Yearly Status Report - 2018-2019

Part A	
Data of the Institution	
1. Name of the Institution	**GURU NANAK DEV ENGINEERING COLLEGE**
Name of the head of the Institution	**Sehijpal Singh**
Designation	**Principal**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**0161-2502700**
Mobile no.	**9855400448**
Registered Email	**principal@gndec.ac.in**
Alternate Email	**ramandeep.pta@gmail.com**
Address	**Gill Park Gill Road Ludhiana**
City/Town	**Ludhiana**
State/UT	**Punjab**
Pincode	**141006**

2. Institutional Status

Autonomous Status (Provide date of Conformant of Autonomous Status)	**17-Aug-2012**
Type of Institution	**Co-education**
Location	**Urban**
Financial Status	**Self financed and grant-in-aid**
Name of the IQAC co-ordinator/Director	**Dr Harwinder Singh**
Phone no/Alternate Phone no.	**01615064748**
Mobile no.	**9815188044**
Registered Email	**harwin75@gndec.ac.in**
Alternate Email	**ramandeep.pta@gmail.com**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	https://gndec.ac.in/sites/default/files/AQAR%202018-19.pdf

4. Whether Academic Calendar prepared during the year	**Yes**
if yes,whether it is uploaded in the institutional website: Weblink :	https://gndec.ac.in/sites/default/files/ACADEMIC%20CALENDERS.pdf

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	**A**	**3.10**	**2015**	**01-May-2015**	**30-Apr-2020**

6. Date of Establishment of IQAC	**01-Jan-1970**

7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
No Data Entered/Not Applicable!!!		

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8. Provide the list of Special Status conferred by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Guru Nanak Dev Engineering College	TEQIPIII	MHRD	2019 1095	70000000
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9. Whether composition of IQAC as per latest NAAC guidelines:	Yes
Upload latest notification of formation of IQAC	View File
10. Number of IQAC meetings held during the year :	3
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	Yes
Upload the minutes of meeting and action taken report	View File
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	No

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

1) We obtained continuation of autonomous status. 2) Research policy draft was submitted. 3) Students Feedback form in all departments have been made online. 4) Revised bloom taxonomy followed for internal and external examination for effective implementation of outcome based education

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13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year

Plan of Action	Achivements/Outcomes
No Data Entered/Not Applicable!!!	
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14. Whether AQAR was placed before statutory body ?	No
15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	No
16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2019
Date of Submission	02-Jan-2019
17. Does the Institution have Management Information System ?	Yes
If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words)	We have own MIS system i.e https://www.exam.gndec.ac.in, which is used for examination, academic as well as collection of student fee. This is a two way system, which is dealt in by college side as well as student side.

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Design and Development

1.1.1 – Programmes for which syllabus revision was carried out during the Academic year

Name of Programme	Programme Code	Programme Specialization	Date of Revision
BTech	1	Civil Engg., Computer Science and Engg., Electrical Engg., Electronics and Communication Engg., Info	23/07/2018
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1.1.2 – Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year

Programme with Code	Programme Specialization	Date of Introduction	Course with Code	Date of Introduction
BTech	Civil Engg	23/07/2018	Solid Mechanics (PCCE-102), Surveying Geomatics (PCCE-101), Civil Engineering-	23/07/2018

				Introduction, Societal Global Impact (HSMCE-101), Solid Mechanics Lab (LPCCE-103), Concrete Technology (PCCE-105), Materials, Testing Evaluation (PCCE-106), Transpo	
BTech	Electronics & Communication Engineering	23/07/2018	Intelligent Signal Processing – Lab (LPCEC-106), Computer Architecture (PCEC-105), Analog Circuits (PCEC-106), Analog Circuits – Lab (LPCEC-103), Information Management and Data Analytics (HSMEC-101)	23/07/2018
BTech	Information Technology	23/07/2018	Professional Practice, Laws and Ethics for IT Engineers (HSMIT-101), Seminar and Technical Report Writing (PRIT-101), Python Programming (PCIT-105)	23/07/2018
BTech	Electrical Engineering	23/07/2018	Training-I (TR-101), Seminar and Technical Report Writing (PREE-101), Training-II (TR-102), Training-III (TR-103), Project-I (PREE-103), Project-II	23/07/2018

			(PREE-104), Education, Technology & Society (HSMEE-101), Analog Electronics (PCEE-102), Digital Elec	
BTech	Mechanical Engineering	23/07/2018	Strength of Materials (PCME-102), Engineering Materials and Metallurgy (PCME-105), Machine Drawing and Computer aided design (PCME-104), Strength of materials lab (LPCME-101), Engineering Materials and Metallurgy Laboratory (LPCME-102), Manufact	23/07/2018
BTech	Production Engineering	23/07/2018	Strength of Materials (PCPE-101), Material Science (BSPE-101), Operation Management (HSMPE-101), Industrial Engineering (ESPE-101), Training (TR-101), Design of Machine Elements (PCPE-104), Fluid Mechanics & Machinery (PCPE-105), Manufacturing Pro	23/07/2018
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1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
No Data Entered/Not Applicable !!!		
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the College level during the Academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BE	**CE,ME,ECE,EE, CSE,IT,PE**	**16/07/2018**
Mtech	**Structural,ECE,Power, CSE, Industrial, Mech., Geo-tech.**	**16/07/2018**
MBA	**Business Administration**	**16/07/2018**
MCA	**Computer Applications**	**16/07/2018**

1.3 – Curriculum Enrichment

1.3.1 – Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of Introduction	Number of Students Enrolled
Energy Conservation and Alternative Sources of Energy	**01/02/2019**	**45**
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
No Data Entered/Not Applicable !!!		
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	No

1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution? (maximum 500 words)

Feedback Obtained

The institution collects feedback on curriculum aspects and courses from different stakeholders such as students, alumni, faculty and employers. Once the feedback is collected and analysed further action is recommended by the feedback committee. Methodology: • Feedback on curriculum is collected from students by circulating the feedback Forms. It is collected and brought to feedback committee for further analysis. Further suggestions are incorporated by departments. • Alumni Feedback is collected during alumni meetings or sent online. The filled forms are sent for further action. Feedback is collected from teachers by circulating the feedback forms. Subsequent action is similar

to the other forms. • Employer Feedback is collected either in person or online for further action. • The teachers also give feedback which is collected and forwarded to the authorities for further action. • The feedback committee collects inputs and suggestions from the stakeholders and further action to be taken is discussed with departments and authorities. Action Plan after data collection and analysis: • Annual Feedback Action Taken Report is given after analysis of stakeholders' feedback. • Suggestions received in the feedback are discussed in the meetings at department level, academic council and Governing Body meetings to explore the feasibility of their implementation. • To make curriculum more effective, add-on courses are started in the institute. • Obsolete subjects are removed from the curriculum and electives are introduced to the electives and minors. • Practical skill improvement with introduction of more of laboratory subjects. • Further, introduction of subjects related to ethical codes and conducts. • The alumni appreciated the existing pattern of education, they suggested giving more stress to research activities, capacity building and skill training program. The recommendations made by the alumni are subsequently discussed and approved by the authorities. • Students suggested the need for job oriented courses, training for facing interviews during campus selection. Therefore, expert talks are arranged. • Students' feedback on curriculum is utilized while framing and revising the syllabus. • The feedbacks offered by the employers about the programs are given due significance and accordingly, the contents of the program are modified / revised. • Feedback obtained from the faculty members are properly analyzed and revised to update the syllabus.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
MCA	Computer Applications	32	50	18
MBA	Business Administration	60	100	43
BE	Civil Engg, Mechanical Engg., Elect. Engg., ECE, CSE, IT, Production Engg	999	2521	953
Mtech	Structural Engg., Environmental Science, Geo-Tech., Mechanical, Power, ECE, CSE, Information Tech.,Production Engg.	209	0	85
PhD or DPhil	ECE,CSE, Environmental, Structural, Mechanical	6	6	6

2.2 – Catering to Student Diversity

2.2.1 – Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2018	3537	161	194	22	22

2.3 – Teaching - Learning Process

2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Numberof smart classrooms	E-resources and techniques used
216	216	5	47	5	5
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2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

The process of Mentoring is an individualized form of counseling and guidance activities. Since most of the students hail from faraway places or different states, so they are not in continuous contact with their parents or guardians in the college during the degree program. So they need someone whom they can trust like their parents/guardian/friend in the college and can discuss all the academic or non academic issues without any hesitation. This need of the student is fulfilled by their mentor. A mentor is a teacher, who acts like a local guardian, friend and role model of the students and guides them in their academic, pscyological and personal growth. The mentor tries to create an environment so that student feels just like at home in the college campus. The interaction between mentor and the student is normally informal, so that student does not hesitate to share his/her feelings or problems with mentor. Guru Nanak Dev Engineering College has well defined mentoring system right from the day it was inaugurated that is way back from 1956 onwards. The head of department allots a group of 20-25 students to each teacher. The teacher mentor collects their personal information and records it in their tutorial book. For the full duration of course the mentor remains same for a given student, so that a sort of emotional bonding is created between mentor teacher and the student. On mentor meets atleast once a week at a stipulated place and time allotted by H.O.D./ academic incharge. During this meeting mentor guides students about their career options and asks each student about the activities that he/she is undergoing for various subjects and then guides them to perform these activities without any problem. Sometimes student is not aware of the proper resources (like library books, local places for purchase of components related to their projects etc.). In such cases the mentor guides the students properly, so that they can easily access these resources. In addition to one formal meeting per week, the mentor remains in contact with the students throughout the week to address their problems without any delay. Sometimes there may be personal issues faced by student, which need intervention of head of department or higher authorities and the student may hesitate to share that information directly. In such cases, the mentor plays a pivotal role. Following are the basic tasks performed by the mentor with his/her students • Recording the personal information of the students and updating it from time to time. • Meeting the students at least once in a week according to the schedule fixed in time table. • Discussing about various projects or activites undertaken by the students and helping them to get access of various resources required to complete these. • Giving awareness to the students about various co-curricular activities taking place in the institution and motivating them to participate. • Helping the students to set professional goals, selection of career and higher education. • Giving awareness regarding self-employment, entrepreneurship development opportunities. • Motivating the students to develop honesty, good morale and integrity required for career growth. • Discussing about the importance of each subject being studied by the student in the semester and giving motivation to attend these subjects seriously. • Bridging the gap between the student and other subject teachers by playing the role of a mediator. • Bringing the issues faced by some

students in the knowledge of head of department whenever administrative intervention is required. • Giving awareness to the students about the best practices while performing various classroom and Lab. Activities. • Continuously monitoring the performance of the student in the course and help them in improving it. • Advising the students in the choice of elective subjects, projects and summer training etc. • Contacting the parents/guardians if situation demands e.g. academic irregularities, negative behavioral changes and interpersonal relations, detrimental activities etc. • Keeping contact with students even after their graduation. • Maintaining brief and clear record of all the discussions with the students. In addition to teacher mentor, the head of department also acts as mentor to the students but on a broad level. For example, the head of department meets all the mentors in the department once in a month and asks the mentors about various difficulties faced by the students. The mentors share this information with the head of department, who acts appropriately so as to ensure proper implementation of the system. Head of department also passes important instructions to the students through the mentors for smooth functioning of the departmental activities. If there is an urgent need to address some issue at administrative level, then head of department initiates administrative action. Moreover the head of department keeps the head of institute informed about the requirements of the students.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
3698	216	18

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
224	216	8	18	49

2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2018	Dr. Amanpreet Kaur Sodhi	Assistant Professor	Best Paper Award
2019	Prof. Deepinder Singh	Associate Professor	Best case study 2018-19
2019	Shivani Abrol	Assistant Professor	International Best Researcher in Renewable Energy
2019	Arvind Dhingra	Assistant Professor	Best Teacher-ISTE
2019	Rupinderjit Singh	Assistant Professor	Best Teacher-ISTE
2018	Arvind Dhingra	Assistant Professor	Best Teacher b ISTE
2018	Shivani Abrol	Assistant Professor	Expert Speaker- Institute of Engineers 51st Engineers Day
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2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year- end examination	Date of declaration of results of semester- end/ year- end

			examination	
BE	1	8	29/05/2019	12/06/2019

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2.5.2 – Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
0	3946	0

2.6 – Student Performance and Learning Outcomes

2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

<div align="center">https://gndec.ac.in/sites/default/files/ponc.pdf</div>

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
1	BE	Civil, Mechanical, EE, ECE, CSE ,IT,Producti on Engg	952	716	75.13
2	Mtech	ECE. Environ ement, Prod., CSE, Structural, Geo- Tech..Power	107	100	93
3	MBA	Business Adm inistration	45	42	93.33
4	MCA	Computer Applications	25	25	100

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2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

<div align="center">https://gndec.ac.in/sites/default/files/sss1920.pdf</div>

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Promotion of Research and Facilities

3.1.1 – The institution provides seed money to its teachers for research

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3.1.2 – Teachers awarded National/International fellowship for advanced studies/ research during the year

Type	Name of the teacher	Name of the award	Date of award	Awarding agency

International	Dr. Rupinder Singh	ASEAN-India Collaborative Research Project [for three years w.e.f. 1-1-2018]	01/02/2018	AISTDF Secretariat Science Engineering Research Board (SERB

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3.2 – Resource Mobilization for Research

3.2.1 – Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
No Data Entered/Not Applicable !!!				
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3.2.2 – Number of ongoing research projects per teacher funded by government and non-government agencies during the years

0.4

3.3 – Innovation Ecosystem

3.3.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of workshop/seminar	Name of the Dept.	Date
No Data Entered/Not Applicable !!!		
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3.3.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
No Data Entered/Not Applicable !!!				
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3.3.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsered By	Name of the Start-up	Nature of Start-up	Date of Commencement
No Data Entered/Not Applicable !!!					
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3.4 – Research Publications and Awards

3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
Civil Engg	7
ECE	6
IT	15
Mechanical Engg	8
Production Engg	15

3.4.2 – Research Publications in the Journals notified on UGC website during the year

Type	Department	Number of Publication	Average Impact Factor (if any)
No Data Entered/Not Applicable !!!			
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3.4.3 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
No Data Entered/Not Applicable !!!	
View File	

3.4.4 – Patents published/awarded during the year

Patent Details	Patent status	Patent Number	Date of Award
No Data Entered/Not Applicable !!!			
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3.4.5 – Bibliometrics of the publications during the last academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
No Data Entered/Not Applicable !!!						
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3.4.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
No Data Entered/Not Applicable !!!						
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3.4.7 – Faculty participation in Seminars/Conferences and Symposia during the year

Number of Faculty	International	National	State	Local
No Data Entered/Not Applicable !!!				
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3.5 – Consultancy

3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultan(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
No Data Entered/Not Applicable !!!			
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3.5.2 – Revenue generated from Corporate Training by the institution during the year

Name of the Consultan(s)	Title of the programme	Agency seeking / training	Revenue generated (amount in rupees)	Number of trainees

department				
NIL	**NIL**	**NIL**	**0**	**0**
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3.6 – Extension Activities

3.6.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
No Data Entered/Not Applicable !!!			
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3.6.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
NIL	**NIL**	**NIL**	**0**
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3.6.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agen cy/collaborating agency	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites
No Data Entered/Not Applicable !!!				
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3.7 – Collaborations

3.7.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration
No Data Entered/Not Applicable !!!			
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3.7.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
No Data Entered/Not Applicable !!!					
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3.7.3 – MoUs signed with institutions of national, international importance, other institutions, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs

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CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
263.5	116.78

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added

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4.2 – Library as a Learning Resource

4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
e-granthalya	Fully	3.0	2009

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	38739	7775858	0	0	38739	7775858
Reference Books	4044	1234000	12	36500	4056	1270500
e-Books	841	739351	256	170928	1097	910279
Journals	140	370115	0	36752	140	406867
e-Journals	19739	4011509	0	0	19739	4011509
Digital Database	4	6489000	0	0	4	6489000
CD & Video	1244	0	22	0	1266	0
Library Automation	1	0	0	0	1	0
Weeding (hard & soft)	0	0	0	0	0	0
Others(specify)	0	0	0	0	0	0

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4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content

| NIL | NIL | NIL | 28/06/2019 |

No file uploaded.

4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/ GBPS)	Others
Existing	1250	29	29	10	1	21	10	1000	0
Added	0	0	0	0	0	0	0	0	0
Total	1250	29	29	10	1	21	10	1000	0

4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)

1000 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
NIL	NIL

4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurredon maintenance of physical facilites
21.6	15.88	40	12.38

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website)

The Institute runs under the ages of Nankana Sahib Education Trust. The construction of new infrastructure and maintenance of existing infrastructure is carried out by the trust. The trust has designated officers and sufficient supporting staff for overseeing the maintenance of buildings, class-rooms and laboratories. The maintenance departments maintain the physical infrastructure on the campus which includes both breakdown and preventive maintenance of facilities. All maintenance activities are reported to the concerned officer by the departmental head and the same is attended to as soon as possible. Depending on the job, Sometimes the specialized contractor are also hired from outside to complete the job in time. Each department has its own staffs that include mechanics and technicians to maintain the lab equipments, under the guidance of Lab In charge, who is a faculty in the department. Besides, the College also has a Maintenance Cell, which maintains and repairs the equipment etc. In case of some special expertise, outside agencies are hired time to time. Central Computer Centre (CCC) is responsible for the upkeep and maintenance of all IT related and electronic equipment including computers, network equipment and other hardware. CCC has on its role, system analysts, programmers and technicians, who are responsible for repair and maintenance of Computer Hardware, Software and wired and wi-fi Network related issues. There is requisite supporting staff to maintain the ICT systems in class rooms and

laboratories. The technical staff ensures that projectors, network or any electronic equipment in class rooms, laboratories and other academic areas are functional and well maintained. The department, where the problem exists, calls these technical persons as and when required through computer centre officials. The Sports Section has full time Grounds men who maintain and clean the sports facilities and grounds. Dedicated Coaches are available for all major games, who also look after the upkeep of equipment and grounds. To improve the physical ambience of the campus, several initiates are taken from time to time. Some of these are: • There is a periodic maintenance plan for each activity such as painting, whitewashing. • Ground-men for maintaining grounds, lawns and upkeep of plants and trees. • Tree plantation drives are carried out every semester by NSS wing of the institute. • Dedicated and adequate staff for general cleaning, washroom cleaning and housekeeping. • Dustbins are placed at various places in the campus. • The physical infrastructural facilities and academic facilities are maintained periodically and on demand as well. • Lab equipment is maintained by the dedicated technicians in the labs on a periodic basis during summer / winter vacations. • Dedicated staff including masons, plumbers, carpenters, electricians are employed in College / Trust for maintenance of infrastructure. • Workshop technicians also provide their services for welding, furniture repairs etc. Annual Maintenance Contracts for critical repair of equipment are there. Sometimes such repairs are carried out from outside persons.

https://gndec.ac.in/sites/default/files/mpc.pdf

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
No Data Entered/Not Applicable !!!			
View File			

5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
No Data Entered/Not Applicable !!!			
View File			

5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passedin the comp. exam	Number of studentsp placed
No Data Entered/Not Applicable !!!					
View File					

5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal

25	23	14

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
No Data Entered/Not Applicable !!!					
View File					

5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
No Data Entered/Not Applicable !!!					
View File					

5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
No Data Entered/Not Applicable !!!	
View File	

5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
No Data Entered/Not Applicable !!!		
View File		

5.3 – Student Participation and Activities

5.3.1 – Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one)

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
No Data Entered/Not Applicable !!!						
View File						

5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

College creates a platform for the active participation of the students in the various academic administrative bodies including other activities. This empowers the students in gaining leadership qualities, rules, regulations and execution skills. Its selection, constitution, activities: ? Each council has a representative council, which is called Class Committee and includes student members too. ? The student members bring forward the views and suggestions of the entire class with respect to the faculty, subjects, syllabus and other things related to the class. ? The composition of student members is of one topper, one average and one slow learner (the one who has more integrity with other students) of each section are nominated as class representatives, for all

the sections from I Year to Final Year. ? The Student Council helps students share ideas, interests, and concerns with lecturers and principal. They often also help raise funds for -wide activities, including social events, community projects, helping people in need and college reform. ? Various programs like paper presentations, workshops and seminars are organized by these bodies every year.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Alumni is always an effective role model and can be easily accepted by students. The involvement of alumni in supporting and providing contributions voluntarily to this Institution is maintaining and expanding its development. As we know, Every alumni gained versatile experience being a student to becoming a unique and different graduate, hence they have potential to contribute to the institution in different ways and scale. Society named Genco Alumni Association, No. 232 of 1999-2000, of Guru Nanak Dev Engineering college, Ludhiana has registered under the societies Registration Act. 1860 on 06-05-1999. Our alumni share their career experiences with our students whether in time management, financial management, development of self-discipline and character, or in career management and we found that their sayings are easily accepted by students. Through this way, they help in strengthening confidence, improve motivation and inculcate the right culture in line with what our Institution intends to convey to our students. Career mentor Job availability is more critical in certain sectors. In the final year of their studies, students must identify seriously their career prospects. So, our alumni encourage the students of our Institution, by mentoring them on their career opportunities in the industry and opening channels for the students for acceptance, either in undergoing practical learning or work experience in the institutions where the alumni reside in. Providing expertise Our Alumnis also contributes by providing their expertise, guest lecturer and share their industrial experience. They also help students by giving them internship in their respective companies. Improve student recruitment efforts Alumni time-to-time encourages students about our great Institution as the provider of higher education. Voluntary alumni are ambassadors as they involved actively in student recruitment efforts that are made by the faculties of the Institution. Increase efforts in collecting funds Alumni especially the more senior ones that are more stable from the economy perspective reduce the financial burden of the Institution for the betterment of the students. They give greater collection of funds every year enabling the establishment of scholarships, supporting students' activities, cultural programs, Research Development activity etc. Suggestions in Syllabus format Most of the alumni are board of studies member of various departments and contribute time to time in meetings of Syllabus forming. They give suggestions of addition/ deletion of various topics of various subjects. They contribute in syllabus drafting for both UG and PG courses.

5.4.2 – No. of registered Alumni:

9800

5.4.3 – Alumni contribution during the year (in Rupees) :

3636000

5.4.4 – Meetings/activities organized by Alumni Association :

1. Dated: 23-02-2018 Activity: Golden Jubilee celebration (1968-batch) Number of Participation: 64 2. Dated: 17-10-2018 Activity: 40th Alumni Meet (1979

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

The Institute practices and advocates the culture of participative Management at all levels as: Administration, Admission, Student activities, Curriculum Development, Research, Sports etc. The institution defines the decentralization in working through delegation of authority. Personnel at different levels implement the decisions. The Management in the light of its policies and plans, takes important administrative decisions by holding the meetings with the head of the institution. These decisions are then communicated and implemented by the Deans, Heads and the administrative staff of the institution. Research programs, extension activities, examinations are taken care of by the Heads of the Departments. Financial and administrative powers have been defined for HODs and Deans. The delegation of authority can be organised in the form of a pyramid and follows a three Tier Approach. • Top-level are responsible for controlling and overseeing the entire institution. It includes the Chairman, Governing council, and Principal. The Governing Council assists the Chairman with regard to broad guidelines, policies and framework for the improvement of quality of education in the institution. The Principal heads the academic and administrative activities of the Institute. • Middle-level act as an intermediary between top-level and low-level. It includes Head of the Departments (HOD) and Deans. They help in the execution of institutional plans. • Low-level includes faculty, non-teaching staff and others. They help the middle level by coordinating the activities delegated to them. The Institute does promote a culture of participative management in all academic and non-academic Areas. The Institute follows committee system for implementation of all its decisions. The Institute promotes equal representation in various committees at all levels from Professors, Associate Professors and Assistant Professors from various domains. By introducing decentralization and participative management, GNDEC is committed to improving the procedures and functioning of the institute as well. For smooth conduct of all the activities 24 non statutory have been formulated that clearly highlight the Decentralized Decentralization/ Participative management through formation of committees • Planning and Evaluation Committee • Academic Advisory Committee • Admission committee • Examination committee • Academic Audit committee • Accreditation (NBA) • Accreditation (NAAC UGC-Autonomy and IQAC) • Library advisory committee • Training and Placement • Cultural activities committee • Technical Activities • Sports • College magazine • Alumni interaction • Souvenir/Brochure • Staff Medical aid • Staff Medical loan • Grievance Appeal (Students) • Grievance Appeal (Staff) • SC/ST/OBC Cell • Equal opportunity cell • Sexual Harassment committee • Recreation committee • Hostel committee Curriculum Harmonization as per the requirements of stakeholders. On the Basis of the strategic plans, its stakeholders and as per the recent guidelines of AICTE, Guru Nanak Dev Engineering College has ensured the revision and updation of the curriculum to help the students to achieve better employability, start-ups and other avenues for higher studies. The curriculum revision has taken into account the requirements of the Industry and other stakeholders. Induction program for fifteen days, which included the student sensitization to the various domains in engineering and different aspects of life was conducted. The academic curriculum has been designed in such a way that it encourages innovation and creativity among students and many new courses have been incorporated in consultation with industry experts. The Curriculum has been designed where the

students can understand the industry requirements and have hands-on experience. Guru Nanak Dev Engineering College has an aim to develop teaching and learning methodologies that can be benchmarked with highest academic levels in order to address rapidly changing industry scenarios. The new teaching pedagogy lays emphasis on applying engineering skills through relevant engineering design projects, Improving team-working skills and awareness of issues relating to ethics and professionalism.

6.1.2 – Does the institution have a Management Information System (MIS)?

Yes

6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

Strategy Type	Details
Teaching and Learning	Imparting and sustaining quality in all the dimensions is a long term and an ongoing process which involves consistent and well planned efforts by all the domains of the institution. Some of the key areas where quality improvement strategies have been adopted by the institution include Teaching and learning: Modern ICT methodology in the form of LCD projectors and PPT methods are substantiating the traditional classroom teaching methodology. To provide practical exposure to the students they are required to submit their assignments, projects, feedback etc. Students are encouraged to participate in group discussions, quiz as a mean of enhancing knowledge. Continuous evaluation and full transparency in teaching evaluation process is in place. Industrial exposure to the students is encouraged through Industrial Training consisting of 6 weeks and one semester.
Curriculum Development	Curriculum development: Guru Nanak Dev Engineering College has ensured the revision and updation of the curriculum to help the students to achieve better employability start-ups and other avenues for higher studies. The curriculum revision has taken into account the Stipulation given by the AICTE and the requirements of the Industry and other stakeholders. For Curriculum Development, each department has its Board of Studies (BOS), which comprises of panel of members that include industrialists, subject experts, faculty members and alumni. Regular meetings of the BOS help in getting the best of the inputs from the

	fields of academics, Industry, Parents and the alumni which are incorporated in the curriculum after deliberations and reaching unanimous decision.
Examination and Evaluation	Examination and Evaluation: The institute follows the continuous evaluation method under which students have to appear in three mid semester Examinations taken at the regular intervals and covering the whole of the syllabus in various parts. Apart from these examinations the students are assessed for their performance in the Lab Practice, Project, tutorials, Seminar, quiz, group discussions and Term Work that reflects the understanding of the students and their practical acumen. The performance is monitored by the subject teacher. At the end of the semester, Practical/Oral/Presentation/ viva is conducted and assessed jointly by internal and external examiner. The Mid semester examinations are followed by the final end semester exams. Results analysis and Deptt. Wise review is carried out to suggest Remedial coaching to improve results. To inculcate transparency in evaluation Final Answer sheets are displayed to students. Accessibility of provisional result by the students is maintained by loading the results of the student in individual login . Effective Redressal mechanism for issues related to student results is also in place.
Research and Development	Research and Development: To encourage quality research work efforts are made to create research environment to engage faculty in research and mobilization of research grants. Institute promotes and supports faculty and students for publishing their research work. Faculty are encouraged to apply for projects from various funding agencies like AICTE, DST and UGC, etc. Financial aid is available both for the faculty and the Staff to encourage them to participate in Seminars, FDP, STTPs, Conferences and research papers both at the national level and the international levels. FDP's related to research and allied fields are conducted at regular intervals for keep the faculty/ staff/ students in line with the recent developments in the upcoming areas of

	research and development.
Library, ICT and Physical Infrastructure / Instrumentation	Library, ICT and Physical infrastructure: The institution has a well-established Air Conditioned Central Library having rich collection of books, online books, print Journals, online journals, back volume journals thus catering to the needs of Undergraduate, Post Graduate students and faculty. The books are classified according to DDC 23rd latest edition through Web Dewey service. Library is fully computerized with E-Granthalaya software package. Library collection can also be accessed through Web OPAC at any terminal on the Campus Network. Library is also connected with DELNET for inter library loan and document delivery services. Apart from the well stocked library all the classrooms are fitted with modern ICT tools and the labs are upgraded at the regular intervals by acquisition of the modern machinery and tools.
Human Resource Management	Human Resource Management: Human resources are the most important asset for any Institution, at GNDEC the faculty and the staff are recruited and developed as per the guidelines issued by AICTE , Faculty/Staff requirements are obtained from all Heads of Department and reviewed by the Principal. Advertisement in given in the leading newspapers and Institute website which is followed by conducting interviews followed by the Approval from the management. Annual appraisal of all faculty/ staff is done by HOD and reviewed by the Principal. Promotions of the faculty/Staff as are as per the AICTE guidelines.
Industry Interaction / Collaboration	Interaction with industry for providing industrial exposure to students and faculty is of prime importance at Guru Nanak Dev Engineering College. The institute has a dedicated team of Training Placement cell which acts as the interface between various companies seeking talented young graduates and post graduates in various disciplines. The Cell is well equipped with ample infrastructure in Terms of Testing halls, Consultancy Hall, Conference room, for Pre Placement Talk, Presentations etc and Computer labs for online tests also the cell has video conference facility available for the

	students. In order to accomplish Industry-Institute Interaction it organizes technical talks and national seminars to provide a platform for the budding engineers to interact with professionals from various industries. It encourages visits to the industries by the college students. An industry institute interaction programme has been started under TEQIP-II where students visit the industries on a regular basis.
Admission of Students	Admission of the students at GNDEC which runs seven Engineering Branches (Civil Engg., Mech. Engg, Elect.Engg., Electronics Comm. Engg, Computer Sc. Engg,, Information Technology, Production Engg.) at UG level and 15 PG level courses including MBA, MCA is strictly according to the stipulated norms. For admission to the Engineering Courses, 85 seats are open to the candidates from within the State and 15 to candidates from outside the State. For admissions to B.Tech., candidates should have appeared in the JEE (Main) Examination conducted by CBSE, New Delhi. In order to attract meritorious students Advertisements in leading newspapers is given, Brochure of the Institute is prepared Department Newsletters and College magazine are printed.

6.2.2 – Implementation of e-governance in areas of operations:

E-governace area	Details
Student Admission and Support	In house software was developed in 2011
Examination	In house software was developed in 2012

6.3 – Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
No Data Entered/Not Applicable !!!				
View File				

6.3.2 – Number of professional development / administrative training programmes organized by the Colleges for teaching and non teaching staff during the year

Year	Title of the professional development programme	Title of the administrative training programme	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)

	organised for teaching staff	organised for non-teaching staff					

<div align="center">**No Data Entered/Not Applicable !!!**</div>

<div align="center">View File</div>

6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration

<div align="center">**No Data Entered/Not Applicable !!!**</div>

<div align="center">View File</div>

6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
0	**35**	**0**	**9**

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
As per AICTE Norms	**As per State Govt. norms**	**As per Govt. Norms**

6.4 – Financial Management and Resource Mobilization

6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

• Each year Guru Nanak Dev Engg. College conducts financial audit through competent authority • Auditors Visit College at regular intervals. • Each financial transaction is checked thoroughly. Right from ascertaining its sanction by competent authority, to its proper execution and implementation. • Audit is conducted in accordance with the Auditing standards generally accepted in India. • The audit report is open to public scrutiny. Normally, there are no major audit objections. In most cases objections are minor in nature. In case of an audit objection, these are complied with and necessary corrective measures are taken. Annual statements of accounts providing income and expenditure statement of academic and administrative activities of previous five years are mentioned below. Hard copies Audited Balance Sheets for each Accounting head for past five years are available for reference.

6.4.2 – Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose

<div align="center">**No Data Entered/Not Applicable !!!**</div>

<div align="center">View File</div>

6.4.3 – Total corpus fund generated

<div align="center">**51339874**</div>

6.5 – Internal Quality Assurance System

6.5.1 – Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External	Internal

	Yes/No	Agency	Yes/No	Authority
Academic	Yes	University, NAAC and NBA	Yes	Institutes committees
Administrative	Yes	University and NAAC	Yes	Nankana Sahib Education Trust

6.5.2 – Activities and support from the Parent – Teacher Association (at least three)

There are regular interactions between the Institute and the stake holders as parents and Teacher associations who provide Involvement of parents in different initiatives is always appreciated. Parents contribute and give their valuable suggestions through their representation on following activities. • Regular feedback is taken from them to improve upon the overall quality of the Curriculum and the overall personality of the students. • These associations are actively involved in the Technical and financial help to the students. • Members from these bodies are the active members of the BOG, Academic council and the Board of Studies and provide instrumental inputs for overall quality enhancement. • Parents from industrial sector supports for enhancing industry institute interaction • Feedback on Curriculum

6.5.3 – Development programmes for support staff (at least three)

The supporting staff is encouraged to enhance their skills and their qualifications by arranging workshops and reimbursement of requisite fees • Workshop on the Role of Library in NIRF Ranking was conducted for Staff on 11th June 2019. • Reimbursement of fee for qualification upgradation Workshop Mr. Hardeep Singh (Instructor Workshop) Part Time Diploma in Bicycle and Sewing Machine R D Polytechnic College Focal Point Ludhiana Establishment Mrs. Manpreet Kaur (Clerk) M.Sc (IT) Punjabi University Patiala Mechanical Engineering Mr. Gurwinder Singh (Lab Technician) M.Tech Mechanical Engineering (Part Time) Punjabi University Patiala

6.5.4 – Post Accreditation initiative(s) (mention at least three)

Department Elective and Open Elective courses in all UG and PG courses have been introduced. IPR Cell have been strengthen and its activities have been enhanced. Green Initiative have been taken including Waste management. Research policy has been placed.

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b)Participation in NIRF	Yes
c)ISO certification	Yes
d)NBA or any other quality audit	

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
No Data Entered/Not Applicable !!!					
[View File](#)					

CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Extension Lecturer on Gender Sensitization	29/08/2018	29/08/2018	200	50
Role of Indian Women In Manufacturing Sector	17/01/2019	17/01/2019	200	100
Administrative Skill required for becoming an expert in higher education sector	03/04/2019	03/04/2019	200	50

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources
5.45

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Ramp/Rails	Yes	3800
Scribes for examination	Yes	1
Provision for lift	Yes	400

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
No Data Entered/Not Applicable !!!							
View File							

7.1.5 – Human Values and Professional Ethics

Title	Date of publication	Follow up(max 100 words)
Code of conduct and profession ethics	25/04/2019	The draft copy of professional code of ethics was circulated amongst the stakeholders and suggestions were sought from them before finalising and adopting the same. Thereafter, meetings were held with

			respective stakeholders to address any of their concerns. These efforts were carried out to facilitate adoption of the code in true spirit, so as to reap the actual benefits of building up such a handbook of guiding principles.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
No Data Entered/Not Applicable !!!			
View File			

7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

1. Rain Water Harvesting 2. Waste Water recycling 3. Installation of Solar power generation plants 4. Excellent green cover in the campus in the form of trees and other plants which are maintained regularly. 5. Installation of Sewage treatment Plant 6. Prohibiting the entry of vehicles inside the campus. The vehicles are restricted to the parking only.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Describe at least two institutional best practices Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link A) TITLE: OF THE PRACTICE: Display of evaluated answersheets of the end semester examination OBJECTIVES OF THE PRACTICE: 1. To ensure fair marking of the answer sheets. 2. To instill student confidence in evaluation process. 3. To ensure transparency in evaluation process. 4. To provide effective feedback to the students for improving their academic performance in future. 5. To provide dependable and reliable academic environment. THE CONTEXT: The institute was awarded academic autonomy in year 2012. Under the autonomous status, the institute was required to develop its own curriculum and conduct the examinations at its own. The self conduct of examination involved every phase of examination including, paper setting , evaluation and result preparation to be carried out by the institution with utmost sanctity and confidentiality. Since it was to be an altogether new experience for the students and was therefore essential to plan the system in a way which the students embrace with open arms. In this context the practice of display of answerheets to the students was started so as to develop a positive attitude s and to satisfy students towards the newly designed examination system of the institute. THE PRACTICE: A separate section of Examination Branch with its overall incharge as "Controller of Examination" has been constituted at the college level . This section is primarily responsible for all the examination related tasks. The practice of display of answersheets to the students after the same have been duly evaluated, starts with the declaration of provisional result by the examination branch. Once the provisional result has been declared and notified to the student in their respective login IDs (created at the time of admission of a student to the institute), total schedule is notified to the different departments for the collection (from examination branch) and display of answersheets to the students. The designated exam coordinators from the various departments follow the schedule and collect the answersheets from the examination branch and simultaneously notify the schedule of display for the students of their respective department. As per the

planned and notified schedule the students are displayed evaluated answersheets by the concerned faculty of respective department. In case a student observes any anomaly in terms of totaling mistake/ wrong evaluation/ unchecked answers, he/she is provided with a requisite application form which can be filled and submitted. Such application so received during the display process are forwarded to the examination branch alongwith the return of the evaluated answersheets once the display process is over. The examination branch then takes action on the applications received from students for any evaluation anomalies. In case there is a totaling mistake/ unchecked answer error, the examination branch carries out the rectification at its own end. However if the student has applied for re-evaluation of the answersheet, the examination branch gets the same done from an evaluator other than the one who evaluated the answersheet during its first evaluation. This second evaluation is a blind evaluation as the scores stated in such answersheets during first evaluation are hid before being presented to the new evaluator. Once re-evaluated, the changes in results(if any) are renotified before the declaration of the final result. EVIDENCE OF SUCCESS: Students have shown keen interest in viewing their end semester answer sheets and raise objections and re-evaluation wherever they feel so. The system has instilled greater confidence in students as regards fair evaluation of their academic performance. PROBLEMS ENCOUNTERED AND RESOURCES REQUIRED: Initially there was an element of skepticism both at the student and the evaluator level, however with the efforts of the administration and the examination section the system now operates in a robust manner. B) TITLE: OF THE PRACTICE: Student Mentoring System OBJECTIVES OF THE PRACTICE: 1. To enhance the communication skills of the students 2. To augment the personality traits of the students to successfully take up challenging roles in professional career. THE CONTEXT: As per the admission policy of the institute, 70 percent of the seats are reserved for the students from rural background. This rural background id ascertained in terms of a student's socioeconomic as well as educational background. In other words the student needs to have 1. a prescribed minimum years of stay in some bonafide rural area of Punjab state and 2. should have undergone a prescribed minimum years of education from some bonafide rural area of Punjab state. The idea of the institute behind this policy has been to bring the rural brotherhood at par with their urban counterparts in terms of technical and professional skills which shall subsequently result in enhancement of their social and economic status. THE PRACTICE: The students admitted in each course are divided into groups of 15-20 students each. Each group thus formed is attached to a faculty member as a mentor for the complete duration of his/her degree. The faculty member allocated maintains constant touch with his mentees .Towards this end, in majority of the courses, mentoring classes are also planned in the schedule and the same are duly mentioned in the time table as well. A mentor is supposed to maintain record of all the achievements of the students with all his details which include his photograph, his parents photogarphs and their phone numbers and email ids, his previous results and his achievements during the course work. A mentorship file with all demographic, personal as well as academic details are maintained by the mentor for achieving the above stated task. During these classes or otherwise, the mentor gets an opportunity to come in direct contact with the allocated mentees . Apart from these formal classes informal contact for any support during the working and non-working hours between mentor-mentee is also encouraged in the institute. In this formal contact or otherwise informal contacts with the mentees, the students' aspirations related to their professional career are identified by the respective mentors. Additionally the mentors also attempt to identify the strengths and weaknesses of their student mentees from professional career perspective and devise customized methodology to work on the weaknesses. The mentors are acting as second parents and serve as support mechanism to students. They try to find out the problems being faced by the students and

find solutions to these problems. The trust factor over a period of time increases so much that mentees discuss even their personal problems. They seek all types of guidance whether it is related to their careers or their studies. EVIDENCE OF SUCCESS: Over the years the students have done exceptionally well in professional career as mentoring proved to be continuous boost to the mentees during their stay in the institute . The practice has been able to guide to the mentees on developing both their personality and professional skills. The excellent career profiles of a majority of the alumnus in organisations of international repute is a witness to its success. The success of this system can be seen in the fact that even years after graduation the mentees maintain contact with their mentors and share their success. PROBLEMS ENCOUNTERED AND RESOURCES REQUIRED: As such no problems have been encountered in this ongoing practice. The institute is utilising the faculty on rolls as the major resource to achieve this end. Further for generalized problems/ weaknesses encountered in student groups for specific issues like below average communication skills etc special expert lectures/workshops are arranged from specialists in the field beyond the institute faculty. The mentors try to find out which areas their mentees need specialized attention and then arrange special sessions to overcome the deficiencies.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

Provide the details of the performnce of the institution in one area distinctive to its vision, priority and thrust Provide the weblink of the institution in not more than 500 words India is a predominantly rural economy with 70 percent of the population living in the villages and not having enough awareness and opportunities as regards to professional education. Keeping this in view GNDEC which was established in 1956 envisaged a need to uplift the brilliant students from rural background to become technocrats. In the process it was decided to reserve 70 percent of the total seats in engineering programmes for students with rural background. This was a unique initiative with no parallel in pan India search. These rural students had some basic issues as regards to communication skills, understanding of English language and also a fear of the city people. The college atmostphere was so created so as to enable the rural folk to atleast come to the level or become better than their city counterparts in terms of their professional expertise. Special attention was paid to developing communication skills through personalized contact of students with the faculty under the mentorship system. In this mentorship system a student was assigned a faculty mentor right at the time of admission to the institute who would be monitoring his/her performance over the total tenure of his/her degree till its completion. In addition to that English language classes were arranged to bring the language skills at par with the urban counterparts. This proficiency was achieved through continuous practice sessions in the English laboratory, delivery of seminars as a part of the curriculum. To build the confidence in the students from rural background various societies and their chapters were established in the college as the likes of Students' Chapter Institution of Engineers(India), Indian Society for Technical Education, Society for Automotive Engineers etc. These societies were primarily focused on organizing various activities including debates, declamations, quizzes, paper presentation, extempore etc. The events under these societies were supposed to be organized by the students under the guidance of faculty advisor. These societies necessitated the appointment of

student office bearers who were supposed to be elected by the member students. These selected office bearers were supposed to plan and execute the holding of various events under the banner of respective societies. In addition to these activities being organized on monthly weekly basis within the college, the member students were encouraged to participate in such activities being organized at other institutes/universities. To promote this culture special marks were dedicated under general fitness category which is a due component of the curriculum. This exercise not only removed the fear of stage but also instilled necessary public speaking skills thereby making the students graduating from the college highly acceptable to the market and society as a whole. Since the students are predominantly from rural background they are well aware of the problems exisiting in the rural areas. The National Service Scheme unit of the institute plans, organizes activities to address such rural problems like prevention of female foeticide, rural illiteracy ,drug de-addiction, general hygiene and cleanliness etc. thereby giving the student members a connect with their community and also bridging the gap between the urban and the rural. All these unique efforts stated above have been able to create an overall personality development of the students in addition to their academic learning. This has resulted in creation of successful role models for the institute in terms of extraordinary career profiles of the alumnus of this institute. Many of the students could be located on the worldwide map serving at top positions or running their own successful ventures. This includes administrative, engineering and defence services of the Indian government / state governments in the country and even such services in other countries.

Provide the weblink of the institution

8.Future Plans of Actions for Next Academic Year

To improve research capacity and research outcomes of the institute. To Improve program outcomes of the student. To bring the institute to the national forum through NIRF ranking.