



SELF STUDY REPORT

FOR

3rd CYCLE OF ACCREDITATION

DRONACHARYA COLLEGE OF ENGINEERING

KHENTAWAS FARRUKHNAGAR GURGAON HARYANA

123506

ggnindia.dronacharya.info

Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

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1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

Dronacharya College of Engineering, **established in 1998**, sponsored by Smt.Anguri Devi Charitable Trust ,Affiliated to Gurugram University (GU), Gurugram, Haryana and Approved by All India Council for Technical Education (AICTE), New Delhi .

College is recognised in the band "**EXCELLENT**" under the category "Colleges/Institutes (Private / Self Financed) (Technical)" in **Atal Ranking of Institutions on Innovation Achievement(ARIIA) 2021**, a flagship program of the **Ministry of Education,Government of India**.

College is certified with ISO 21001: 2018 and 10001 : 2018.

College is **4 star rated** remote centre by **IIT Bombay**.

College is awarded with "Outstanding Institution Award" under “Engineering College Category” for the year 2022-23 and 2012-13 by National Institute of Technical Teachers’ Training and Research (NITTTR) , Chandigarh

Institution's Innovation Council (IIC), Ministry of Education (MoE), was established in the year 2018-19 with the objective to promote innovation, entrepreneurship, and industry collaboration among students and faculty.

College offers programmes in Bachelor of Technology with 8 specialisations and Master of Technology with 4 specialisations.

College has a aim of providing quality higher education to bridge the gap between Academia and Industry. It persistently seeks and adopts innovative methods to improve the quality of higher education on a consistent basis.

Two departments namely **Computer Science and Engineering** and **Computer Science and Information Technology** are **accredited by NBA**. College is providing state of art infrastructure for conducive learning atmosphere for the students with dedicated Faculty members.

College is having collaboration with national and international forums such as **IIT Bombay and Kyushu Institute of Technology, Japan etc.**

College is having enrollment more than 85% on an average and more than 70 % placement record on an average.

Vision

Empowering human values and advanced technical education to navigate and address global challenges with excellence.

Mission

- M1 - Seamlessly integrate human values with advanced technical education.
- M2 - Supporting the cultivation of a new generation of innovators who are not only skilled but also

ethically responsible.

- M3 - Inspire global citizens who are equipped to create positive and sustainable impact, driving progress towards a more inclusive and harmonious world.

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

Qualified & experienced faculty.

Student Enrollment is more than 85%

Good Faculty retention

Placement is more than 70%

Facilitating students and faculty by cash rewards for qualifying in Competitive exams (GATE/CAT/UGC-NET)

State of Art infrastructure for effective teaching learning.

More linkages with Industry and National/International Research institutions.

Industry Supported training by i-Mac

Active NSS Cell

Student Clubs for co-curricular and extra- curricular support.

Institutional Weakness

Research consultancies

Research publications in indexed journals

Patents Grant

Institutional Opportunity

Academic Autonomy

Linkages with other research institute and industries

NRI / PIO student admission

Institutional Challenge

Admission in core branches of Engineering.

Making the students Industry Ready

New technology adoption

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

The college is affiliated to Gurugram University, Gurugram, Haryana. The curriculum is blended with multi-disciplinary and interdisciplinary courses. The institute adheres to the Academic calendar prepared bi-yearly according to the calendar provided by Gurugram University, Gurugram at the beginning of the academic session.

There is a continuous evaluation system. Two Internal sessional examinations are conducted in a semester for each course.

To enhance the learning methodology, the institute offers courses, many add-on courses and online courses of MOOCs, SWAYAM, NPTEL etc.

Curriculum is blended with cross-cutting issues relevant to gender, environment and sustainability, human values and professional ethics. The college takes efforts for integration of ethical and human values through extra-curricular and co-curricular activities also.

College is having the mechanism of collecting feedbacks from all its stakeholders and analyzing for improvement. College is having the policy of maintaining transparency in its functioning by exposing through its website.

Teaching-learning and Evaluation

College is aiming to provide more sophisticated teaching-learning atmosphere for faculty and the students which is evident from the enrollment ratio, having on an average more than 85%..

Faculty prepares the learning content on student centric approach by incorporating methods like experiential, participative and problem solving methodologies. In addition to conventional teaching learning methods, faculty are using ICT enabled tools such as Smart boards, simulation tools, Google Classroom, Video Conferencing Tools: Microsoft Teams, ZOOM, Google Meet, PPT, Video clippings, Audio system, online sources etc. All the classrooms are equipped with smart boards.

Regular assessment of students is done by daily Home Assignments, Class Assignments, S

eminars and Group Discussions, Quizzes, Class Tests, Projects, Internships, Viva-voice examinations and attendance. Two Sessional Examinations for internal assessments and an end-term semester examination for external assessments are conducted. College is having transparent mechanism for solving the grievances of students in their assessments.

Curriculum is defined with COs and POs for all programmes and made available on the college website. Attainment of POs and COs are evaluated based on the students performance in internal and external assessments.

Research, Innovations and Extension

College is aiming to provide very good research ambience to faculty and students. Faculty and students are preparing and submitting the research proposals to the funding agencies such as DST etc. College is also providing seed money for research by faculty and students.

By having IIC, IEDC and incubation centre college has created avenues for innovations.

Curriculum is blended with courses having the objective of exposing Indian Knowledge System to the students. Some of the courses are Constitution of India, Essence of Indian Traditional Knowledge etc. College has organised an Exposure visit to Indian Knowledge Systems Centre: The Center for Art and Archaeology for students.

College organized several workshops and seminars on yearly basis in the areas of Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship.

The college arranges a number of extension activities to sensitize the students towards community needs. The college runs four units of NSS effectively. Through these units, the college undertakes various extension activities in the neighbourhood community. By conducting various programmes like Environmental Awareness, Personal Health and Hygiene, Diet awareness, Road Safety, Tree Plantation, Blood donation camps, etc.

College has received appreciation from the community for the services rendered by its students.

The college has linkages with national and the international forums for facilitating its students to get opportunities for internship, on-the-job training, project work, student / faculty exchange and collaborative research such as IITs, DRDO, ISRO, AAI

Infrastructure and Learning Resources

The college has all the facilities for teaching –learning such as: ICT Enabled Classrooms , Laboratories with State of Art equipments, Computer Labs etc.

Adequate facilities for cultural and sports activities are being created on continuous manner such as recreational hall with numerous musical instruments., Yoga Centre, Sports Room and Play fields for students and faculty members. A fully AC Auditorium fitted with LCD Projector & sound proof Audio-Video facilities is also available in the campus.

The library is automated and has a spacious reading hall and separate reference section. The IRCs operation and services are fully computerized with e-Granthalaya multi-user Integrated Library Automation Software.

The College has DELNET membership. Institution is member of National Digital Library of India (NDLI) and N-LiST also. The library has E-Resources For Differently Abled Students.

Institute continuously updates the IT infrastructure. The institution provides IT enabled teaching-learning environment in the campus. Campus is enabled with WiFi and CCTV facility is available in the institute. Freewifi facility is available across the campus for students as well as for faculty. Institute is using 600 Mbps Internet speed inside the campus. Anti-virus is regularly installed in computer. All computers has anti- virus

Student Support and Progression

College is organizing programmes for capacity development and skills enhancement for improving students' capability Soft skills, Language and communication skills, Life skills , ICT/computing skills.

College is conducting courses for career guidance and competitive examination participation such as

GATE/CAT Preparation sessions.

College has well defined policy in terms of Grievances Redressal like Anti-ragging, prevention of sexual harassments etc.

Training and placement Cell of the college supports students for internships and placements.

Students have won many awards for outstanding contributions in sports and cultural activities.

College has registered Alumni Association that contributes significantly to the development of the institution.

Governance, Leadership and Management

Management, IQAC, and other governing bodies fulfil the vision and mission statement of college. The administration is aiming to make the college as Centre of Excellence. Institution is facilitating the requirements to Faculty and students in terms of Teaching -Learning Process according to NEP guidelines.

Institution takes steps to fulfil its perspective plans by framing policies and setting up Academic Units which includes Service Rules and Code of Conduct of Faculty and Staff. Various policies are designed and implemented in the college by the respective authorities which includes e-governance etc.

College has effective appraisal system in force and various welfare schemes for Teaching and Non- teaching staff are taken care.

The institution has a well-defined mechanism to monitor effective utilization of available financial resources for the development of the infrastructure to augment academic needs which are monitored by internal and external audits.

Internal Quality Assurance cell (IQAC) is effectively functioning in the institution with a vision to maintain the quality in teaching learning process.

Institutional Values and Best Practices

College maintains proper and adequate measures for the promotion of gender equity. Both gender students are encouraged to participate in the events, presentations and competitions.

The Institution has facilities for Alternate sources of energy, management of the various types of degradable and non-degradable waste, water conservation, Green campus initiatives and Disabled-friendly, barrier free environment

College conducts Green Audit on yearly basis.

College organizes various programmes throughout the session which gives students an opportunity to understand the culture prevailing in different states and countries.

College follows the Best practices as follows:

1. Project Based Learning
2. Fostering Employability Skills

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	DRONACHARYA COLLEGE OF ENGINEERING
Address	Khentawas Farrukhnagar Gurgaon Haryana
City	Farrukhnagar
State	Haryana
Pin	123506
Website	ggnindia.dronacharya.info

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		
State	University name	Document
Haryana	Gurugram University	View Document
Haryana	Maharishi Dayanand University	View Document
Details of UGC recognition		
Under Section	Date	View Document
2f of UGC	04-05-2010	View Document
12B of UGC	04-05-2010	View Document

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	23-03-2024	24	EOA by AICTE is on yearly basis
AICTE	View Document	23-03-2024	24	EOA by AICTE is on yearly basis
AICTE	View Document	23-03-2024	24	EOA by AICTE is on yearly basis
AICTE	View Document	23-03-2024	24	EOA by AICTE is on yearly basis

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?	Yes
If yes, name of the agency	NITTTR, Chandigarh
Date of recognition	07-09-2023

Location and Area of Campus

Campus Type	Address	Location*	Campus Area in Acres	Built up Area in sq.mts.
Main campus area	Khentawas Farrukhnagar Gurgaon Haryana	Rural	10.4	22386

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	BTech,Computer Science And Engineering,CSE	48	XII PASSED	English	180	174
UG	BTech,Mechanical Engineering,ME	48	XII PASSED	English	30	18
UG	BTech,Computer Science And Information Technology, CSIT	48	XII PASSED	English	60	60
UG	BTech,Electronics And Communication Engineering, ECE	48	XII PASSED	English	60	60
UG	BTech,Electronics And Computer Engineering,ECS	48	XII PASSED	English	30	30
UG	BTech,Robotics And Automation,Robotics and Automation	48	XII PASSED	English	30	19
UG	BTech,Cse Iot And Cyber Security,CSE IoT and Cyber Security	48	XII PASSED	English	60	60
UG	BTech,Cse Artificial Intelligence	48	XII PASSED	English	180	180

	And Machine Learning,CS E Artificial Intelligence and Machine Learning					
PG	Mtech,Computer Science And Engineering,CSE	24	B.Tech	English	24	15
PG	Mtech,Mechanical Engineering,ME	24	B.Tech	English	12	1
PG	Mtech,Electronics And Communication Engineering,ECE	24	B.Tech	English	12	3
PG	Mtech,Information Technology,IT	24	B.Tech	English	12	0

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	19				34				92			
Recruited	13	6	0	19	10	24	0	34	22	70	0	92
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				91
Recruited	70	21	0	91
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				25
Recruited	18	7	0	25
Yet to Recruit				0

Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	13	6	0	10	34	0	13	21	0	97
M.Phil.	0	0	0	0	0	0	0	3	0	3
PG	0	0	0	0	0	0	9	46	0	55
UG	0	0	0	0	0	0	0	0	0	0

Temporary Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt/LLD/DM/MCH	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
UG	0	0	0	0	0	0	0	0	0	0

Part Time Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt/LLD/DM/MCH	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
UG	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	
	Others		Total	
	1		1	
	0		2	

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
UG	Male	939	899	0	0	1838
	Female	269	284	0	0	553
	Others	0	0	0	0	0
PG	Male	10	8	0	0	18
	Female	3	5	0	0	8
	Others	0	0	0	0	0

Provide the Following Details of Students admitted to the College During the last four Academic Years					
Category		Year 1	Year 2	Year 3	Year 4
SC	Male	10	5	3	4
	Female	8	1	1	1
	Others	0	0	0	0
ST	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
OBC	Male	149	152	152	141
	Female	57	34	34	20
	Others	0	0	0	0
General	Male	317	330	301	292
	Female	117	120	82	86
	Others	0	0	0	0
Others	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
Total		658	642	573	544

Institutional preparedness for NEP

1. Multidisciplinary/interdisciplinary:	<p>Dronacharya College of Engineering, Gurugram is an affiliated institute of Gurugram University, Gurugram (Haryana). Curriculum provided by the affiliating University is followed. Curriculum is blended with many multidisciplinary / interdisciplinary courses. Various courses that are provided as a field of study for its students include Computer Science Engineering and Electronics & Communication Engg. The engineering courses like Computer Science and Information Technology, Electronics and Computer Science Engineering are a few engineering disciplines that college has introduced to follow an interdisciplinary approach. The college aims at multidisciplinary and</p>
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	interdisciplinary approach whereby students are motivated to utilize their intellectual, aesthetic, social, physical, emotional, and moral knowledge in an integrated manner. The multidisciplinary education system aims to develop overall personality of students. At the same time the institution is also prepared to work on interdisciplinary approach. Students are gauged on their ability to research and learn based on problem solving and activity-based education, to incorporate necessary skills to bridge the gap between academia and industry.
2. Academic bank of credits (ABC):	College is an affiliated institute, affiliated with Gurugram University, Gurugram (Haryana). Institution follows the guidelines issued by Gurugram University, with regard to Academic bank of credits (ABC).
3. Skill development:	Keeping in view the growing demand of skilled technocrats in public and private sector, institute focuses to enhance both hard skill and soft skill of the students. Institute at regular interval organizes many workshops, seminars, guest lectures to make students aware of latest technology. Students are undergoing compulsory internship during their course period for enhancing their knowledge and skill. Apart from technical skill for the overall personality development of student's institute also organizes many sessions on life skills, communication skill, problem solving skill, decision making skill. Institute engages and motivates learners to develop the vocabularies from first year onwards to speak and write in English without mistakes.
4. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course):	The preservation and promotion of India's cultural wealth must be considered a high priority for the country, as it is truly important for the nation's identity as well as for its Economy. In this regard appropriate integration of the Indian Knowledge system particularly teaching in Indian languages is important. Equal importance is given to Hindi language as well. Faculty members teach in both the languages English as well as Hindi. Institute celebrates Hindi Diwas in campus.
5. Focus on Outcome based education (OBE):	Institute is imparting knowledge to the students by providing Outcome Based Education (OBE). All the courses in the curriculum are well defined with

	course objectives and course outcomes. Further course outcomes are mapped with POs, PEOs and PSOs. Evaluation Process of students are carried out and analysed with PO-CO mapping. This method makes students to learn knowledge and able to contribute in their domain.
6. Distance education/online education:	College is running regular programmes, distance education is not applicable. Students are encouraged to take online courses from SWAYAM Platform for better learning. Self learning additional online courses are provided to students such as Spoken Tutorial by IIT Bombay, Infosys Spring Board, IBM Skill Board, TCS Online courses. etc.

Institutional Initiatives for Electoral Literacy

1. Whether Electoral Literacy Club (ELC) has been set up in the College?	Yes, ELC has been set up in the College with the following objectives: 1. The main objective of ELC is to Educate students about voter registration, electoral process and related matters through hands on experience. 2. Enable critical thinking on issues related to election rights, democracies and its processes. 3. Familiarize students with EVM and VVPAT and educate them about robustness of EVM and integrity of the electoral process using EVMs. 4. Develop a culture of electoral participation and maximize the ethical voting and follow the principle 'Every vote counts' and 'No voters to be left behind'.
2. Whether students' co-ordinator and co-ordinating faculty members are appointed by the College and whether the ELCs are functional? Whether the ELCs are representative in character?	Yes, Students' co-ordinator and co-ordinating faculty members are appointed by the College. Yes, ELC is fully functional. Yes, ELC is representative in Character. ELC Website link : https://ggnindia.dronacharya.info/dce-nss-club/Electoral-Literacy-Club.aspx
3. What innovative programmes and initiatives undertaken by the ELCs? These may include voluntary contribution by the students in electoral processes-participation in voter registration of students and communities where they come from, assisting district election administration in conduct of poll, voter awareness campaigns, promotion of ethical voting, enhancing participation of the under privileged sections of society especially transgender,	Electoral Literacy Club (ELC's) acts as a platform to promote electoral literacy to the students through interesting activities and hands-on experience and sensitize them on their electoral rights and familiarize them with the electoral process of registration and voting but in an apolitical, neutral and non-partisan manner. On 25th January of every year College celebrates National Voters Day by conducting events.

commercial sex workers, disabled persons, senior citizens, etc.	
4. Any socially relevant projects/initiatives taken by College in electoral related issues especially research projects, surveys, awareness drives, creating content, publications highlighting their contribution to advancing democratic values and participation in electoral processes, etc.	The College conducted many programmes on Awareness of Voting Rights to the students on National Voters Day. Under Unnat Bharat Abhiyan jointly with IIT Delhi College also organised Awareness Programme on Voting Rights in nearby villages.
5. Extent of students above 18 years who are yet to be enrolled as voters in the electoral roll and efforts by ELCs as well as efforts by the College to institutionalize mechanisms to register eligible students as voters.	All students above 18 years studying in the institution are being guided to enroll on Electoral Roll by the members of ELC .

Extended Profile

1 Students

1.1

Number of students year wise during the last five years

2023-24	2022-23	2021-22	2020-21	2019-20
2394	2393	2232	2098	1886
File Description		Document		
Upload Supporting Document		View Document		
Institutional data in prescribed format		View Document		

2 Teachers

2.1

Number of teaching staff / full time teachers during the last five years (Without repeat count):

Response: 161

File Description	Document
Upload Supporting Document	View Document
Institutional data in prescribed format	View Document

2.2

Number of teaching staff / full time teachers year wise during the last five years

2023-24	2022-23	2021-22	2020-21	2019-20
144	142	152	148	152

3 Institution

3.1

Expenditure excluding salary component year wise during the last five years (INR in lakhs)

2023-24	2022-23	2021-22	2020-21	2019-20
1227.20	1359.39	1124.48	1038.51	1063.95

File Description	Document
Upload Supporting Document	View Document

4. Quality Indicator Framework(QIF)

Criterion 1 - Curricular Aspects

1.1 Curricular Planning and Implementation

1.1.1

The Institution ensures effective curriculum planning and delivery through a well-planned and documented process including Academic calendar and conduct of continuous internal Assessment

Response:

The Institution is Affiliated with Gurugram University, Gurugram, Haryana.

Curriculum provided by the Affiliating University is being followed. Delivery of courses in the curriculum are being carried out by the following processes:

Step 1. Academic Calendar issued by the Affiliating University

Step 2. Institution prepares Academic Schedule as per the provisions made by the University having included with Commencement of session, Internal Sessional Examination, Practical Exam Schedule, and End Semester Exam Schedule

Step 3. Load distribution by the Head of Department

Step 4. Session Plan and Delivery Mechanism are prepared by Course Faculty and start implementing

Step 5. Mid semester feedback collection by the course faculty is done and analysed by the Head of Department.

Step 6. Feedback Review meeting is conducted for corrective actions, if any.

Step 7. Continuous Assessment In each semester by conducting two internal sessional examinations .Based on the marks of the students improvement classes are also conducted by the faculties so that students can score well in their university examinations.

With the help of the Systematic Procedure as said above , institutions ensures effective curriculum planning and delivery through a well-planned and documented process.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

1.2 Academic Flexibility

1.2.1

Number of Certificate/Value added courses offered and online courses of MOOCs, SWAYAM, NPTEL etc. (where the students of the institution have enrolled and successfully completed during the last five years)

Response: 143

File Description	Document
List of students and the attendance sheet for the above mentioned programs	View Document
Institutional programme brochure/notice for Certificate/Value added programs with course modules and outcomes	View Document
Institutional data in the prescribed format	View Document
Evidence of course completion, like course completion certificate etc. Apart from the above:	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

Other Upload Files

1

[View Document](#)**1.2.2**

Percentage of students enrolled in Certificate/ Value added courses and also completed online courses of MOOCs, SWAYAM, NPTEL etc. as against the total number of students during the last five years

Response: 82.7

1.2.2.1 Number of students enrolled in Certificate/ Value added courses and also completed online courses of MOOCs, SWAYAM, NPTEL etc. as against the total number of students during the last five years

2023-24	2022-23	2021-22	2020-21	2019-20
2214	1578	1851	1655	1801

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

1.3 Curriculum Enrichment**1.3.1**

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

Response:

Institute curriculum commendably incorporates cross-cutting issues relevant to gender, environment and sustainability, human values and professional ethics and leads to a strong value-based holistic development of students.

Students are sensitized and encouraged to work towards gender equality. Free counseling services are provided through a Counseling Cell. Health checkup camps organized and counseling is also offered to the students on related topics. The college takes efforts for integration of ethical and human values through extra-curricular activities also. Many games and clubs are formed where both genders actively participate in the events. College has conducted many activities such as Student Development Workshop on “Humanity, Ethics, Motivation & Technology, Session on “Strengthening Your SOFT SKILLS in the Workplace” etc.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

1.3.2

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

Response: 48.83

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

Response: 1169

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

1.4 Feedback System

1.4.1

Institution obtains feedback on the academic performance and ambience of the institution from various stakeholders, such as Students, Teachers, Employers, Alumni etc. and action taken report on the feedback is made available on institutional website

Response: C. Feedback collected and analysed

File Description	Document
Feedback analysis report submitted to appropriate bodies	View Document
At least 4 filled-in feedback form from different stake holders like Students, Teachers, Employers, Alumni etc.	View Document
Action taken report on the feedback analysis	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document
Link of institution's website where comprehensive feedback, its analytics and action taken report are hosted	View Document

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1

Enrolment percentage

Response: 83.82

2.1.1.1 Number of seats filled year wise during last five years (Only first year admissions to be considered)

2023-24	2022-23	2021-22	2020-21	2019-20
626	582	602	654	639

2.1.1.2 Number of sanctioned seats year wise during last five years

2023-24	2022-23	2021-22	2020-21	2019-20
708	756	756	756	726

File Description

Document

Institutional data in the prescribed format

[View Document](#)

Final admission list as published by the HEI and endorsed by the competent authority

[View Document](#)

Document related to sanction of intake from affiliating University/ Government/statutory body for first year's students only.

[View Document](#)

Provide Links for any other relevant document to support the claim (if any)

[View Document](#)

2.1.2

Percentage of seats filled against reserved categories (SC, ST, OBC etc.) as per applicable reservation policy for the first year admission during the last five years

Response: 35.87

2.1.2.1 Number of actual students admitted from the reserved categories year wise during last five years (Exclusive of supernumerary seats)

2023-24	2022-23	2021-22	2020-21	2019-20
127	126	133	142	136

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

2023-24	2022-23	2021-22	2020-21	2019-20
354	378	378	378	363

File Description	Document
Institutional data in the prescribed format	View Document
Final admission list indicating the category as published by the HEI and endorsed by the competent authority.	View Document
Copy of communication issued by state govt. or Central Government indicating the reserved categories(SC,ST,OBC,Divyangjan,etc.) to be considered as per the state rule (Translated copy in English to be provided as applicable)	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

2.2 Student Teacher Ratio

2.2.1

Student – Full time Teacher Ratio
(Data for the latest completed academic year)

Response: 16.63

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 and teachers use ICT- enabled tools including online resources for effective teaching and learning process

Response:

The institute practices a teaching methodology which focuses on imparting education through a student centric approach. This methodology helps students to boost their confidence and encourage independence. Teaching-learning methods adopted by the faculty members includes Experiential Learning, Participative Learning, Interactive Method, Project-based Learning etc. The Teaching-learning activities are made effective through illustration and special lecture.

Experiential Learning: Experiential learning supports students in applying their knowledge and conceptual understanding to real – world problems.

1. Students are encouraged for internships.
2. Students are encouraged to participate in competitions.
3. Students are encouraged to participate in various national and international conferences and write a research paper so that students can have advance knowledge of the subject.
4. Various Guest Lecture, Seminar and workshop are organized to bridge the gap between institution and industry
5. Students are encouraged for value added courses by the market experts such as Microsoft/Google/ NSE etc. to develop expertise
6. Add-on Courses on latest technologies with NPTEL, ICT (ITK, IIT B, IITM) Coursera, SWAYAM etc.

Participative Learning:

To develop innovative as well as creative skill among students the institution believes in the concept of participative learning and applying problem-solving methodologies in the teaching pedagogy.

1. Laboratories are equipped with latest equipment to involve students in practical and give them practical knowledge.
2. Active involvement of students in group discussion during the class
3. Fresher's party, farewell, sports meet, women day celebration and many more are organized so that students can show their talent and creativity
4. To develop leadership and team work spirit students are core members of various clubs in the institution.
5. Discussions are held basically on soft skills, managerial communications, business adoptions etc.
6. The activities and Camp of NSS, institutional social responsibility likes Village Adoption, Tree plantation. Swatchh Bharat and Health awareness camp to help the students to learn Art of living in a team for social and community welfare.

Participative Learning:

Problem solving methodologies are an integral part of all courses in all programmes.

1. Case studies
2. Analysis and Reasoning
3. Quizzes
4. Research Activities
5. Various competitions are organized by the institute.
6. Students have to do two projects, Mini Project and Major Projects.
7. Students are encouraged to participate in Project competitions.

In addition to traditional board and chalk teaching, faculty members are using the IT-enabled learning tools like power point presentation, videos, audios, virtual labs in order to expose the students for advance knowledge and practical learning. Classrooms are having necessary ICT Tools like projectors. Library has a wide range of e-resources. E-Resources can be accessed from any networked computer in the institute. Add-on course on advance technology through ICT (IITK, IITB, NITTTR Chandigarh).

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

2.4 Teacher Profile and Quality

2.4.1

Percentage of full-time teachers against sanctioned posts during the last five years

Response: 100

2.4.1.1 Number of sanctioned posts year wise during the last five years

2023-24	2022-23	2021-22	2020-21	2019-20
144	142	152	148	152

File Description	Document
Sanction letters indicating number of posts sanctioned by the competent authority (including Management sanctioned posts)	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

2.4.2

Percentage of full time teachers with NET/SET/SLET/ Ph. D./D.Sc. / D.Litt./L.L.D. during the last five years (consider only highest degree for count)

Response: 54.74

2.4.2.1 Number of full time teachers with NET/SET/SLET/Ph. D./ D.Sc. / D.Litt./L.L.D year wise during the last five years

2023-24	2022-23	2021-22	2020-21	2019-20
89	86	79	76	74

File Description	Document
List of faculties having Ph. D. / D.Sc. / D.Litt./ L.L.D along with particulars of degree awarding university, subject and the year of award per academic year.	View Document
Institution data in the prescribed format	View Document
Copies of Ph.D./D.Sc / D.Litt./ L.L.D awarded by UGC recognized universities	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

2.5 Evaluation Process and Reforms

2.5.1

Mechanism of internal/ external assessment is transparent and the grievance redressal system is time- bound and efficient

Response:

The institution provides quality education to students. The institution believes that assessment is essential and vigorous benchmark of the teaching-learning process. The assessment nurture and is helpful to judge the integral as well as the taught skills of every learner. It also motivates creative and critical thinking amongst learners and arouses sole thinking and simultaneously inspires the students to accomplish the computable goals in their enthralling journey of education. Further, the institution considers that the main objective of internal assessment is to facilitate planning and enhance the student learning process, and not just focus on grades. Internal assessment is a strategy implemented to scale the knowledge, understanding, and skills attained by students throughout their semesters. An Examination committee is formulated to coordinate and systematize examinations with the objective to conduct Internal Assessment and External Assessment Examination related all work as per University regulations. The members of the committee sit together at regular interval of times or whenever required to develop the ways & means to ensure smooth conduct of examinations. This committee also formulates the guidelines, rules & regulations of all examination related affairs of the Institute. The Exam Committee shall prepare and display an overall Supervision Duty List as well as Daily Supervision Duty List on the Staff Notice. Question papers of internal examinations are processed and compiled two days before the commencement of examinations. Quality of papers in formatting and other aspects are checked by the committee after the academic quality check from respective HODs' desk. Internal examination copies are checked within 3 days of examination by the respective members of the faculty. Student Internal Exam Result is published on the Institution website.

Any grievances raised by the student will be considered and appropriate action can be taken by Exam Committee members in time bound manner.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

2.6 Student Performance and Learning Outcomes

2.6.1

Programme Outcomes (POs) and Course Outcomes (COs) for all Programmes offered by the institution are stated and displayed on website

Response:

The programs offered by the institution are having provided with structured curriculum and syllabus under CBCS. Each program is provided with courses covering Engineering Science, Core Courses, Professional Elective Courses, Open Elective courses and compulsory courses such as Human Values ,Ethic etc. Each course is given with specific Course Objective and outcomes relatable to Program Outcomes , Program Educational Objectives and Program Specific Outcomes. Curriculum and Syllabus are made available in the website with CO-PO .

Teaching learning Process of all the courses are evaluated and attainment values of PO-PSO are computed.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

2.6.2

Attainment of POs and COs are evaluated.

Explain with evidence in a maximum of 500 words

Response:

Course Outcomes are the statements of knowledge, skills and abilities acquired by a student after successful completion of course. COs are required to be assessed in a continuous phased manner to know and understand about learning experiences of the student. Well written COs facilitates the teachers, in designing suitable teaching and evaluation methodologies of a course. Assessment of COs is accomplished through students' performance in both internal and external assessments.

Rubrics used in calculation of CO Weightage are given as below:

Semester End Examination: 70%

Internal Assessment: 30%

Internal Assessment tools include

- a) Unit Wise Assignments
- b) Internal Examinations
- c) Pre-University Examinations
- d) Continuous Laboratory Assessment
- e) Internal Laboratory Examination
- f) Attendance
- g) Project Work Internal Assessment

Semester End Examinations tools include

- a) Semester End Theory Examinations
- b) Semester End Laboratory Examinations
- c) Semester End Project Viva-Voce

For the subjects that have an allotment of 30 as the internal marks, the process followed is as follows:-

- 1.To award sessional marks, two internal examinations (Sessional-1 and Sessional-2 of 70 marks (conversion formula Marks*07) and 3 hours duration will be conducted (One Special Examination conducted after PUT if students not appeared in both examination (CT/PUT) with valid reason & with valid Proof (Weightage 50%) .
2. Weightage of 50% of CT-I and 50% of CT-2 will be given to award sessional marks.
- 3.The Teacher assessment is given 05 marks. (Certification, conference Paper Presentation etc.)
- 4.The Attendance is given 05 marks (Attendance above 80% award 05 marks).

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

2.6.3

Pass percentage of Students during last five years (excluding backlog students)

Response: 98.2

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

2023-24	2022-23	2021-22	2020-21	2019-20
607	635	456	476	440

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

2023-24	2022-23	2021-22	2020-21	2019-20
618	645	469	479	451

File Description	Document
Institutional data in the prescribed format	View Document
Certified report from Controller Examination of the affiliating university indicating pass percentage of students of the final year (final semester) eligible for the degree programwise / year-wise.	View Document
Annual report of controller of Examinations(COE) highlighting the pass percentage of final year students	View Document

2.7 Student Satisfaction Survey

2.7.1

Online student satisfaction survey regarding teaching learning process

Response: 3.93

File Description	Document
Upload database of all students on roll as per 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 in the institution during the last five years (INR in Lakhs)

Response: 137.43

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

2023-24	2022-23	2021-22	2020-21	2019-20
07.80	16.99	42.80	54.04	15.80

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

3.2 Innovation Ecosystem

3.2.1

Institution has created an ecosystem for innovations, Indian Knowledge System (IKS), including awareness about IPR, establishment of IPR cell, Incubation centre and other initiatives for the creation and transfer of knowledge/technology and the outcomes of the same are evident

Response:

Institution is functioning with an effective system that cultures innovations, IPR and incubation among students and faculty with an aim of knowledge and technology transfer. The following Cells are functioning with respect to innovations, Indian Knowledge System (IKS)

College has established Institution Innovation Council IIC, IEDC and Incubation Centre.

IIC, IEDC and Incubation Centre contribute the following:

Promoting Innovation: Encouraging students and faculty members to engage in innovative projects and research.

Industry Collaboration: Facilitating partnerships and collaborations between the institution and industry to bridge the gap between academia and the professional world.

Skill Development: Offering training programs, workshops, and events to enhance the entrepreneurial and innovative skills of students.

Supporting Entrepreneurship: Providing resources and support to the students and faculty members who are interested in starting their own businesses or ventures.

Incubation: Providing a platform for incubating startup ideas, offering mentorship, and supporting the development of new ventures.

IIC, IEDC and Incubation Centre are functioning with dedicated team of faculty and students.

As part of IPR, College has received grant for filing patent under Kalam Program for IP Literacy and Awareness (KAPILA). In addition to that college has received grant for projects under DST Scheme.

As the outcome of effective functioning of IIC , IEDC and incubation Centre students have participated in Smart India Hackathons and won the competition.

Curriculum is blended with courses having the objective of exposing Indian Knowledge System to the students. Some of the courses are Constitution of India, Essence of Indian Traditional Knowledge etc.College has organised an Exposure visit to Indian Knowledge Systems Centre: The Center for Art and Archaeology for students.

The college also motivates the students for actively transferring their ideas into reality. Students are encouraged to present their innovative working project models & products. The faculty& students are encouraged to take up research & developmental activities by utilizing the existing resources.To encourage the students and the faculty members to actively pursue research work, college has an active Research & Development Policy (R&D Policy).

The college has formulated clubs like robotics and coding where students can do as much experimentation as they want to create any challenging project.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

3.2.2

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

Response: 68

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

2023-24	2022-23	2021-22	2020-21	2019-20
14	13	12	15	14

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

3.3 Research Publications and Awards

3.3.1

Number of research papers published per teacher in the Journals notified on UGC care list during the last five years

Response: 0.76

3.3.1.1 Number of research papers in the Journals notified on UGC CARE list year wise during the last five years

2023-24	2022-23	2021-22	2020-21	2019-20
35	19	25	25	19

File Description	Document
Link to the uploaded papers, the first page/full paper(with author and affiliation details)on the institutional website	View Document
Link to re-directing to journal source-cite website in case of digital journals	View Document
Links to the papers published in journals listed in UGC CARE list or	View Document
Institutional data in the prescribed format	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

3.3.2

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:** 0.88**3.3.2.1 Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during last five years**

2023-24	2022-23	2021-22	2020-21	2019-20
56	21	25	14	26

File Description	Document
List of chapter/book along with the links redirecting to the source website	View Document
Institutional data in the prescribed format	View Document
Copy of the Cover page, content page and first page of the publication indicating ISBN number and year of publication for books/chapters	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

3.4 Extension Activities**3.4.1**

Outcomes of Extension activities in the neighborhood community in terms of impact and sensitizing the students to social issues for their holistic development during the last five years.

Response:

College is having Four NSS Units for supporting neighborhood community. It acts as a catalyst of build up the right type of leadership in the institutions. NSS programmes reflects the essence of democratic living and upholds the need for self-less service among students.

The college arranges a number of extension activities to promote institute-neighborhood community to sensitize the students towards community needs. The students of our college actively participate in social service activities leading to their overall development. The college runs effectively National Service Scheme. Through this unit, the college undertakes various extension activities in the neighbourhood community.

The NSS units received grant from Regional Directorate of NSS, Ministry of Youth Affairs & Sports, Government of India.

Departments of the college are conscious about its responsibilities for shaping students into responsible citizens of the country by making students aware of social issues through various programmes like Environmental Awareness, Personal Health and Hygiene, Diet awareness, Road Safety, Tree Plantation, Soil and Water Testing, Plastic eradication, No vehicle day, Jananisuraksha, Programme on female foeticide, organizing visit to Orphanages and Anganwadi, Voters awareness, Blood group detection ,Health check -up camps, Blood donation camps, Dental checkup camp, etc.

Swachh Bharat initiatives, awareness programs on AIDS prevention, Leprosy prevention and awareness, Dengue Awareness program, Environmental pollution etc.

Programs like rainwater harvesting and conservation of drinking water, tree plantation drive, sowing the seeds in the nearby areas are taken up as part of environment consciousness and encouraging the community to initiate steps in this regard. Blood donation camp in the College is a regular feature whereby students and staff donate blood for the cause.

Students have participated in National Integration camp organised by Regional Directorate of NSS, Ministry of Youth Affairs & Sports, Government of India.

NSS units have made students to understand the societal needs and way of fulfillment for developing holistic community.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

3.4.2

Awards and recognitions received for extension activities from government / government recognised bodies

Response:

The college arranges a number of extension activities to promote institute-neighborhood community to sensitize the students towards community needs. The students of our college actively participate in social service activities leading to their overall development. The college runs effectively National Service Scheme. Through this unit, the college undertakes various extension activities in the neighbourhood community.

NSS activities of the College shows impact on the social needs which are duly recognised and awarded by the following agencies:

Indian Red Cross Society, Udyan Shalini Foundation, One Step towards Peace, SDPS School Nangla, We Help You. etc..

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

3.4.3

Number of extension and outreach programs conducted by the institution through organized forums including NSS/NCC with involvement of community during the last five years.

Response: 121

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

2023-24	2022-23	2021-22	2020-21	2019-20
38	35	19	17	12

File Description	Document
Photographs and any other supporting document of relevance should have proper captions and dates.	View Document
Institutional data in the prescribed format	View Document
Detailed report for each extension and outreach program to be made available, with specific mention of number of students participated and the details of the collaborating agency	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

3.5 Collaboration**3.5.1**

Number of functional MoUs/linkages with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research during the last five years.

Response: 29

File Description	Document
Summary of the functional MoUs/linkage/collaboration indicating start date, end date, nature of collaboration etc.	View Document
List of year wise activities and exchange should be provided	View Document
List and Copies of documents indicating the functional MoUs/linkage/collaborations activity-wise and year-wise	View Document
Institutional data in the prescribed format	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

Criterion 4 - Infrastructure and Learning Resources

4.1 Physical Facilities

4.1.1

The Institution has adequate infrastructure and other facilities for,

- teaching – learning, viz., classrooms, laboratories, computing equipment etc
- ICT – enabled facilities such as smart class, LMS etc.

Facilities for Cultural and sports activities, yoga centre, games (indoor and outdoor), Gymnasium, auditorium etc (Describe the adequacy of facilities in maximum of 500 words.)

Response:

College is supported with good infrastructural facilities to support the required academic and nonacademic areas. The college follows norms laid down by AICTE and affiliating University, Gurugram University (GU) , Gurugram, Haryana regarding infrastructural facilities. The college has a total land area of 10.4 acres. The college has all the facilities for teaching –learning as shown below:

Classrooms: The institute has adequate number of classroom for conducting the theory classes. They are fully furnished, ventilated, spacious and equipped with LCD projectors to facilitate the teachers to adopt various ICT enabled teaching methods for interactive learning experience.

Laboratories: The institute has Laboratories with state of the art equipment and machinery for the students to carry out practicals, projects and research works. College has iMac lab, CISCO Networking Lab, etc.

Computing equipment: Institute has sufficient number of computers. All computers are equipped with high internet speed. A well-equipped Computer laboratory with 600 computers are available in the college for supporting students learning.

ICT Tools: the college is having all the ICT enabled tools viz: projectors, LCD's, printers, scanners, smart classrooms, smart boards, mic, sound system, Library Automated System, etc.

Institution gives equal importance for extracurricular activities also by providing all required facilities.

There is a recreational hall inside the premises. Numerous musical instruments viz: drums, guitar, keyboard, flute, mics, etc. are available for the use of students. Certain cultural activities which are organized round the year are: Fresher's party, Women's day, Teacher's day, etc. Students also take part in nukkad natak, fetes, talent hunt competitions like singing and dancing competitions, idea presentations, creative writing competitions, poetry competition, poster making competitions, etc.

Facilities for Sports: Annually sports week is organized in the campus. It covers competitions like cricket tournaments, football matches, volleyball, badminton matches, table tennis etc.

Yoga:Yoga is conducted in meditation Hall every morning. Students practice Yoga in the zero period

and gain the necessary energy required throughout the day. Each year Yoga Day is celebrated with maximum participation.

Auditorium: The College has a fully air conditioned well-furnished Auditorium fitted with LCD Projector & sound proof Audio-Video facilities.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

4.1.2

Percentage of expenditure for infrastructure development and augmentation excluding salary during the last five years

Response: 4.92

4.1.2.1 Expenditure for infrastructure development and augmentation, excluding salary year wise during last five years (INR in lakhs)

2023-24	2022-23	2021-22	2020-21	2019-20
142.64	103.25	0.98	22.82	16.20

File Description	Document
Institutional data in the prescribed format	View Document
Audited income and expenditure statement of the institution to be signed by CA for and counter signed by the competent authority (relevant expenditure claimed for infrastructure augmentation should be clearly highlighted)	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

4.2 Library as a Learning Resource

4.2.1

Library is automated with digital facilities using Integrated Library Management System (ILMS), adequate subscriptions to e-resources and journals are made. The library is optimally used by the

*faculty and students***Response:**

Institute Library spread in an area of 839 sq ft with the seating capacity of 200. It consists of 34000+ books, approximately 120 journals and a huge collection of magazines. College also has taken subscription of digital resources to facilitate learning. The library is automated with digital facilities using Integrated Library Management System (ILMS). The details of the same are:

Name of ILMS software: E-granthalaya 3.0

Nature of automation (fully or partially): Fully

Version: 3.0

Year of Automation: 2005

The IRCs operation and services are fully computerized with e-Granthalaya multi-user Integrated Library Automation Software. The various activities of the library such as data entry, issue and return and renewal of books, member logins etc are done through the software. The books are being bar coded and the users are given unique ID.

The Library is fully equipped with Wi-fi facility. User orientation is provided at the beginning of the year regarding the various facilities services and resources available in the library. The library provides reprographic service and internet service. A visitor record is maintained for students and faculty members. The library is under closed circuit television (CCTV) surveillance cameras.

The College has DELNET memberships. Institution is member of National Digital Library of India (NDLI).and N-LIST

The library has E-Resources For Differently Abled Students.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

4.3 IT Infrastructure

4.3.1

Institution frequently updates its IT facilities and provides sufficient bandwidth for internet connection

Describe IT facilities including Wi-Fi with date and nature of updation, available internet bandwidth within a maximum of 500 words

Response:

Institute has a well-equipped computer labs. Continuous up gradation of technology and the infrastructure is one of the quality policies of the institution. The institution provides IT enabled teaching learning environment in the campus round the clock. Campus is enabled with WiFi and CCTV facility is available in the institute. Free wifi facility is available across the campus for students as well as for faculty. Institute is using 600 Mbps Internet speed inside the campus. All the departments of the college are provided with computer and other related equipment. All teaching staff member use the ICT in the classrooms and laboratories, whenever needed. Anti-virus is regularly installed in computer. All computers has anti- virus. More than 600 desktops are there in the laboratories. Significant investment has been made to upgrade classrooms to eclassrooms/smart classrooms. The students utilizes wifi for project related worrcom facilities.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

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

Response: 3.65

4.3.2.1 Number of computers available for students usage during the latest completed academic year:

Response: 656

File Description	Document
Purchased Bills/Copies highlighting the number of computers purchased	View Document
Extracts stock register/ highlighting the computers issued to respective departments for student's usage.	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

4.4 Maintenance of Campus Infrastructure**4.4.1**

Percentage expenditure incurred on maintenance of physical facilities and academic support facilities

excluding salary component, during the last five years (INR in Lakhs)

Response: 17.49

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)

2023-24	2022-23	2021-22	2020-21	2019-20
137.83	303.55	230.76	199.73	144.89

File Description	Document
Institutional data in the prescribed format	View Document
Audited income and expenditure statement of the institution to be signed by CA for and counter signed by the competent authority (relevant expenditure claimed for maintenance of infrastructure should be clearly highlighted)	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

Criterion 5 - Student Support and Progression

5.1 Student Support

5.1.1

Percentage of students benefited by scholarships and freeships provided by the institution, government and non-government bodies, industries, individuals, philanthropists during the last five years

Response: 9.76

5.1.1.1 Number of students benefited by scholarships and freeships provided by the institution, Government and non-government bodies, industries, individuals, philanthropists during the last five years

2023-24	2022-23	2021-22	2020-21	2019-20
578	430	12	37	17

File Description	Document
Year-wise list of beneficiary students in each scheme duly signed by the competent authority.	View Document
Upload Sanction letter of scholarship and free ships (along with English translated version if it is in regional language).	View Document
Upload policy document of the HEI for award of scholarship and freeships.	View Document
Institutional data in the prescribed format	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

5.1.2

Following capacity development and skills enhancement activities are organised for improving students' capability

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
Report with photographs on Programmes /activities conducted to enhance soft skills, Language and communication skills, and Life skills (Yoga, physical fitness, health and hygiene, self-employment and entrepreneurial skills)	View Document
Report with photographs on ICT/computing skills enhancement programs	View Document
Institutional data in the prescribed format	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

5.1.3

Percentage of students benefitted by guidance for competitive examinations and career counseling offered by the Institution during the last five years

Response: 59.71

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

2023-24	2022-23	2021-22	2020-21	2019-20
1728	1711	1548	782	801

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

5.1.4

The institution adopts the following for 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
Proof w.r.t Organisation wide awareness and undertakings on policies with zero tolerance	View Document
Proof related to Mechanisms for submission of online/offline students' grievances	View Document
Proof for Implementation of guidelines of statutory/regulatory bodies	View Document
Details of statutory/regulatory Committees (to be notified in institutional website also)	View Document
Annual report of the committee motioning the activities and number of grievances redressed to prove timely redressal of the grievances	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

5.2 Student Progression

5.2.1

Percentage of placement of outgoing students and students progressing to higher education during the last five years

Response: 72.42

5.2.1.1 Number of outgoing students placed and / or progressed to higher education year wise during the last five years

2023-24	2022-23	2021-22	2020-21	2019-20
453	452	332	349	307

5.2.1.2 Number of outgoing students year wise during the last five years

2023-24	2022-23	2021-22	2020-21	2019-20
607	635	456	476	440

File Description	Document
Number and List of students placed along with placement details such as name of the company, compensation, etc and links to Placement order(the above list should be available on institutional website)	View Document
List of students progressing for Higher Education, with details of program and institution that they are/have enrolled along with links to proof of continuation in higher education.(the above list should be available on institutional website)	View Document
Institutional data in the prescribed format	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

5.2.2

Percentage of students qualifying in state/national/ international level examinations during the last five years

Response: 29.68

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

2023-24	2022-23	2021-22	2020-21	2019-20
52	52	42	30	16

File Description	Document
List of students qualified year wise under each category and links to Qualifying Certificates of the students taking the examination	View Document
Institutional data in the prescribed format	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

5.3 Student Participation and Activities

5.3.1

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) during the last five years

Response: 48

5.3.1.1 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 wise during the last five years

2023-24	2022-23	2021-22	2020-21	2019-20
15	12	06	07	08

File Description	Document
Upload supporting document	View Document
list and links to e-copies of award letters and certificates	View Document
Institutional data in the prescribed format	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

5.3.2

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

Response: 17

5.3.2.1 Number of sports and cultural programs in which students of the Institution participated year wise during last five years

2023-24	2022-23	2021-22	2020-21	2019-20
19	21	16	11	18

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	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:

Dronacharya College of Engineering has a registered Alumni Association. The Alumni Association provides an interface for establishing a link between the alumni, staff, and students of the institute. DCE alumni are currently working at various positions all over the globe and proving their mettle in all spheres of management

At DCE we invite alumni for Annual Alumni Meet. In this meet the alumni get chance to reconnect with the Alma mater and old friends. This is the best platform for networking and sharing new trends and current happenings in the corporate world. These inputs are helpful to academicians for molding the aspiring students.

The Alumni Association Contribution through various means:-

1. Alumni Interaction: Alumni of DCE interact with their junior time to time. They are invited as resource persons at various events, guest lectures and panel discussions. They provide inputs and share their experiences regarding skills, recent technologies & trends in corporate world, application of knowledge and corporate working culture.

2. Placement & Career Guidance Assistance : Alumni are working in organizations with various designations. They keep the faculties and the placement officer abreast about the available job opportunities. They assist and guide the students to crack the interviews. They also share their experience with the students and motivate them for their career development in various domains.

3. Entrepreneurship Awareness: Some of DCE Alumni have their established startups in different sectors. They decided to become entrepreneurs during their academic span. Through the journey as an entrepreneur they learnt various skills & knowledge. They enlighten the students with their success stories and challenges faced.

4. Campus recruiters: Alumni come to campus as recruiters for their companies and also recommend and promote DCE to their employers for campus placements.

5. Summer Internship Opportunities: Alumni provide innumerable summer internship opportunities in their companies to the students.

6. Book Donation: Alumni are donating books to the institution Library.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

Criterion 6 - Governance, Leadership and Management

6.1 Institutional Vision and Leadership

6.1.1

The institutional governance and leadership are in accordance with the vision and mission of the Institution and it is visible in various institutional practices such as NEP implementation, sustained institutional growth, decentralization, participation in the institutional governance and in their short term and long term Institutional Perspective Plan.

Response:

Vision and Mission Statements of Institution are as follows:

Vision:

Empowering human values and advanced technical education to navigate and address global challenges with excellence.

Mission:

- M1 - Seamlessly integrate human values with advanced technical education.
- M2 - Supporting the cultivation of a new generation of innovators who are not only skilled but also ethically responsible.
- M3 - Inspire global citizens who are equipped to create positive and sustainable impact, driving progress towards a more inclusive and harmonious world.

Management, IQAC, and other governing bodies fulfil the vision and mission statement of college. The administration is aiming to make the college as Centre of Excellence . Institution is facilitating the requirements to Faculty and students in terms of Teaching -Learning Process according to NEP guidelines.

College guarantees equal access to quality higher education in Science for all eligible and meritorious students from all socioeconomic levels. It is evidently proved that increasing students intake every year confirms the sustained growth.

The decentralization of academic, co-curricular, extra-curricular, and administrative governance is managed through various college committees. The academic and administrative policies are planned by the Head of Departments and monitored at regular intervals through the IQAC, Staff Council and the Council of Heads for achieving the short term and long term Plans.

Some practices of decentralization and participative management includes:

1. All the important decisions related to the institute are taken by the Principal in consultations with the Registrar and Head of departments.
2. The Principal is the academic and administrative head of the Institute and the Member of the Governing Body.
3. The HOD's are responsible for day to day administration of the department and report same to the Principal.
4. Faculty members and staff members can give suggestions and idea for improvement
5. Students also participate through different formal and informal feedback mechanisms.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

6.2 Strategy Development and Deployment

6.2.1

The institutional perspective plan is effectively deployed and functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment, service rules, and procedures, etc

Response:

Institution's perspective plan is as follows:

- 1.Participating in various competitions by the students.
- 2.Purchasing of new equipment for upgrading laboratories and establishing new labs. Developing Multidisciplinary innovation ecosystem, project based learning for students. Advising and encouraging students for taking up entrepreneurship roles.
- 3.Internships and Industry based projects for students are also focused upon.
- 4.Suggesting the students about various government & private aided scholarships, so that students could take benefit from them.
- 5.Sponsoring faculty members and students to National/International level events, conferences and workshops
- 6.Publishing paper in reputed journals by faculty members and encouraging students to carry more case studies.
- 7.Increase number of Patent filing.
- 8.Signing MoU with industry for training, interaction, inviting experts for interactive sessions. Introduce Certificate/Value Added Courses.
- 9.Organize Workshops/Training for Faculty/ Organizing Conferences. Guest Lecture, Association Activities of respective departments.
- 10.Industrial and Field Visits, Alumni interaction, conduction of NSS activities. Training of Non- teaching staff.

Institution takes steps to fulfil its perspective plans by framing policies and setting up Academic Units which includes Service Rules and Code of Conduct of Faculty and Staff .

Various policies designed and implemented in the college by the respective authorities are as follows:

E-Governance Policy

IT Policy

Grievance Redressal Policy

Anti-Ragging Policy

Recruitment Policy

Appraisal policy
 Admission Policy
 Campus Placement Policy
 Green Campus Policy

File Description	Document
Upload Additional information	View Document
Institutional perspective Plan and deployment documents on the website	View Document
Provide Link for Additional information	View Document

6.2.2

Institution implements e-governance in its operations

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 of each module reflecting the name of the HEI	View Document
Institutional expenditure statements for the budget heads of e-governance implementation ERP Document	View Document
Annual e-governance report approved by the Governing Council/ Board of Management/ Syndicate Policy document on e-governance	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

6.3 Faculty Empowerment Strategies

6.3.1

The institution has performance appraisal system, effective welfare measures for teaching and non-teaching staff and avenues for career development/progression

Response:

Institution believes its growth mainly depends on the Welfare of its Faculty and Staff members. For taking care of the welfare Faculty and Staff, effective appraisal system is in force. At the end of Academic Year, institution supplies and collects Self Appraisal Forms of all Faculty and Staff. Review and evaluation of Self-appraisal forms are being carried out by Head of the respective departments and Principal.

The outcome of Self Appraisal Form is obtained in the form of scores. Detailed discussions are made with the individuals by the Principal and Head of the Department jointly for scope of improvement. A consolidated report will be submitted to the Management by the Director with her recommendations including appreciation and rewards.

Additionally the following the various welfare schemes for Teaching and Non- teaching staff.

- Free transportation facility is provided for all faculty and staff members.
- Medical facilities are available for all faculty and staff members.
- Financial support and duty leave is provided for all faculties who present papers in national and international conferences, attend seminars, Workshops and industrial training.
- Cash Reward to Faculty for qualifying in GATE/CAT/UGC NET exams
- Incentive to Faculty for the Academic Result in End Semester Exams.
- Maternity leave is provided
- Leave for higher studies
- Group insurance for all faculty and staff members with their family members
- Leave encashment policy

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

6.3.2

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

Response: 44.31

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

2023-24	2022-23	2021-22	2020-21	2019-20
65	56	75	69	62

File Description	Document
Policy document on providing financial support to teachers	View Document
Institutional data in the prescribed format	View Document
Copy of letter/s indicating financial assistance to teachers and list of teachers receiving financial support year-wise under each head.	View Document
Audited statement of account highlighting the financial support to teachers to attend conferences / workshop s and towards membership fee for professional bodies	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

6.3.3

Percentage of teaching and non-teaching staff participating in Faculty development Programmes (FDP), Management Development Programmes (MDPs) professional development /administrative training programs during the last five years

Response: 49.45

6.3.3.1 Total number of teaching and non-teaching staff participating in Faculty development Programmes (FDP), Management Development Programmes (MDPs) professional development /administrative training programs during the last five years

2023-24	2022-23	2021-22	2020-21	2019-20
123	103	120	113	126

6.3.3.2 Number of non-teaching staff year wise during the last five years

2023-24	2022-23	2021-22	2020-21	2019-20
91	89	89	88	88

File Description	Document
Refresher course/Faculty Orientation or other programmes as per UGC/AICTE stipulated periods, as participated by teachers year-wise.	View Document
Institutional data in the prescribed format	View Document
Copy of the certificates of the program attended by teachers.	View Document
Annual reports highlighting the programmes undertaken by the teachers	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

6.4 Financial Management and Resource Mobilization

6.4.1

Institution has strategies for mobilization and optimal utilization of resources and funds from various sources (government/ nongovernment organizations) and it conducts financial audits regularly (internal and external)

Response:

Dronacharya College of Engineering, Gurugram is a self-financed private institute, tuition fee is the main source of income. Along with tuition fee, research grants from various Government and Non-Government agencies, consultancy projects are also received. These funds are utilized for all recurring and non-recurring expenditure. The institution has a well-defined mechanism to monitor effective utilization of available financial resources for the development of the infrastructure to augment academic needs. All the administrative and academic heads along with coordinators of different cells (viz., research committee, placement cell, library advisory committee (for the purchase of books / journals), purchase committee (for repair and maintenance cost) software and internet charges, printing and stationary, equipment and consumables, furniture and fixtures), NSS cell, sports, cultural committee etc., will submit the budget requirements during every academic year. The finance committee prepares an annual budget estimate duly considering the proposals received and submit its recommendations to the Governing Body. Final approval of the budget is done by the Governing Body.

The Institute has a mechanism for internal and external audit to ensure financial compliance.

Internal Audit

Copy of Budget proposals, invoice and vouchers, and supporting documents of every purchase /event is maintained in the respective Departments and the original documents are sent to the accounts department of the Institute. The accountant of the institute verifies every document, observations if any, is brought to the notice of HODs for immediate rectification. The details of all the expenditures / transactions of the entire financial year is consolidated and maintained at the accounts office and submitted for external audit at the end of the financial year. Appointed Chartered Accountant's team members visit the

institution quarterly and verifies all the bill, vouchers, books of account, bank statements along with other documents, if found any discrepancies they will inform the accounts department in writing with a copy to the parent body for further action/rectification.

External Audit

External audit of the institution is conducted once in a year post March 31st, by the Chartered Accountants SPG Associates. The External Auditor expresses their opinion on the financial Statements of the Institution based on their Audit. The Audit involves performing procedures to obtain audit evidences about the amounts and disclosure in financial statements. Findings and recommendations of External Audit will be submitted to the Governing Body.

File Description	Document
Upload Additional information	View Document
Provide 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. It reviews teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals and records the incremental improvement in various activities

Response:

The objectives of IQAC are:

- To develop a system for conscious, consistent and catalytic action to improve the academic and administrative performance of the institution.
- To promote measures for institutional functioning towards quality enhancement through internalization of quality culture and institutionalization of best practices.

Internal Quality Assurance cell (IQAC) is effectively functioning in the institution with a vision to maintain the quality in teaching learning process. Institution's IQAC is constituted as per the norms of NAAC.

It mainly focuses on:

- Realizing the Mission and Vision of the institution.
- Documenting the quality assuring strategies
- Continuous improvement in the strategies after thoroughly assessing the attainment.
- Redefining the new goals and observing the attainment level.

IQAC follows mechanism of 360-degree feedback includes teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals. Feedbacks are collected from all the stakeholders from time to time through drop box or through e-mails. The feedbacks are reviewed by the IQAC Committee. Feedback review report is prepared by IQAC Committee and shared with the Academic and Administrative Heads for actions to be taken with deadline. It also collects the action taken reports from all units.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

6.5.2

Quality assurance initiatives of the institution include:

- 1.Regular meeting of Internal Quality Assurance Cell (IQAC); quality improvement initiatives identified and implemented**
- 2.Academic and Administrative Audit (AAA) and follow-up action taken**
- 3.Collaborative quality initiatives with other institution(s)**
- 4.Participation in NIRF and other recognized rankings**
- 5.Any other quality audit/accreditation recognized by state, national or international agencies such as NAAC, NBA etc.**

Response: A. Any 4 or more of the above

File Description	Document
Quality audit reports/certificate as applicable and valid for the assessment period.	View Document
NIRF report, AAA report and details on follow up actions	View Document
List of Collaborative quality initiatives with other institution(s) along with brochures and geo-tagged photos with caption and date.	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document
Link to Minute of IQAC meetings, hosted on HEI website	View Document

Criterion 7 - Institutional Values and Best Practices

7.1 Institutional Values and Social Responsibilities

7.1.1

Institution has initiated the Gender Audit and measures for the promotion of gender equity during the last five years.

Describe the gender equity & sensitization in curricular and co-curricular activities, facilities for women on campus etc., within 500 words

Response:

At Dronacharya College of Engineering, proper and adequate measures are taken for the promotion of gender equity. Both gender students are encouraged to participate in the events, presentations and competitions. All the year round, there are events and seminars wherein girl students are equally motivated to participate. There are many extra-curricular activities also where the girls are on an equal platform as like boys. There are clubs (sports, cultural, technical language, coding, etc.) in the college where equal participation of both the gender students could be found. The canteen is open to all irrespective of gender issues. Girls equally participate in the NSS scheme as well. Washrooms are provided with sanitary napkin vending and disposal machine for the safe and hygienic disposal of sanitary napkins. Institute has Sexual harassment prevention cell.

The institution constituted the following committees as per norms laid by University: Institution Grievance Redressal Committee, Anti-Ragging, Students' Disciplinary Committee,

Facilities Provided for Women:

1. CCTV Cameras Installed for safety
2. 24X 7 women helpline number available
3. Female Security Guards at the Campus Entrance
4. Separate Common Room for Girls
5. Sanitary Pad Vending Machine

Some of the key administrative positions of College are held by women. Women are also members of some of the important administrative, reach-out, cultural, and other co-curricular committees.

Women Development Cell and POSH Committee are functioning. Many notable programs organized by the WDC Committee.

The institution provides safety and security facilities for the staffs and students such as CCTV Surveillance throughout the campus and security arrangement. The institution has a dedicated Counseling Centre and good mentoring system for the students. Personal Counseling is provided to the students at different levels.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

7.1.2

The Institution has facilities and initiatives for

- 1. Alternate sources of energy and energy conservation measures**
- 2. Management of the various types of degradable and nondegradable waste**
- 3. Water conservation**
- 4. Green campus initiatives**
- 5. Disabled-friendly, barrier free environment**

Response: A. 4 or All of the above

File Description	Document
Policy document on the green campus/plastic free campus.	View Document
Geo-tagged photographs/videos of the facilities.	View Document
Circulars and report of activities for the implementation of the initiatives document	View Document
Bills for the purchase of equipment's for the facilities created under this metric	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

7.1.3

Quality audits on environment and energy regularly undertaken by the Institution. The institutional environment and energy initiatives are confirmed through the following

- 1. Green audit / Environment audit**
- 2. Energy audit**
- 3. Clean and green campus initiatives**
- 4. Beyond the campus environmental promotion activities**

Response: B. Any 3 of the above

File Description	Document
Report on Environmental Promotional activities conducted beyond the campus with geo tagged photographs with caption and date	View Document
Policy document on environment and energy usage Certificate from the auditing agency	View Document
Green audit/environmental audit report from recognized bodies	View Document
Certificates of the awards received from recognized agency (if any).	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

7.1.4

Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and Sensitization of students and employees to the constitutional obligations: values, rights, duties and responsibilities of citizens (Within 500 words)

Response:

At Dronacharya College of Engineering, Gurugram., efforts are taken to enlighten the mind and soul of the students and make them aware about the cultural diversities. Various programmes are held throughout the session which gives them an opportunity to understand the culture prevailing in different states and countries. The college celebrates the cultural and regional festivals, like Fresher Party, teacher's day, orientation and farewell program, Induction program, rally, oath, tree plantation, Youth day,

Women's day, Yoga day, festivals like Diwali celebration, Holi celebration, New Year celebration, Lohri celebration, Ambedkar Jayanti celebration, Gandhi Jayanti celebration, etc. religious ritual activities are performed in the campus.

Motivational lectures of eminent persons of the field are arranged for all-round development of the students for their personality development and to make them responsible citizens following the national values of social and communal harmony and national integration. Besides academic and cultural activities, we have built up many strong infrastructures for a variety of sports activities for the physical development of the students. The college also arranges blood donation camps in the college campus where students, faculty and staff contributed voluntarily by donating blood for the noble cause of serving society and proudly adorn the certificate of a blood donor issued by the respective organizing club. In this way the institute's efforts/initiatives in providing an inclusive environment for everyone with tolerance and harmony towards cultural, regional, linguistic, communal socio-economic, and other diversities could be justified.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	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 Practice 1:

Title of the Practice: Project Based Learning Objectives of the Practice:

? To impart skills of identifying the real world problem and challenges.

? To increase the problem solving skills of students and the ability of applying concepts learned during the course to real-life experiences.

? To provide an all-around enriching education.

The Context: To make the learning more interesting, institution has introduced Project Based Learning method. Students are provided with real time problems by the Faculty and are asked to identify the possible solutions by applying their knowledge as group. Discussions are made with the Faculty by the students for choosing appropriate solutions from the group of solutions available with them.

The Practice: The faculty members identify suitable research projects for the students and help students apply concept learned in tutorials in developing the real time projects. The students are also encouraged to participate in project competitions, hackathons and coding contest.

Evidence of Success : Students have won many national and international Hackathon, project competition and coding contest. Many research projects made by students received grants from government and non- government organization.

<https://ggnindia.dronacharya.info/Achievements/Achievements-2024-25.aspx>

File Description	Document
Any other relevant information	View Document
Best practices as hosted on the Institutional website	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:

One of the primary priorities of the college is academic excellence. This is achieved by following rigorous curriculum of the affiliating University which covers the latest developments in technology and engineering. The faculty members of the colleges are highly qualified and experienced, and they impart knowledge through a variety of teaching methods such as lectures, tutorials, and hands-on projects. The college is equipped with all the modern facilities and machineries to enhance the learning of the students. The latest ICT tools and smart boards such as Google Classroom, Video Conferencing Tools: Microsoft Teams, ZOOM, Google Meet, PPT, Video clippings, audio systems, Virtual Labs are available in the college to support learning and to expose the students for advanced knowledge and practical learning. The college campus is also supported with uninterrupted Wi-Fi. To make students academically sound, the college is also running Centers of Excellence, various Clubs, viz: Coding club, Sports club, Technical language club, Robotics club, NSS club are also formed which relates to academic and non-academic areas. Workshops, seminars, guest lectures, industry visits and field excursions are also organized to keep up the students about the latest trends and technologies.

File Description	Document
Appropriate web in the Institutional website	View Document
Any other relevant information	View Document

5. CONCLUSION

Additional Information :

Institution is having the aim of department level Accreditation also for all the eligible courses. During the Academic Year 2024-25, the departments namely Computer Science and Engineering and Computer Science and Information Technology have been Accredited by NBA.

Concluding Remarks :

The Self Study Report preparation makes the institution to undergo SWOC analysis.

Institution is having the aim of excelling its ambience in terms of teaching learning by getting Accreditation by submitting data for the progress made between the academic years from 2019-20 to 2023-24.

6.ANNEXURE

1.Metrics Level Deviations

Metric ID	Sub Questions and Answers before and after DVV Verification																																								
1.2.1	<p>Number of Certificate/Value added courses offered and online courses of MOOCs, SWAYAM, NPTEL etc. (where the students of the institution have enrolled and successfully completed during the last five years)</p> <p>Answer before DVV Verification :</p> <p>Answer After DVV Verification :143</p> <p>Remark : As per the documents provided by HEI, thus DVV input is recommended.</p>																																								
1.4.1	<p><i>Institution obtains feedback on the academic performance and ambience of the institution from various stakeholders, such as Students, Teachers, Employers, Alumni etc. and action taken report on the feedback is made available on institutional website</i></p> <p>Answer before DVV Verification : A. Feedback collected, analysed, action taken& communicated to the relevant bodies and feedback hosted on the institutional website</p> <p>Answer After DVV Verification: C. Feedback collected and analysed</p> <p>Remark : As per the documents provided by HEI, and communication to the relevant bodies is not provided, thus DVV input is recommended.</p>																																								
2.1.1	<p>Enrolment percentage</p> <p>2.1.1.1. Number of seats filled year wise during last five years (Only first year admissions to be considered)</p> <p>Answer before DVV Verification:</p> <table><tr><td>2023-24</td><td>2022-23</td><td>2021-22</td><td>2020-21</td><td>2019-20</td></tr><tr><td>637</td><td>608</td><td>603</td><td>660</td><td>647</td></tr></table> <p>Answer After DVV Verification :</p> <table><tr><td>2023-24</td><td>2022-23</td><td>2021-22</td><td>2020-21</td><td>2019-20</td></tr><tr><td>626</td><td>582</td><td>602</td><td>654</td><td>639</td></tr></table> <p>2.1.1.2. Number of sanctioned seats year wise during last five years</p> <p>Answer before DVV Verification:</p> <table><tr><td>2023-24</td><td>2022-23</td><td>2021-22</td><td>2020-21</td><td>2019-20</td></tr><tr><td>720</td><td>756</td><td>756</td><td>756</td><td>726</td></tr></table> <p>Answer After DVV Verification :</p> <table><tr><td>2023-24</td><td>2022-23</td><td>2021-22</td><td>2020-21</td><td>2019-20</td></tr><tr><td>708</td><td>756</td><td>756</td><td>756</td><td>726</td></tr></table>	2023-24	2022-23	2021-22	2020-21	2019-20	637	608	603	660	647	2023-24	2022-23	2021-22	2020-21	2019-20	626	582	602	654	639	2023-24	2022-23	2021-22	2020-21	2019-20	720	756	756	756	726	2023-24	2022-23	2021-22	2020-21	2019-20	708	756	756	756	726
2023-24	2022-23	2021-22	2020-21	2019-20																																					
637	608	603	660	647																																					
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626	582	602	654	639																																					
2023-24	2022-23	2021-22	2020-21	2019-20																																					
720	756	756	756	726																																					
2023-24	2022-23	2021-22	2020-21	2019-20																																					
708	756	756	756	726																																					

Remark : As per the revised documents provided by HEI, thus DVV input is recommended.

2.1.2 Percentage of seats filled against reserved categories (SC, ST, OBC etc.) as per applicable reservation policy for the first year admission during the last five years

2.1.2.1. Number of actual students admitted from the reserved categories year wise during last five years (Exclusive of supernumerary seats)

Answer before DVV Verification:

2023-24	2022-23	2021-22	2020-21	2019-20
189	204	181	261	168

Answer After DVV Verification :

2023-24	2022-23	2021-22	2020-21	2019-20
127	126	133	142	136

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

Answer before DVV Verification:

2023-24	2022-23	2021-22	2020-21	2019-20
213	226	226	226	216

Answer After DVV Verification :

2023-24	2022-23	2021-22	2020-21	2019-20
354	378	378	378	363

Remark : As per the documents provided by HEI, and values for the metric id 2.1.2 be 50% (as per Haryana state reservation policy) of the values for the metric id 2.1.1.2, and the values for the metric id 2.1.2.1 should not be more than the seats earmarked, as more seats be considered as General merit, thus DVV input is recommended.

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

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

Answer before DVV Verification:

2023-24	2022-23	2021-22	2020-21	2019-20
7.80	17.58	42.80	64.70	53.41

Answer After DVV Verification :

2023-24	2022-23	2021-22	2020-21	2019-20

07.80	16.99	42.80	54.04	15.80
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Remark : As per the sanction letter provided, thus DVV input is recommended.

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

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

Answer before DVV Verification:

2023-24	2022-23	2021-22	2020-21	2019-20
50	45	40	42	39

Answer After DVV Verification :

2023-24	2022-23	2021-22	2020-21	2019-20
14	13	12	15	14

Remark : As per the reports provided by HEI, thus DVV input is recommended.

3.3.1 Number of research papers published per teacher in the Journals notified on UGC care list during the last five years

3.3.1.1. Number of research papers in the Journals notified on UGC CARE list year wise during the last five years

Answer before DVV Verification:

2023-24	2022-23	2021-22	2020-21	2019-20
54	39	37	20	30

Answer After DVV Verification :

2023-24	2022-23	2021-22	2020-21	2019-20
35	19	25	25	19

Remark : As per the documents provided by HEI, and calender year to be considered and UGC care listed entries only to be considered, thus DVV input is recommended.

3.4.3 Number of extension and outreach programs conducted by the institution through organized forums including NSS/NCC with involvement of community during the last five years.

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

Answer before DVV Verification:

2023-24	2022-23	2021-22	2020-21	2019-20
77	73	58	22	28

Answer After DVV Verification :

2023-24	2022-23	2021-22	2020-21	2019-20
38	35	19	17	12

Remark : As per the documents provided by HEI, and excluding days celebration, awareness program on Generic themes, thus DVV input is recommended.

3.5.1 ***Number of functional MoUs/linkages with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research during the last five years.***

Answer before DVV Verification :

Answer After DVV Verification :29

Remark : As per the documents provided by HEI, and MoUs should be functional during the assessment period and activities must be fruitful for the students, during the assessment period to qualify as a functional MoU, thus DVV input is recommended.

4.1.2 ***Percentage of expenditure for infrastructure development and augmentation excluding salary during the last five years***

4.1.2.1. Expenditure for infrastructure development and augmentation, excluding salary year wise during last five years (INR in lakhs)

Answer before DVV Verification:

2023-24	2022-23	2021-22	2020-21	2019-20
296.67	160.88	4.91	45.20	18.00

Answer After DVV Verification :

2023-24	2022-23	2021-22	2020-21	2019-20
142.64	103.25	0.98	22.82	16.20

Remark : As per the audited statement is provided, and Expenditure on construction of building/purchase of Lab. Equipment's/ academic equipment's/ furniture & fixtures/vehicle to be considered during assessment period, thus DVV input is recommended.

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

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)

Answer before DVV Verification:

2023-24	2022-23	2021-22	2020-21	2019-20
930.53	1198.52	1119.58	993.32	1045.96

Answer After DVV Verification :

2023-24	2022-23	2021-22	2020-21	2019-20
137.83	303.55	230.76	199.73	144.89

Remark : As per the audited statement is provided, and Focus of this metric is only on the repair and maintenance of physical facilities and AMC for academic facility. and Routine administrative expenses like electricity charges, telephone charges no to be considered, thus DVV input is recommended.

5.2.1 **Percentage of placement of outgoing students and students progressing to higher education during the last five years**

5.2.1.1. **Number of outgoing students placed and / or progressed to higher education year wise during the last five years**

Answer before DVV Verification:

2023-24	2022-23	2021-22	2020-21	2019-20
471	496	349	372	327

Answer After DVV Verification :

2023-24	2022-23	2021-22	2020-21	2019-20
453	452	332	349	307

5.2.1.2. **Number of outgoing students year wise during the last five years**

Answer before DVV Verification:

2023-24	2022-23	2021-22	2020-21	2019-20
618	645	469	479	451

Answer After DVV Verification :

2023-24	2022-23	2021-22	2020-21	2019-20
607	635	456	476	440

Remark : As per the documents provided by HEI, and values for the metric id 5.2.1.2 be same as 2.6.3.1, and multiple count of the same students should be count as one, thus DVV input is recommended.

5.3.1 **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) during the last five years

5.3.1.1. 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 wise during the last five years

Answer before DVV Verification:

2023-24	2022-23	2021-22	2020-21	2019-20
53	44	24	12	35

Answer After DVV Verification :

2023-24	2022-23	2021-22	2020-21	2019-20
15	12	06	07	08

Remark : As per the number of the certificates are provided, and Only University / state/national or international achievements to be considered. Participation / appreciation certificates and awards from regional / local / institutional levels should be avoided. Awards from intra or inter institutions will not be considered, and Excluding Inter- collegiate awards, and award for a team event should be count as one, thus DVV input is recommended.

5.3.2

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

5.3.2.1. Number of sports and cultural programs in which students of the Institution participated year wise during last five years

Answer before DVV Verification:

2023-24	2022-23	2021-22	2020-21	2019-20
46	49	24	14	37

Answer After DVV Verification :

2023-24	2022-23	2021-22	2020-21	2019-20
19	21	16	11	18

Remark : As per the documents provided by HEI, and Events cannot be split into activities. Multiple activities on the relatively closer dates to be considered as one only, thus DVV input is recommended.

6.3.2

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

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

Answer before DVV Verification:

2023-24	2022-23	2021-22	2020-21	2019-20
77	72	82	83	72

Answer After DVV Verification :

2023-24	2022-23	2021-22	2020-21	2019-20
65	56	75	69	62

Remark : As per the documents and teachers with financial support of less than Rs 2000 should not be considered, thus DVV input is recommended.

6.3.3 Percentage of teaching and non-teaching staff participating in Faculty development Programmes (FDP), Management Development Programmes (MDPs) professional development /administrative training programs during the last five years

6.3.3.1. Total number of teaching and non-teaching staff participating in Faculty development Programmes (FDP), Management Development Programmes (MDPs) professional development /administrative training programs during the last five years

Answer before DVV Verification:

2023-24	2022-23	2021-22	2020-21	2019-20
150	133	146	149	143

Answer After DVV Verification :

2023-24	2022-23	2021-22	2020-21	2019-20
123	103	120	113	126

6.3.3.2. Number of non-teaching staff year wise during the last five years

Answer before DVV Verification:

2023-24	2022-23	2021-22	2020-21	2019-20
91	89	89	88	88

Answer After DVV Verification :

2023-24	2022-23	2021-22	2020-21	2019-20
91	89	89	88	88

Remark : As per the documents provided by HEI, and less than 5 days FDPs should not be considered, thus DVV input is recommended.

7.1.3 Quality audits on environment and energy regularly undertaken by the Institution. The institutional environment and energy initiatives are confirmed through the following

1. **Green audit / Environment audit**
2. **Energy audit**
3. **Clean and green campus initiatives**
4. **Beyond the campus environmental promotion activities**

Answer before DVV Verification : A. All of the above

Answer After DVV Verification: B. Any 3 of the above

Remark : As per the documents provided by HEI, Green Audit is not provided, thus DVV input is recommended.

2.Extended Profile Deviations

Extended Profile Deviations
No Deviations