested list of students placed | View Document |
| Details of student placement during the last five years (Data Template) | View Document |

5.2.2 Average percentage of students progressing to higher education during the last five years

Response: 23.08

5.2.2.1 Number of outgoing student progression to higher education during last five years

Response: 60

| File Description | Document |
|--|-------------------------------|
| Upload supporting data for student/alumni | View Document |
| Details of student progression to higher education (Data Template) | View Document |
| Any additional information | View Document |

5.2.3 Average percentage of students qualifying in state/national/ international level examinations during the last five years (eg: IIT-JAM/CLAT/ NET/SLET/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations, etc.)

Response: 60

5.2.3.1 Number of students qualifying in state/ national/ international level examinations (eg: IIT/JAM/ NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations, etc.) year-wise during last five years

| 2019-20 | 2018-19 | 2017-18 | 2016-17 | 2015-16 |
|---------|---------|---------|---------|---------|
| 07 | 04 | 0 | 02 | 0 |

5.2.3.2 Number of students appearing in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT,GRE/ TOFEL/ Civil Services/ State government examinations) year-wise during last five years

| 2019-20 | 2018-19 | 2017-18 | 2016-17 | 2015-16 |
|---------|---------|---------|---------|---------|
| 07 | 04 | 0 | 02 | 0 |

| File Description | Document |
|---|-------------------------------|
| Upload supporting data for the same | View Document |
| Number of students qualifying in state/ national/ international level examinations during the last five years (Data Template) | View Document |
| Any additional information | View Document |

5.3 Student Participation and Activities

5.3.1 Number of awards/medals won by students for outstanding performance in sports/cultural activities at inter-university/state/national / international level (award for a team event should be

counted as one) during the last five years.

Response: 8

5.3.1.1 Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national / international level (award for a team event should be counted as one) year-wise during the last five years.

| 2019-20 | 2018-19 | 2017-18 | 2016-17 | 2015-16 |
|---------|---------|---------|---------|---------|
| 1 | 3 | 1 | 1 | 2 |

| File Description | Document |
|---|-------------------------------|
| Number of awards/medals for outstanding performance in sports/cultural activities at university/state/ national/international level during the last five year | View Document |
| e-copies of award letters and certificates | View Document |
| Any additional information | View Document |

5.3.2 Institution facilitates students' representation and engagement in various administrative, co-curricular and extracurricular activities following duly established processes and norms (student council, students representation on various bodies)

Response:

Our college makes certain that the participation of our students in the various academic and administrative bodies including co-curricular and extra-curricular activities by creating an opportunity to simplify their comprehensive development. Under the support of all the departments, competitions are organized every year. Students are prepared to participate in the on-campus and off-campus placement drives and fests in inter-college, University, National and International levels. Thus student involvement is a method of disclosing the spirit of participatory management.

The college has an Academic Council, which meets every semester, comprises of student representatives also. This provides avenues to suggest the academic requisites of the students in the council directly for uplifting their career through the advancement of technical skills, updating knowledge, personality development and service to the society. Students' representatives are present in the Internal Quality Assurance Cell which enhances the quality and sustenance of academic requirements. As per the regulations of the University, Class Committee meeting will be held twice every semester which encompasses a minimum of two student representatives. During these meetings, the student members represent the entire class interact and express the opinions and suggestions of the class students to enhance

the effectiveness of the teaching-learning process. In addition to that, some specific issues which need the attention of the management can be put forward and get settled.

In our institution, students who belong to higher semesters and first year (fresher) are also involved in the Anti-ragging committee constituted every year for giving counselling of both junior and senior students as well as to educate them about what constitution tells about ragging and the need for its complete elimination as per the latest UGC guidelines. In all department students associations, students are appointed as office bearers with titles such as Secretary, Joint-Secretary, Treasurer and Members every year. They take the responsibilities of all activities related to the functions conducted in our institution such as delivering welcome address, vote of thanks, introduction followed by honouring of chief guest and comparing.

Students interact with the Alumni during their visit to the college and acquire knowledge about the industries they work and prevailing opportunities. This significant makes students identify the actual skills required in industries which are mandatory to learn for getting recruitment. These requirements will be submitted in the Academic Council and IQAC meetings through the students' representatives directly conducted every semester. Many students get the opportunity to act as a team leader in the third year Mini Projects and Final Year Main projects in all departments.

Students take part in the National Social Service (NSS) as volunteers and carry out activities such as blood donation camps, road safety awareness, health awareness, environmental awareness and tree plantation programmes. Moreover, they visit local villages and conduct cleaning programmes as per Swachh Bharath schemes. Youth Red Cross (YRC) student volunteers undertake activities during the celebrations of Yoga day and Youth day every year to create and train social responsibility, protection of health as well as developmental and moral capacities.

| File Description | Document |
|---------------------------------------|-------------------------------|
| Upload any additional information | View Document |
| Paste link for additional information | View Document |

5.3.3 Average number of sports and cultural events/competitions in which students of the Institution participated during last five years (organised by the institution/other institutions)

Response: 53.6

5.3.3.1 Number of sports and cultural events/competitions in which students of the Institution participated year-wise during last five years

| 2019-20 | 2018-19 | 2017-18 | 2016-17 | 2015-16 |
|---------|---------|---------|---------|---------|
| 109 | 44 | 45 | 28 | 42 |

| File Description | Document |
|---|-------------------------------|
| Upload any additional information | View Document |
| Report of the event | View Document |
| Number of sports and cultural events/competitions in which students of the Institution participated during last five years (organised by the institution/other institutions (Data Template) | View Document |

5.4 Alumni Engagement

5.4.1 There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services

Response:

Alumni Association of NPR College of Engineering & Technology plays an important role in the development of the institution. Alumni are invited for all the functions organized in the college. Alumni conduct guest lectures and seminars in their expertise for the beneficiary of the present students. They help in arranging appropriate resource persons for the functions organized in the various departments of the college from corporate sectors and required industries. The participation of Alumni in the fresher's orientation program gives confidence and develops interest to study well and give rise to the thirst of technical knowledge of the students. Consequently, the proficiency in academics gets improved.

Alumni interaction with our students enhances the students' knowledge about existing industry life, current trends, prevailing opportunities and challenges in industries. The motivation given by Alumni transforms the fresh graduates made pro-active. Alumni helps in getting permission for the projects, in-plant training and internship for our students thereby develops the bond between industry and academia. Alumni enhance students' employability by the references for jobs in industries where they are working from time to time. The success stories of Alumni motivate and guide the students of higher semesters to think on self-employment to become entrepreneurs.

Alumni, being part of the member of the Internal Quality Assurance Cell and Academic council provides valuable feedback in enhancing the curriculum by identifying the gap between the education offered and the latest developments in industries and to resolve it by giving suggestions about the requirements of students in academics and the skills required to get into the industries and further for survival.

Alumni association helps to create network with their batch mates, friends and faculty during admissions. The management tries to maintain a life-long relationship between the institute and its alumni to support the current students for their overall development. The database of the Alumni is maintained in the institution and updated periodically to get in touch with them. Alumni association encourages long-lasting interest in the process and development of Institute.

Alumni mentor present students about the necessity and significance of higher studies particularly for

research and development work in various fields like engineering, computer, Industrialization, etc. They encourage and support students of the Institute in sports, cultural and extra-curricular activities. They assist in the training programs in entrepreneurship development, with resources available with association. Moreover, Alumni in this locality assist in the arrangements related to the conduction of social programmes through NSS for blood donation and health awareness camps.

The Alumni interaction with our faculty enables them to know about a clear picture of the present day industrial scenario in the aspects of current technology, systems followed in production, service, maintenance, quality, product development and the challenges faced by the industries. This helps the faculties to teach the students about what is required in the industries and to meet out the requirements which improve the employment of students.

| File Description | Document |
|---------------------------------------|-------------------------------|
| Upload any additional information | View Document |
| Paste link for additional information | View Document |

5.4.2 Alumni contribution during the last five years (INR in lakhs)

Response: E. <1 Lakhs

Criterion 6 - Governance, Leadership and Management

6.1 Institutional Vision and Leadership

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

Response:

The Governing council and Academic Council comprising eminent Academician, Industries experts derive the operation of the Institution. The Vision and Mission statement of NPR College of Engineering & Technology has been structured based on the views collected from various stakeholders. The governance promotes the realization of the mission and the vision with which the institution was established.

College Vision

To develop the students with intellectual curiosity and technical expertise to meet the global needs.

College Mission

To achieve academic excellence by offering quality technical education using best teaching techniques

To improve industry-Institute interaction and expose industrial atmosphere

To develop interpersonal skill along with value based education in a dynamic learning environment

To explore solution for real time problem in the society

NPR College of Eengineering& Technology, Natham was established by Titan Educational Trust in the year 2008 to provide accessible empowering education in Engineering in a rural background of Natham, Dindugul (dt), Tamilnadu. In a lush green campus, the Institution environs promote academic excellence and holistic growth. To offer state of the art infrastructure for under graduate and postgraduate students. Quality technical education to rural students to inculcate innovation and creativity among student community to become successful entrepreneurs with professional ethics, leadership qualities and social responsibilities. Our institution constantly endeavours excellence in technical education through sound pedagogical methods to produce top-notch professionals with enduring human and ethical values.

Governing Council is convened once in a year to review the progress of the institute and approve the recommendations of the Academic Council. The management of the institute is assisted by Principal, Heads of the Departments, faculty and staff members to enhance the quality. The Principal takes decisions in the academic frontiers in tune with the Vision and Mission of the institute as well as the regulations of the Anna University, Chennai.

The Principal of Institute is assisted by HODs, Faculty and coordinators of various committees to prepare the academic calendar before the commencement of the academic year for providing quality education through leading-edge technology. HoD's conduct faculty meetings at regular interval to monitor the smooth functioning of the Department. HoD's will prepare the department academic calendar by getting suggestion from the faculty members.

The Institute believes in promoting a culture of delegation of powers through strategic policies. The perspective plan of the institute is to update existing infrastructure facility, library resources, ICT class rooms and development of industry powered laboratories for achieving academic excellence.

Faculty and staff are assigned with the roles and responsibility to work in a harmonious environment with complete transparency. The Management, Governing council, Academic council collectively takes necessary steps to accomplish the Vision and Mission of the institution, IQAC has developed to ensure quality benchmarks of academic and administrative activities

| File Description | Document |
|---------------------------------------|-------------------------------|
| Upload any additional information | View Document |
| Paste link for additional information | View Document |

6.1.2 The effective leadership is visible in various institutional practices such as decentralization and participative management

Response:

NPR College of Engineering & Technology totally believes in decentralization and participative management in every aspect of institute functioning. Institute has a culture of recognizing each and every staff member and their opinions. The institute has an organization structure that includes Governing Council, Principal, Heads of departments, Exam Cell In-charge / Coordinator, faculty members, office superintendent, librarian and non-teaching staff and other various committees.

The Institution is governed by a well-defined quality policy through the Governing Council. Top Management plays the role of facilitator in design and implementation of its quality policy and plans. The Management provides adequate financial support for the sustenance of the academic and administrative infrastructure. The Institution supports a trend of decentralized governance system with proper and well defined interrelationships

The Principal ensures that all the Rules and the Regulations of the AICTE and Anna University are observed. The Principal provides academic leadership and associates with HoD's and evolves strategies for the academic growth. He convenes review meetings and performance appraisal meetings by considering the academic situation of the institution. All the representatives related to academics, co-curricular and extra-curricular activities are taken care by the Principal. He reviews the progress in all domains of the institution for quality sustenance and enhancement .The Principal plays a pivotal role in bridging the network between the Management, the Governing Council members and other stakeholders. Under the direct supervision of Principal, all the departments activities focused towards our college Vission and Mission.

Head of the Department monitoring all the activities and work progress of the department and commences department meetings, organize class committee meetings, mentor meetings and parent teachers meeting to review the progress of the students. HOD plans the timetable, teaching methodology and allocates the responsibilities to the respective faculty members to organize seminars, workshops, conferences and guest

lectures with the approval of Principal. HOD plans and executes the Industrial Visit, In Plant Training and Internship of the students. HOD acts as the coordinator for the committees formed during the Graduation day, College day, Sports day and Fresher's day. HOD prepares the annual budget for the department which is approved by the Principal, Management and Governing council. The faculties act as conveners or members of the various committee/cells of the institution and deploy the strategic plan of the institution.

The students participate as member in the SC/ST Committee, Antiragging Committee, Grievance and Redressal Cell, Academic Council and IQAC meetings and participate in the deployment of the institution. The Alumni students interacting with the department students to impart knowledge about present day technologies and requirements of industries. In parent teachers meeting, parents suggest ideas for the improvement of the institution, in turn, it helps to attain our Vision and Mission of the Institution.

Thus, decentralization helps in effective and quality transformation of education to the students. The participative culture helps to ensure transparency in both academic and administration.

| File Description | Document |
|---------------------------------------|-------------------------------|
| Upload any additional information | View Document |
| Paste link for additional information | View Document |

6.2 Strategy Development and Deployment

6.2.1 The institutional Strategic / Perspective plan is effectively deployed

Response:

Institution has a perspective plan based on the Vision and Mission of the college for a period of five years. Perspective plan is very much essential for sustainable growth of any organization. NPR College of Engineering & Technology is very much keen in providing excellent ambience for learning, lush green and eco-friendly campus. The organization is committed to provide very good infrastructure, experienced and qualified faculty. The Management of the Institution always aims for all round quality education for the students. Placement training programs enhance the student skills to meet the industry requirements. Regular monitoring system to counsel the students for both academic and non-academic issues. At regular intervals the management invites eminent personalities from the Industry, Academia for a brain storming session to achieve the long term goals of the Institution.

The Long term Goals:

- To orient faculty towards research and pursuing Ph.D
- Research Centres for all the departments
- To attain 100% Placements.
- To attain NAAC accreditation with A Grade
- To attain NBA accreditation for all departments.

Strategic Perspective Plan (SPP)

IQAC prepares SPP at the beginning of each semester keeping in view of University Academic Calendar and Institutional Academic Calendar and gets the approval of the Governing Council. The strategic plan of the college has been developed and involves all the stakeholders by adopting a participatory approach both at institutional and department level. The aim of the plan is to develop with excellence by optimum utilization of resources. The Principal, being the Chairman of IQAC, takes all the necessary steps to deploy the approved SPP.

Heads of the Departments effectively conduct all academic as well as non-academic activities, as per the plan at the departmental level. Co-curricular and Extra-curricular activities as per the SPP are effectively deployed by various committees. Deployment of SPP's by the Departments, Committees / Cells / Clubs is monitored through the Annual Report submitted at the end of every Academic Year. A careful analysis is made of all the reports to decide further course of action.

The primary vision is to develop the students with intellectual curiosity and technical expertise to meet the global needs.

The institute has following perspective strategic plans for five years:

- To improve our Institution as Green Environment campus.
- To add new Under Graduate courses for developing the institution.
- To get NAAC Accreditation with "A" Grade.
- Autonomy of the Institution.
- To motivate all the faculty members to register PhD.
- To harvest solar energy for functioning the college.
- To organize National / International seminars on research related themes.
- To implement effective use of ICT enabled learning system.
- To increase the number of smart classrooms for the students.
- To receive funds & Grants from Government and Non-Government organizations.
- To achieve NIRF Ranking within 300 Colleges.
- To set up the incubation centre and offer consultancies.
- To set Professional Laboratory collaboration with the Companies providing MOU
- To get placements in Tyre-I/Core companies for the students.

| File Description | Document |
|--|-------------------------------|
| Upload any additional information | View Document |
| strategic Plan and deployment documents on the website | View Document |
| Paste link for additional information | View Document |

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

Response:

NPR College of Engineering & Technology (NPRCET) was established by Titan Education Trust in the year 2008. It is a self-financing Engineering college approved by AICTE and affiliated to Anna University, Chennai. NPRCET noble aim is bringing students especially from the rural areas into the fields of Engineering and Technology.

As per AICTE Norms the Governing Council is functioning under the Managing trustee and Principal of the College for effective Administration and Control. The Governing Council comprises of Members and is represented by Managing Trustee of the Institute. The Governing Council meeting held once in a year. The Governing Council gives constructive suggestions to the management for effective decision making and to meet the Vision and Mission of the Institution with Consideration of stakeholder's suggestion. All important policy decisions discussed and finalised in the Governing Council meeting.

The Governing Council responsible for framing the policy, rules and regulations to be implemented by the Institutions. The Governing council is responsible for Strategic planning and development of the Institution. Governing council ratify the decisions taken by the Principal in consultation with the HODs regarding faculty requirements, staff requirements, laboratory requirements, library requirements, value added programs, disciplinary action, addition of new programmes, Increase or reduction of intake, winding up / closure of programmes, other suggestions related to placement, academic activities, co-curricular activities and extra-curricular activities.

The Principal is responsible for the co-ordination of all the Academic activities, Co-curricular and Extra-curricular activities in accordance with the norms and standards prescribed by AICTE, Anna University and the Government of Tamil Nadu. He is responsible for tuition fees, transport fees and student scholarships. Head of the Department is responsible for all the academic activities, co-curricular and extra-curricular activities of the concerned department. The placement officer is responsible for all the activities relating to the students placement like training programmes, interacting with various MNC companies, industries and organising Placement drives. The Librarian maintains the documentations of books, journals, newspapers, magazines & library materials and purchase of books and journals. Exam-Cell In charge is responsible for all registers and records concerning the examinations and conducting of examinations for theory and practical courses.

The organogram hosted in the website represents the administrative hierarchy of the institute. Administrative set up of the institution is publicized in the organization chart of the institution. The hierarchy is maintained as per the organogram and responsibilities are carried out at all the levels.

Various statutory and non-statutory committees are constituted to share the responsibilities for the orderly functioning of the Institution under the guidance of the Principal.

STATUTORY & NON-STATUTORY COMMITTEES

- Governing Council
- Academic Council
- IQAC
- Grievance Redressal Committee
- Internal Complaint & Committee (Anti-Sexual Harassment Committee)
- Academic Audit Committee

- Anti-Ragging Committee
- Women Development Cell
- Entrepreneur Development Cell
- SC/ST Committee

| File Description | Document |
|---|-------------------------------|
| Upload any additional information | View Document |
| Paste link for additional information | View Document |
| Link to Organogram of the Institution webpage | View Document |

6.2.3 Implementation of e-governance in areas of operation

1. Administration
2. Finance and Accounts
3. Student Admission and Support
4. Examination

Response: A. All of the above

| File Description | Document |
|---|-------------------------------|
| Screen shots of user interfaces | View Document |
| ERP (Enterprise Resource Planning) Document | View Document |
| Details of implementation of e-governance in areas of operation, Administration etc | View Document |
| Any additional information | View Document |

6.3 Faculty Empowerment Strategies

6.3.1 The institution has effective welfare measures for teaching and non-teaching staff

Response:

The Faculty and the Staff is the most important associate of any organization. The role of teaching and non-teaching staff plays a significant role in the establishment and development of the Institution. Institute has various welfare measures to encourage and empower the faculty members. The effective measures support them to meet their academic and personal goals. The Institute understands their necessities and gives importance to the fruitfulness of the staff.

The management of the Institution is committed to provide quality embedded human resource in place and takes care of the welfare of its staff. The teaching and non-teaching staffs are regularly trained to add value to the worth of the human resources. Regular Faculty developments Program are conducted for both the teaching and non-teaching staff members. All the employees both Teaching, non-Teaching and staff including the students are given free consultation for treatment and covered under Group medical Insurance. Institution is executing many effective schemes for the welfare of employees

The following are a few of the welfare measures.

- Medical leave, Maternity leave & Marriage leave to all eligible staff
- Sponsorship for attending seminars, workshops, FDPs, and presenting papers in National / International conferences
- Group Insurance for all faculty
- Free medical check-up for faculty
- Incentive for faculties Completed Ph.D in Engineering, Science & Humanities.
- Cadre promotion for the faculties
- Incentive for publication of papers / research articles in reputed journals.
- Awards for academic excellence for getting 100% pass percentage.
- Causal leave/Compensatory Leave / Summer Vacation / Winter Vacation to all eligible faculties.
- Interest Free Loan in case of Marriage / Emergency Situations
- On duty for faculties pursuing Ph.D.
- Granting on-duty leave to the faculty to attend viva-voce for Ph.D and to act as resource persons in other Institutions
- Fee waiver for Faculties Children in the College run by Management
- Subsidized mess Fee for all Faculty in the Hostel
- Faculty members opting to stay in hostel are given free accommodation.
- An employee provident fund is provided for all teaching and non-teaching staff members.
- Free transport for all staff members
- Gifts are given to the faculty members for Diwali celebration
- Grand teacher's day celebration in order to honour the teachers and compliments will be given with special lunch
- Staff family get together with management yearly once
- Yearly Best Teacher Award is provided from Titan Educational Trust.
- International Women's Day is celebrated in our college, every year on the eight day of March
- Uniform is provided at free of cost to all Non-Teaching Staffs.

| File Description | Document |
|---------------------------------------|-------------------------------|
| Upload any additional information | View Document |
| Paste link for additional information | View Document |

6.3.2 Average percentage of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the last five years

Response: 42.96**6.3.2.1 Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies year wise during the last five years**

| 2019-20 | 2018-19 | 2017-18 | 2016-17 | 2015-16 |
|---------|---------|---------|---------|---------|
| 45 | 62 | 71 | 42 | 43 |

| File Description | Document |
|--|-------------------------------|
| Upload any additional information | View Document |
| Details of teachers provided with financial support to attend conference, workshops etc during the last five years | View Document |

6.3.3 Average number of professional development /administrative training programs organized by the institution for teaching and non teaching staff during the last five years**Response:** 12.4**6.3.3.1 Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff year-wise during the last five years**

| 2019-20 | 2018-19 | 2017-18 | 2016-17 | 2015-16 |
|---------|---------|---------|---------|---------|
| 13 | 12 | 14 | 12 | 11 |

| File Description | Document |
|--|-------------------------------|
| Upload any additional information | View Document |
| Reports of the Human Resource Development Centres (UGC ASC or other relevant centres) | View Document |
| Reports of Academic Staff College or similar centers | View Document |
| Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff | View Document |

6.3.4 Average percentage of teachers undergoing online/ face-to-face Faculty Development Programmes (FDP)during the last five years (Professional Development Programmes, Orientation /

Induction Programmes, Refresher Course, Short Term Course).**Response:** 54.35**6.3.4.1 Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course year-wise during the last five years**

| 2019-20 | 2018-19 | 2017-18 | 2016-17 | 2015-16 |
|---------|---------|---------|---------|---------|
| 92 | 55 | 68 | 34 | 83 |

| File Description | Document |
|--|-------------------------------|
| Upload any additional information | View Document |
| Reports of the Human Resource Development Centres (UGC ASC or other relevant centers) | View Document |
| IQAC report summary | View Document |
| Details of teachers attending professional development programmes during the last five years | View Document |

6.3.5 Institutions Performance Appraisal System for teaching and non-teaching staff**Response:**

A good performance management system works towards the improvement of the overall organizational performance of teams and individuals for ensuring the achievements of the overall organizational Mission and Vision. An effective Performance appraisal management system plays a crucial role in managing the organization in an efficient manner. The performance are classified as Teaching - Learning and Evaluation related activities, Co and extra-Curricular activities, Extension activities , Professional Development activities , Research Publications and Academic Contributions

At the end of each academic year, the data's are collected from each faculty members. Based on the data collected, performance scores are calculated. The Principal in consultation with Head of the Department fix certain minimum Performance scores to be achieved by the faculty members. These scores are used for the award of career advancements to faculty members and for promotion to next higher position.

Further, at the end of each semester, feedback forms are issued to the students for each of the courses attended by them. The feedback forms in the form of questionnaire collect information about the teacher and different aspects pertaining to the teaching process. The Head of the Department goes through the feedback forms collected from the students and suggest suitable measures to improve the teaching-learning process.

The salient features of the Performance appraisal system are as follows:

Teaching Staff

It's mandatory for all the faculty members to complete their prescribed format of self-appraisal every year by using NPRCET Self-Appraisal form. It provides the involvement of faculty members and their effective presence in the department/college level. Self-appraisal is prepared on the basis of these facts.

- Subject Skills
 - Students feedback report from HOD
 - University Examination results
 - Counselling and interacting with the students
 - Participation in FDP / Seminar / workshop
 - Journal publication
 - Fund Received or applied for Research work/ Patents / Workshops
 - Quality of Projects
 - Any Extra-curricular Activities
- **Non-Teaching Staff**

The Support of Non-teaching staffs is the backbone of all the basic activities in training process. The responsibilities of the non-teaching staff are also assessed. Non-Technical staff performances are evaluated by filling their NPRCET Self-appraisal form for Non-Teaching staff. It is a value based assessment by collecting the values of each performance. The parameters for assessment are as follow:

- Training Support
- Involvement in Higher Studies
- Skills development
- Housekeeping and adapting safety practices
- Dress Code & Neatness
- Active participation in the team work
- Counseling Activities

The Annual Confidential Report and the Performance Appraisal System has significantly helped in the evaluation of the performance of employees, in motivating them, analyzing their strengths and weaknesses and ensuring better performance.

| File Description | Document |
|---------------------------------------|-------------------------------|
| Upload any additional information | View Document |
| Paste link for additional information | View Document |

6.4 Financial Management and Resource Mobilization

6.4.1 Institution conducts internal and external financial audits regularly**Response:**

Internal Audit is performed by officials deputed from Trust office periodically internal audit is conducted every three month once. External Audit is organized yearly twice.

Internal Audit

The internal audit is an on-going continuous process. Qualified Internal Auditors from external resources have been permanently appointed and the teams of staff members do a thorough quarterly basis check and verification of all payments, receipts & journals vouchers of the transactions cash books, ledger account review that are carried out in each financial year on an accrual basis system. The team of Qualified Internal Auditors conducts a thorough check and verification of all financial transactions with the supporting documents and approval of proper authority for each transaction. The expenses incurred under different heads are thoroughly checked by verifying the bills and vouchers.

External Audit

The external auditor appointed by the college performs audit of the financial statements of the college. The financial records are audited by qualified chartered accountants after the end of each financial year is certified income & expenditures, balance sheet and prepared notes to accounts are certified. Statutory financial audit of Institute is conducted in two sessions, first in the month of October/November/December for period of six months starting from 1st April to September and second in the month of May/June for the period from October to March. Finalization of account is completed in June and audited statement is prepared in July. All accounting systems are accrual basis computerized and maintained on Tally.

| File Description | Document |
|---------------------------------------|-------------------------------|
| Upload any additional information | View Document |
| Paste link for additional information | View Document |

6.4.2 Funds / Grants received from non-government bodies, individuals, philanthropers during the last five years (not covered in Criterion III)**Response: 0**

6.4.2.1 Total Grants received from non-government bodies, individuals, Philanthropers year wise during the last five years (INR in Lakhs)

| 2019-20 | 2018-19 | 2017-18 | 2016-17 | 2015-16 |
|---------|---------|---------|---------|---------|
| 0 | 0 | 0 | 0 | 0 |

| File Description | Document |
|--|-------------------------------|
| Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the last five years | View Document |

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

Response:

The College has a well-defined organization set up, headed by the Principal who has financial and administrative powers. Before the commencement of the financial year, HODs of respective department submit proposals regarding expenditure corresponding to the projected income for an academic year which is scrutinized by the Principal and thereafter a consolidated budget is placed before the Management for approval. Principal apprises the departments of the allocation, that re-appropriation of budget outlays are avoided or kept to the minimum.

Departments avail the financial resources within the given limit. The institution maintains a reserve corpus fund which is used as matching grants for developmental purposes. The funds are utilized for approved academic expenses and administrative expenses as per the norms. Major proportion of funds is allocated for remuneration to the teaching professionals and administrative staff members. For optimal utilization of financial resources, expenditures are prioritized as follows:

- To conduct Induction-cum-Orientation Programs for the students, workshops, FDPs, training programs that ensures quality education.
- Adequate funds are utilized for development and maintenance of infrastructure of the Institute towards upkeep of the fixed assets, repairs & maintenance of classrooms, laboratories and administrative areas etc.
- Funds are also allocated towards security, firefighting charges, water purifying, Annual maintenance Charges, etc. for regular upkeep of the campus,
- To conduct student activities like Guest lectures, technical competitions, cultural activities, literary events, seminars, workshops, placements, study notes and study material printing etc.
- University expenditure towards Registration fees, Examination fees, etc.
- Funds are allocated to encourage research and development activities and for enhancing library facilities like subscriptions to Books/ Journals/ Periodicals/ Magazines.

Purchases are made with the recommendations of duly constituted with Principal, HOD, representative form the Management. The amounts withdrawn from the banks follow a systematic mechanism of obtaining the approval at various levels. If any expenditure is made beyond sanctioned budget, it gets ratified. The financial statement, Income and Expenditure details are available through Profit and Loss Account, Balance Sheet and Ledgers, and duly audited by Statutory Auditors.

| File Description | Document |
|---------------------------------------|-------------------------------|
| Upload any additional information | View Document |
| Paste link for additional information | View Document |

6.5 Internal Quality Assurance System

6.5.1 Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes

Response:

The Internal Quality Assurance Cell (IQAC) constituted in the month of on 2017 to monitor the quality of services being provided by the institution to its stakeholders. An IQAC committee is constituted and approved by the governing body to take care of Quality assurance strategies and processes. IQAC works on realization of the goals of quality enhancement initiatives and focus on internalization and institutionalization.

IQAC in its inaugural meeting decided to review all the quality initiatives. The focus area of the IQAC is

- To realise Mission and Vision of the institution.
- Documenting the quality assuring strategies
- Defining the POs
- Institutionalizing the quality policies
- Continuous improvement in the strategies after thoroughly assessing the attainment.
- Redefining the new goals and observing the attainment level

Objective:

- To develop a system for conscious, consistent and catalytic action to improve the academic and administrative performance of the institution
- The Internal Quality Assurance aspects of the college, especially regarding the teaching-learning process has for several years been under the purview of the Academic Committee of the college
- Development of quality benchmarks for the various academic and administrative activities of the institution.
- The best practices institutionalized as a result of IQAC initiatives are

Faculty Development Programs

FDP is one of the initiatives of IQAC for improving the quality of the faculty. Faculty development Programs are focused to improve their skills in the following areas: (1) Teaching and Learning, (2) Outcome Based Education, (3) Research and Development, and (4) Personality Development. Institute has been organizing Faculty Development Programs (FDPs) at institute level for all the department faculty members and department level FDPs for department faculty members on their specific areas. Faculty Development programs help to strengthen the professional and administrative skills of the faculty members which leads to quality teaching - learning and evaluation system and academic performance. Faculty members are permitted to attend the FDPs conducted from other colleges to update and get touch with

subject experts in turn it will reflect the beneficiary of the students

Mentoring Activities for Students and Staff

Mentoring student is a unique feature of our institution. It is a process of creating a supporting relationship with faculty, parents and students aimed at comprehensive development of students. In this activity, Mentor helps the student to bring them to a higher level of experience for values of life. Mentoring helps to shape an individual's beliefs and values in a positive way. There are many benefits of mentorship in student development that includes improving communication skills, interpersonal relationship, technical, verbal and leadership skills along with creative thinking and motivating students for extracurricular activity. IQAC initiated the Faculty Development Program to meet the requirements of Mentoring. The Mentors interact with Physician and get broadened their knowledge to understand the problems of student mentees. A meeting of faculty and student (Mentor and Mentee) is conducted every semester on regular basis and informally at various occasions according to the necessity. Observations of the students are recorded and analyzed.

| File Description | Document |
|---------------------------------------|-------------------------------|
| Upload any additional information | View Document |
| Paste link for additional information | View Document |

6.5.2 The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities (For first cycle - Incremental improvements made for the preceding five years with regard to quality For second and subsequent cycles - Incremental improvements made for the preceding five years with regard to quality and post accreditation quality initiatives)

Response:

IQAC Constituted in 2017 with the intention of quality improvement strictly adheres to its purpose by actively involving in holistic all-round development of the college. Committee consists of senior faculty as its members along with representatives from industry, management etc. Chairperson being the Principal and the coordinator will be the senior professor. Institutional reviews and implementation of teaching learning reforms initiated by IQAC on Outcome-Based Education and Academic auditing

Internal academic audit

IQAC conducts an internal academic audit in a semester and takes appropriate remedial actions to improve the quality of technical education. During the audit of course files, the University syllabus and lesson plan of the corresponding subjects are verified. CO-PO Mappings, CO attainments, and lecture notes of the corresponding subjects are verified.

Course materials & lab manuals are prepared and the mode of delivery of lectures by faculty members before the commencement of semester

Academic planner for every semester is prepared as per Anna university norms and it will be disseminated in the college website so that all faculty members can plan the academic works well in advance.

The academic committee during their random observation of the lectures checks delivery of course material as per the lesson plan, teaching aids used, communication skills and classroom management etc.

For the lab courses, the academic committee checks the method of conduction of the experiments which includes design, implementation, observation, etc. The lab records of the students are also checked randomly to ensure the effectiveness

The committee verifies few of the answer sheets of internal assessment test randomly for all the subjects. The entries made in the subject log book of the faculty members are also verified.

| File Description | Document |
|---------------------------------------|-------------------------------|
| Upload any additional information | View Document |
| Paste link for additional information | View Document |

6.5.3 Quality assurance initiatives of the institution include:

1. Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analysed and used for improvements
2. Collaborative quality initiatives with other institution(s)
3. Participation in NIRF
4. any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)

Response: B. 3 of the above

| File Description | Document |
|--|-------------------------------|
| Upload e-copies of the accreditations and certifications | View Document |
| Upload details of Quality assurance initiatives of the institution | View Document |
| Upload any additional information | View Document |
| Paste web link of Annual reports of Institution | View Document |

Criterion 7 - 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 last five years.

Response:

GENDER EQUITY

1. SAFETY AND SECURITY

Women Development and Gender Equality are the most important requirements for the enlistment and progress of our nation. In the effort to make NPR College of Engineering & Technology a strong kernel of gender equity, the Women Development Cell (WDC) has been constituted in 2013. The WDC has both the faculty and students of the College as its members and works with an aim to create a gender sensitized community within the campus as well as in the society.

WDC has been organising varied academic, technical, medical, cultural and social events for the upliftment of women and spread the real importance of gender equality in the society through the College students. WDC will look after the welfare of the women employees and students, facilitate redressal of their grievances and shall cater to the issues/grievances concerning women employees and students. Issues or grievances can register through our website also available. Anti Sexual harassment monitoring is also a major role of WDC. Motivational programs are organized to improve the self confidence and better living.

WDC will organize various programmes to ensure that wherever possible, the aspect of women's development was promoted through these programmes and a component for women's development is introduced in all the activities. To bring out the hidden talents of the girls students, they are encouraged to participate in the cultural programs conducted inside the campus.

Women's day is celebrated every year in our campus in a grand manner. Girl student representatives participate in every academic council and IQAC meetings towards the development of the Institution. CCTV cameras are installed in the campus to monitor the important locations of campus. The footage will be monitored and screened for lawful activities.

Faculty discuss with students about healthy relationships and behavioral etiquettes, emphasizing the importance of communication and respecting personal boundaries. Canteen and College mess offers food in standard quality in a hygienic way through a mechanized cooking range. Purified drinking water from R.O plants made available to all students. Students are provided with Identity cards to ensure safe entry into the college and the details like blood group, phone numbers and address are mentioned on it. During night time, the campus is covered with sufficient lighting arrangements. Girl's hostels are guarded 24*7 security guards.

2. COUNSELING

Counseling system provides support to the girl students and envisages them to realize and resolve their

problems. Care is taken to empower the girls, to strengthen them towards leadership and self- motivated and to make them confident in all walks of their career through various training programs.

3. COMMON ROOMS

Well-furnished separate hostels are available for girls. For convenience of students, rest rooms are available in every floor. Separate common rooms for girls are provided inside the college campus. Sick rooms are provided with necessary facilities like first aid box, cots, beds, mirror, chair, and dustbin, wheel chair for students need and comfort. During Emergency the students are taken to the ambulance for further treatment.

| File Description | Document |
|--|-------------------------------|
| Link for specific facilities provided for women in terms of: a. Safety and security b. Counselling c. Common Rooms d. Day care center for young children e. Any other relevant information | View Document |
| Link for annual gender sensitization action plan | View Document |

7.1.2 The Institution has facilities for alternate sources of energy and energy conservation measures

1. Solar energy
2. Biogas plant
3. Wheeling to the Grid
4. Sensor-based energy conservation
5. Use of LED bulbs/ power efficient equipment

Response: A. 4 or All of the above

| File Description | Document |
|--------------------------------|-------------------------------|
| Geotagged Photographs | View Document |
| Any other relevant information | View Document |
| Any other relevant information | View Document |

7.1.3 Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 500 words)

- Solid waste management
- Liquid waste management
- Biomedical waste management
- E-waste management
- Waste recycling system

- **Hazardous chemicals and radioactive waste management**

Response:

SOLID WASTE MANAGEMENT:

- Our institution strictly follows the waste management system and sufficient numbers of workers to maintain the college campus and hostels clean.
- All the metal waste and wooden waste are stored and given to the Punnapatti village panchayat for further processing.
- The dust bins are kept at the earmarked places in each floor for the effective collection of solid waste and to maintain a good hygienic environment in the campus. They are dumped into the compost pit and manure is used for trees & garden at our campus.
- The paper wastes, plastic wastes, food wastes etc. are segregated into biodegradable and Non-biodegradable wastes.
- The dry & wet waste is collected and dumped in the biogas plant to convert waste to alternate source of energy.

LIQUID WASTE MANAGEMENT:

- RO plant was installed in our NPRCET campus to purify the water and it's analyzed for quality by the college at frequent interval.
- The college is contemplating installing the water harvesting system.
- The waste water collected from RO plant is used for toilets after disposed to septic tanks periodically. All the pipelines and mineral water plant are continuously monitored and maintained.
- The audit committee studied the water management and prevention of water wastage in the campus.

E WASTE MANAGEMENT:

- E-Waste Consists of Ferrous & Non-ferrous Metals Plastics, Glass, and Wood etc.
- Iron & Steel - 50% Plastics - 21% Non-ferrous metal - 13% Mercury, Arsenic, Lead etc.
- The waste materials are properly disposed to Punnapatti village panchayat for further processing.

WASTE RECYCLING SYSTEM:

- The waste water from our hostels, canteen and various places of college are pumped into Sewage Treatment Plant and the treated waste water is transferred all around the campus for maintaining it as a green campus.
- The sewage water from entire college and hostel is received through the underground channels.
- Then the sewage is transferred to collection tank and again pumped to aeration tank.
- The above treated water is passed through Final treatment tank. Then it is directed to sludge pumping clarifier tank and then to sludge drying beds.
- After the treatment, it is sent to composting pits through leaves barrio filter. The Compost is used as

natural organic manure for garden.

- Then the water is flowing into the final tank. The filtered water is then collected in a sump and the water is pumped to the entire college garden through overhead tank and sprinkles. Treated water is using for garden & we have planned to use in flushing in the near future.

HAZARDOUS CHEMICALS AND RADIOACTIVE WASTE MANAGEMENT:

- Hazardous chemical waste which is generated in the laboratories is collected at a specific location and transferred to a collection tank for safe disposal through Punnapatti village panchayat. Labs are well ventilated and spacious and does not affect the students inside the labs.

BIOMEDICAL WASTE MANAGEMENT

- Sanitary napkins from the ladies hostel are instantly incinerated in the Sanitary Napkin Incinerator available.

| File Description | Document |
|--|-------------------------------|
| Any other relevant information | View Document |
| Link for Relevant documents like agreements/MoUs with Government and other approved agencies | View Document |
| Link for Geotagged photographs of the facilities | View Document |

7.1.4 Water conservation facilities available in the Institution:

- 1. Rain water harvesting**
- 2. Borewell /Open well recharge**
- 3. Construction of tanks and bunds**
- 4. Waste water recycling**
- 5. Maintenance of water bodies and distribution system in the campus**

Response: A. Any 4 or all of the above

| File Description | Document |
|--|-------------------------------|
| Geotagged photographs / videos of the facilities | View Document |
| Any other relevant information | View Document |
| Link for any other relevant information | View Document |

7.1.5 Green campus initiatives include:

- 1. Restricted entry of automobiles**

2. Use of Bicycles/ Battery powered vehicles
3. Pedestrian Friendly pathways
4. Ban on use of Plastic
5. Landscaping with trees and plants

Response: Any 4 or All of the above

| File Description | Document |
|--|-------------------------------|
| Various policy documents / decisions circulated for implementation | View Document |
| Geotagged photos / videos of the facilities | View Document |
| Any other relevant documents | View Document |
| Link for any other relevant information | View Document |

7.1.6 Quality audits on environment and energy regularly undertaken by the Institution and any awards received for such green campus initiatives:

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

Response: A. Any 4 or all of the above

| File Description | Document |
|---|-------------------------------|
| Reports on environment and energy audits submitted by the auditing agency | View Document |
| Certification by the auditing agency | View Document |
| Certificates of the awards received | View Document |
| Any other relevant information | View Document |
| Link for any other relevant information | View Document |

7.1.7 The Institution has disabled-friendly, barrier free environment

1. Built environment with ramps/lifts for easy access to classrooms.
2. Disabled-friendly washrooms
3. Signage including tactile path, lights, display boards and signposts
4. Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment
5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of

reading material, screen reading

Response: A. Any 4 or all of the above

| File Description | Document |
|--|-------------------------------|
| Policy documents and information brochures on the support to be provided | View Document |
| Geotagged photographs / videos of the facilities | View Document |
| Details of the Software procured for providing the assistance | View Document |
| Any other relevant information | View Document |
| Link for any other relevant information | View Document |

7.1.8 Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities (within 500 words).

Response:

Our Institution shows immense efforts and responsibility in the aspect of tolerance and harmony in the fields of cultural, regional, linguistic, communal socio-economic and other diversities. With the precise inputs of management and Principal, Institution is conducting initiatives within the campus and outside to attain the inclusive environment for all students and staff. By conducting such events, the students can gain experience and realize social responsibility through participation.

NSS& YRC units of our institution in association with District Blood Bank, Dindigul conducted a Blood Donation Camp in our college. All the interested students volunteered and took part in the blood donation camp. A team of doctors and Medical officers from District blood bank look after the blood donation and collection operations. Students got motivated on donating their blood as a service to the society.

The **NSS** unit of our institution conducted a **Road safety awareness programme** highlighting the importance of wearing helmets in particular with authentic ISI mark for quality and wearing seat belts to avoid complications during travel.

The **NSS** unit of our institution conducted a **Tree plantation programme** in nearby Mulaiyur village with 135 volunteers. We have planted 45 tree saplings and the students got motivated about the importance of planting trees.

Our College conducted **Cultural program** in the name of “**Youth Festival**” for the students which provided opportunities to show their inherent cultural talents. Most of these activities were group-oriented due to which students could get to know about others from different cultural backgrounds and interests.

Our institution regularly celebrates very famous **Regional festival “Pongal Festival”** every year in a traditional way by preparing Pongal in mud pot with all religious traits and performed special Pooja. All the students and staff members are permitted to come in traditional attire. Sweet Pongal is prepared and was distributed to the students, staff and workers after workship. To raise the spirit of Pongal celebration, students performed **Tamilnadu Traditional Dances** like **Poi kaalkuthiraiatam, Thevarattam, Karagattam and Folk dance** were also conducted.

The **Dussehra poojais** celebrated every year in a grand manner. Departmentwise poojas are conducted on the last day prior to Dussehra. All the members of teaching, non-teaching and students attend the celebration and participate in the special pooja offered on that day to seek the blessings from Goddess Durga.

Our institute celebrates **Gandhi Jayanti** in our campus. This day is celebrated as the **International Day of Non-Violence**. Elocution on Gandhi’s freedom struggle and sacrifices towards the country is a part of the celebration.

| File Description | Document |
|---|-------------------------------|
| Link for supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution) | View Document |
| Link for any other relevant information | View Document |

7.1.9 Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens (within 500 words).

Response:

The college promotes the overall development of the students by infusing the sense of nationalism, human values, rights and responsibilities to create responsible citizens. In view, several activities are initiated and implemented as follows:

MOTIVATIONAL PROGRAMS

Our institution organizes Motivational Programmes for students and faculties for development. It directs the behavior of students towards particular goals and develop competencies, creativity, set goals, grow interests and develop talents.

WOMENS DAY CELEBRATIONS

Women’s day is celebrated on 8th March every year by the women faculty members and girl students of our institution. WDC coordinators and girl students organize this event and interact with their faculty members in an informal way by conducting competitions for female teaching and Non-teaching staff members with enthusiasm.

AWARENESS PROGRAMMES ON ROAD ACCIDENTS

Our institution organizes awareness programme on the prevention of road accidents. The awareness programme conveys the message of obeying traffic rules, wearing helmets to ensure safety measures while driving and also to check the awareness of the students regarding rules and regulations of traffic and transport, traffic signs and signals.

BLOOD DONATION CAMP

Our institution organized "Blood donation Camp" in association with Primary Health Centre from village panchayat wherein students donated blood voluntarily. Students understood that voluntary blood donation is a selfless service and an expression of love for mankind. This camp creates awareness among the students to improve their attitude towards social responsibility..

HEALTH AWARENESS PROGRAMME

Our institution organized health awareness and general health checkups for faculties and students periodically. This awareness programme educate students on taking preventive measures against spreading of disease and the importance of nutrition.

CORONA AWARENESS PROGRAMME

An awareness programme on Covid-19 was conducted in our college premises through NSS. Students gained knowledge about the pandemic disease, infection control practices related to COVID-19 and handling the precaution measurements.

REPUBLIC DAY CELEBRATIONS

Republic Day is one of the National festivals of India celebrated on January 25th every year to commemorate the day when Constitution of India came into force. Chief Guest and the Principal of our institution delivers speeches to inform students what they are capable of and how they can take inspiration from the great achievers who have made India proud in the global map. The Executive Officer hoist the National flag at the central lawn. Students and all Staff members participate in the function every year.

INDEPENDENCE DAY CELEBRATIONS

Our college celebrate this auspicious day with great enthusiasm on 15th August. The Executive Officer of our college and the chief guest hoisted the National flag at the central lawn. All the staff members and students salute the flag. The principal delivers speech about Independence Day. At last, sweets are distributed to the students and staff members to share the happiness of independence.

| File Description | Document |
|--|-------------------------------|
| Link for details of activities that inculcate values necessary to render students in to responsible citizens | View Document |
| Link for any other relevant information | View Document |

7.1.10 The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard.

- 1. The Code of Conduct is displayed on the website**
- 2. There is a committee to monitor adherence to the Code of Conduct**
- 3. Institution organizes professional ethics programmes for students, teachers, administrators and other staff**
- 4. Annual awareness programmes on Code of Conduct are organized**

Response: A. All of the above

| File Description | Document |
|--|-------------------------------|
| Details of the monitoring committee composition and minutes of the committee meeting number of programmes organized reports on the various programs etc in support of the claims | View Document |
| Code of ethics policy document | View Document |
| Any other relevant information | View Document |

7.1.11 Institution celebrates / organizes national and international commemorative days, events and festivals (within 500 words).

Response:

REPUBLIC DAY

Republic Day is one of the great National festivals of India celebrated on January 26th every year to commemorate the day when Constitution of India came into force. Chief Guest and the Principal of NPR College of Engineering & Technology deliver speeches to inform students what they are capable of and how can they take inspiration from the great achievers who have made India proud in the global map. The Executive Officer hoist the National flag at central lawn. Students and all the Staff members participated in the function every year.

INDEPENDENCE DAY

Our college celebrates this auspicious day with great enthusiasm and proudness on 15th August. The Executive Officer of our college was the chief guest and hoist the National flag at the central lawn. All the

staff members and students salute the flag. The principal deliver speech about Independence Day. At last, sweets are distributed to the students and staff members.

NATIONAL SCIENCE DAY

Every year our college celebrates National Science Day on 28th February to commemorate the day to mark Sir C.V.Raman's discovery of Raman Effect. On the following objectives, our college organizes the National Science Day activities. Project Expo is organized to explore the research skills of building engineers.

- Enable students to know about the latest developments in the fields of science and technology.
- Promote active involvement of students and teachers in science related activity.

INTERNATIONAL WOMENS DAY

International Women's Day is celebrated on 8th March every year. To create awareness of gender equality for a healthy society and to honor womanhood, our college celebrates the International Women's Day on 8th March or previous working day in the campus, during which different games, activities and motivational lecture is organized for enhancing confidence of girl students as well as faculty members.

TEACHERS DAY

Our college celebrates Teachers' day every year on September 5th. This day is dedicated to Dr. Sarvepalli Radhakrishnan who was the Second President of India. On this day, our students express their gratitude and appreciation for their teachers. The whole function will be planned by our management to honor the teachers and executed through the students, who organize the function. The whole function was planned by Principal with coordinators and faculty.

PONGAL FESTIVAL

Pongal festival is one of the biggest festivals celebrated in Tamil Nadu. Our college celebrates the pongal festival every year on the previous working day of pongal festival in January. All the students participate in the festival and perform various cultural activities related to our tradition.

POOJA FESTIVAL

On the auspicious day of Sarawati Pooja, the students and faculty of our college together worship and celebrate to seek the blessings of the goddess of knowledge, music, art and culture. All the teachers and students gather for the function to celebrate the day. All the laboratories were cleaned and small projects will be exhibited.

| File Description | Document |
|---|-------------------------------|
| Link for Geotagged photographs of some of the events | View Document |
| Link for any other relevant information | View Document |
| Link for Annual report of the celebrations and commemorative events for the last five years | View Document |

7.2 Best Practices

7.2.1 Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual.

Response:

Best Practices - 1

Title : Students Mentor System (SMS)

Objectives

To gives the essential guidelines for getting the good academic results and improves the excellence of the overall performances.

The Context:

Students come from rural background. They don't know about the scope of engineering and the process of employment. Difference in education system – support – personal touch- getting confidence – familiar with the new place with all the student get attached to the institution regulation earlier then if the system close of exist. This gives confidence to the students and enables them to start studying with interest and without any deviation. Fear overcomes when they mingle with the staffs.

The Mentoring system is relatively new in general to a student entering the college. Our college is situated in rural area and more no.of students from rural background and first graduates in his/her family. An Engineering course, the medium of the instruction is English only. Here no.of students from tamil medium, so the students feel difficult to understand the classes and write the examination in English. Entry level students do take some time to familiarize and feel more comfortable with their mentors and most importantly develop confidence in them. Our Mentors, to shrink and minimize the student's fear from his/her mind and give direction to face the difficulties.

Practices:

Orientation session before usual classes. During that itself the students are briefed about mentioned system, facilities and practices in our institute. Overview of mentorship. Mentor-mentor ratio is 1:15.

Mentor meeting is conducted once in two weeks. During the first meeting the personal delights of the

students/mentors are recorded and categorized on the basis of marks, topography, family environment, hobbies and other interest. During the second meeting progress of syllabus and issues related to academic are discussed. The performance in the class, 1st hour test is analyzed and counseling will be given to the mentor students. The identified slow learners and advanced learners are separately for their development. In the subsequent meeting the results of the first internal examination. 2nd internal test and model examination result will be discussed. Slow learners are suggested to refer contacts on the frequently asked questions in the end semester and to study the handout given by the subject faculties. The advance learners are suggested to undergo in-plant training, internship during the semester holidays to get expose to industries. Before university examination mentors are counseled/motivated to perform well and score more marks in the university examinations. In between special counseling will be given to students who get internal any indiscipline activity. During the discussion the personal, health and family issues will be addressed by the mentor if any and solutions to sort out the issues will be suggested by the mentor. If there is no development with a specific mentor, the respective parent will be called by the college and the mentor performance will be discussed. Further based on the

programme is conducted to the students earlier than their usual classes. During the usual class, subject wise topics discussed to the students to prepare for the test as well their usual class work. Daily morning one hour is allotted to write the test in the given topics. If they attain less mark, they are provided with separate arrangement beyond the working hours.

Motivation Program is conducted to the students to realize the objective of the programme and its possibility. The regulation of the programme and the knowledge to shine in their skills by utilizing the syllabus will be discussed in detail in this course.

Evidence of Success:

Evaluate after getting every semester results, it is obvious that their performance is better than that of the early period. Then immediately we conduct the parents & teachers meeting. The students and their parents have been very happy with the mentoring system. This is reflected repeatedly in the university examination results.

Problem Encounted & Resources Required

- Day Scholars feel difficult to get to home in time after separate classes.
- Extra workload for faculty members.
- Students are less attentive during the separate classes.
- The students feel that they are attending classes constantly for a long period.
- Extra Buses are operated at 6.00 P.M. daily from the college.

The percentage of drop-outs did reduce greatly after implementing the system, but still present. Some students have required a great deal of time and effort from their mentors but have shined after.

Best Practices-2

Title: Institute Administrative System (IAS)

Objectives:

Our NPR College of Engineering & Technology encouraged the Teaching, Non-Teaching, Office members and students to progress an incorporated dais for transparency, easily & accessibly running the several academic activities of the college. NPRCET has established an **Institute Administrative System (IAS)** for timely accessibility of data which can be opened through Intranet. The IAS Portal has been executed for the recent year and is very user friendly. IAS has been very helpful to monitoring and evaluation of the education system and follows up on the daily activities of each point in a regular and suitable manner of the institution.

The Context:

The **Institute Administrative System (IAS)** is intranet-based and partially web-based well-established in-house developed software that appropriately handles all the key functionalities of the institution. The set of automated modules that has been successfully implemented are: Admissions, Academics, Students, Fees, Examination, Online Assessment, Placement, Student Feedback, Performance, Staff, Faculty Record Book, Leave Management, SMS based services. Web Portals are the exclusive system which maintains the vital information online and interlinks all the stakeholders with required authentications.

The Practice:

IAS framework maintains raw information on the education system and also contains aggregate figures derived from these data, such as internal marks, performance results, appraisal, feedback etc. Instant availability of this aggregate data provides a deeper understanding of the education system. The streamlined standard formats and procedures for data collection and storage eliminate duplicate, redundant and conflicting data. IAS system is robust enough and operates according to a well-defined logic, methodology for varied distinct purposes. Appropriate data flow mechanisms and channels are applied to promote the exchange of derived up-to-date information among the stakeholders. The inter-relation between the modules promotes data presentation and data standards. The precise data and graphical reports are produced wherever required to support in-depth understanding. Regular data and source back-up facilities are maintained. All the data and information are maintained as a history due course for further references.

Evidence of Success:

Accessibility of appropriate information as required by different stakeholders (derived internal marks at any point of time); Single point instant data capturing, role-based access control and time-based locking mechanisms (instant access of attendance status, examination score etc.); Standard and reports (Faculty record book, student performance analysis, standards etc.).

Problems Encountered and Resources Required:

In order to meet the institution's vision of nurturing the students in a holistic way the IAS system has to address the qualitative characteristic of the students. It is required to develop a module on SWOT analysis for capturing individual student's Strengths, Weaknesses, Opportunities and Threats in the first year itself. A knowledge based mechanism intended to implement will address these soft qualities suitably and thus incorporating planned processes and follow-ups will achieve the vision of holistic growth of the student community.

| File Description | Document |
|---|-------------------------------|
| Link for any other relevant information | View Document |
| Link for Best practices in the Institutional web site | View Document |

7.3 Institutional Distinctiveness

7.3.1 Portray the performance of the Institution in one area distinctive to its priority and thrust within 1000 words

Response:

NPRCET WORLD CLASS TURF CRICKET GROUND

Introduction:

NPR College of Engineering & Technology turf cricket ground with international standards and approved by BCCI (Board of Control for cricket in India) was established in 2013. Ranji Trophy, Tamil Nadu Premier League (TNPL) and many first class matches were conducted in our ground and now it has been popularized all over the world with the broadcast of Television networks.

Objectives

- To provide for promotion and development of the game of Cricket, welfare and interest of Cricketers and for that purpose, organize coaching schemes, hold tournaments, exhibition matches, Test Matches, ODI matches, Twenty/20, and any other matches.
- To encourage the formation of State, district and college & school level cricket teams and other tournaments.
- To foster the spirit of sportsmanship and the ideals of cricket amongst school, college and university students and others and to educate them.
- To impart physical education through the medium of Cricket.
- To put in place mechanisms to encourage Tamil Nadu cricketers to play and hone their skills so that a wider talent pool is available to represent the state.

Infrastructure

Our NPRCET Turf Cricket ground has 5000 seating capacity with flood lights. Its dimensions have been made as per the BCCI standard. The turf ground slope of 3 feet is given from the pitch to boundary line which facilitates drainage of water away from the ground. It has made sure that matches resume quickly despite heavy rain. NPRCET cricket ground includes pavilion, exclusive canteen and ensures the availability of cricket gear and basic facilities to cricket players.

History and inauguration

NPRCET cricket ground was inaugurated by Indian Cricketer Padmashri Gautam Gambhir on 12th August 2013. He along with former Indian cricketers V.V.S Laksman and Virender Sehwag who had visited the

ground earlier praised the ground and its features. The Tamil Nadu Cricket Association (TNCA) team that visited Dindigul on December 2014 was pleased with the ground conditions and they recommended BCCI to conduct Ranji Trophy matches here. **“The ground and the facilities are excellent here and the town is geared up for its first Ranji Trophy game and they expect a very good crowd,”** TNCA joint secretary R.I.Palani told the press interview and the crowd was fulfilled his expectations when the Ranji Trophy matches were played here. Earlier, the BCCI had given clearance to this cricket turf ground. The game was telecast in star sports channel and viewed world wide.

Pavilion inauguration

The venue has drawn praise from Indian Cricketers and also Arjuna award winner Yuvrajsingh and Harbhajansingh, who expressed their desire to revisit the venue after Punjab's win against Tamil Nadu in the Ranji Trophy encounter in 2016. Both the players who inaugurated the pavilion and they compared this venue to Dharamsala, and felt that more Ranji Trophy matches would be played here.

First class cricket matches

Our NPRCET ground has hosted the first class cricket matches namely,

- Tamil Nadu Premier League (TNPL)
- Ranji Trophy
- C.K Nayudu Trophy
- Cooch Behar Trophy under 19
- BCCI-Duleep trophy
- BCCI group A matches
- Combined Districts XI in their TNCA under-19 ODI matches
- TNCA-DDCA League matches
- TNCA Under 19
- DDCA Under 16
- DDCA Dragons Trophy
- S.S.Rajan T-20 Trophy
- Inter-school tournament under 16 for NPR Trophy
- State level inter-school T20 tournament for NPR rolling trophy
- DDCA Inter-collegiate league for NPR Trophy
- Anna university zone XVII inter-collegiate cricket tournament
- Under 16 inter academy tournament for NPR trophy
- DDCA division league and
- P.R Thevar Trophy, matches are being played. Many international star cricketers would like to play their matches in this ground and share their experience.

Ranji-Trophy Notable Events

The first Ranji Trophy match between Tamil Nadu and Jammu & Kashmir was played in 2014 in our NPRCET turf ground. Our cricket ground crowd is known to be amongst the second most appreciative in

the state next to Chepauk Stadium, Chennai. The crowd gave a standing ovation for Tamil Nadu cricket team to win Ranji trophy match against Jammu Kashmir team in 2014. International Cricket Players such as Lakshmi pathy Balaji, who played his 100th first class match and Dinesh Karthick were all praise for the venue that they have rarely played in front of such large crowds in Ranji Trophy and also he told that the venue looks beautiful with its scenic background.

The crowd was again appreciative when Ranji Trophy match between Tamil Nadu and Punjab in 2016. In this match five Indian cricketers played in both teams namely Lakshmi pathy Balaji, Vijay Shankar, Dinesh Karthick from Tamil Nadu team, Harbajan Singh and Yuvraj Singh from Punjab team. The crowd was again appreciative when Ranji trophy match was played between Tamil Nadu and Mathya Pradesh in 2019. In this match Tamilnadu team player M.Mohammed took hat-trick wickets. The five Indian cricketers played in Tamil Nadu teams are namely Murali Vijay, Vijay Shankar, Dinesh Karthik, M S Washington Sundar and R Ashwin.

Tamil Nadu Premier League (TNPL)

The Tamil Nadu Premier League (TNPL) is the brain child of the Tamil Nadu Cricket Association (TNCA). NPRCET cricket ground has been the home venue of the TNPL and also the home ground of Dindigul Dragons team. This ground has hosted 10 TNPL T20 matches in 2016, 11 TNPL T20 matches in 2017, 15 TNPL T20 matches in 2018 and 12 TNPL T20 matches in 2019. TNCA and Dindigul District Cricket Association (DDCA) officials are expecting a Ranji Trophy knock out encounter and Indian Premier League (IPL) matches sooner rather than later.

League Matches

NPRCET conducts student premier league (SPL) cricket tournaments every year in a highly systematic and professional manner. Balls and mats are supplied free of cost by the management to that matches at every year for our students. At the end of the final match prizes will be announced in categories like IPL.

NPRCET cricket ground is one of the states's best cricket grounds including excellent features such as Giant Video screen and Flood lights, Air-conditioned corporate boxes, Air-conditioned press box befitting as in International stadium. This ground continues to promote and develop cricket in an absolutely professional style in South Tamil Nadu.

| File Description | Document |
|---|-------------------------------|
| Link for appropriate web in the Institutional website | View Document |
| Link for any other relevant information | View Document |

5. CONCLUSION

Additional Information :

Our institution is equipped with modern lab instruments and well equipped learning resources. Our institution promotes Entrepreneurship through various programmes conducted by EDC. Our institution encourages the students to do innovative projects within the campus itself and promotes the research culture

Our students are trained and transformed into professionals with the enhancement of employability skills. Life skills training, Language and Communication skills training along with placement training enable our students to get placed through placement drives in various engineering industries.

CCNA courses have been conducted through CISCO lab for the students. Students have registered and completed more courses through our NPTEL local chapter. Memorandum of Understandings has been signed with various engineering industries in order to improve the Industry – Institute Interaction activities to enhance the Industrial Visit, In-Plant Training and Internship activities of the students.

Our college encourages women empowerment and maintains gender equity in almost all the constitutions of the various committees and cells formed. Our college NSS Unit has been involved in so many activities related to awareness, hygiene and sanitary conditions in the nearby rural villages and thereby nurtures the students with social responsibilities. Our college received Jal Sakthi and IGEN GREEN DIARY 2021 awards for green initiatives. Our institution utilizes renewable energy through bio-gas and solar plants and stick on to energy conservation.

Two of our students have set Guinness records in Taekwondo.

Cricket matches are conducted for the students in our BCCI approved turf cricket ground with international standards in our institution in the name of Students Premiere League (SPL) in the same pattern of Tamil Nadu Premiere League (TNPL) and Ranji Trophy. One of our students from mechanical engineering department has been selected to play in the Dindigul Dragons team in the forthcoming TNPL match.

Concluding Remarks :

To meet the vision and mission of our college with the rural back ground students, our institute cultivates skills and qualities to choose value added courses, soft skill programmes and opportunities to learn new things.

Our institution has a good feedback system through which the grievances are sorted out in time and suggestions are taken into account for the development of the institution. Our mentor system has been very effective and it has been institutionalized as one of the best practices. Parent – Teachers meeting give way for students' development in academics and discipline.

Leading celebrities are invited as chief guests for college annual days for enhancing the inspiration of students. Career counseling and motivational programmes are conducted every year with leading educational consultants. Our college celebrates the Pongal festival in a grand manner in view of preserving our culture and tradition.

The nearby school students are permitted to conduct matches in our turf cricket ground in the view of

promoting the rural students in sports. Many competitive and Government exams are conducted in our college as a part of extension activities.

In future, we have planned to improve our research activities including improving the number of patent filings, establishment of research centers in all departments, to achieve academic excellence and promote startups in the institution.

Getting NAAC accreditation will be significant in the mile stone of our institution in academics and further encourages achieving autonomous status through which the curriculum enhancement is feasible for including recent technologies prevailing in the industries and making it possible for the upliftment of the rural students of our locality to meet the global needs.

NAAC