Guidelines for the Creation of the

Internal Quality Assurance Cell (IQAC) and Submission of Annual Quality Assurance Report (AQAR) by Accredited Institutions

(For Affiliated/Constituent Colleges)

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

An Autonomous Institution of the University Grants Commission
P. O. Box. No. 1075, Opp: NLSIU, Nagarbhavi, **Bengaluru - 560 072** India

The Annual Quality Assurance Report (AQAR) of the IQAC
(For Affiliated/Constituent Colleges)

Institutions Accredited by NAAC need to submit an Annual self-reviewed progress report i.e. Annual Quality Assurance Report (AQAR) to NAAC, through its IQAC. The report is to detail the tangible results achieved in key areas, specifically identified by the IQAC at the beginning of the Academic year. *The AQAR period would be the Academic Year. (For example, June 1, 2017 to May 31, 2018)*

Part – A

Data of the Institution
(data may be captured from IIQA)
1. Name of the Institution   Dronacharya College of Engineering

- Name of the Head of the institution :   Prof. (Dr.) BMK Prasad

- Designation: Principal

- Does the institution function from own campus: Yes

- Phone no./Alternate phone no.:   0124-2375502

- Mobile no.: 9910380103

- Registered e-mail: principal@ggnindia.dronacharya.info

- Alternate e-mail : info@dronacharya.info

- Address   : Khentawas,Farrukh Nagar

- City/Town   : Gurugram

- State/UT   : Haryana

- Pin Code   : 122506

2. Institutional status:
- Affiliated / Constituent: Affiliated

- Type of Institution: Co-education/Men/Women Co-education

- Location : Rural/Semi-urban/Urban: Rural

- Financial Status: Grants-in aid/ UGC 2f and 12 (B)/ Self financing
  (please specify) Self financing

- Name of the Affiliating University: Maharshi Dayanand University, Rohtak
- Name of the IQAC Co-ordinator: Dr. Ashima Mehta
- Phone no. : 0124-2375502

  Alternate phone no. 0124-2275327

- Mobile: 9803505262

- IQAC e-mail address: ashima.mehta@ggnindia.dronacharya.info

- Alternate Email address: hodcse@ggnindia.dronacharya.info

3. Website address https://ggnindia.dronacharya.info/

     Web-link of the AQAR: (Previous Academic Year):
https://ggnindia.dronacharya.info/Downloads/Admin/AQAR_2018-19_28122019.pdf

 4. Whether Academic Calendar prepared during the year?

Yes/No....., if yes, whether it is uploaded in the Institutional website: Yes

Weblink: https://ggnindia.dronacharya.info/academiccalendar.aspx

5. Accreditation Details:

Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1st	B	07	2005	from: 2005 to: 2010
2nd	B	2.92	2012	from: 2012 to: 2017

6. Date of Establishment of IQAC: DD/MM/YYYY: 05/12/2005

7**.** Internal Quality Assurance System

7.1 Quality initiatives by IQAC during the year for promoting quality culture

Item /Title of the quality initiative by IQAC	Date & duration	Number of participants/beneficiaries
Innovator's Life & Crossroad Motivational Speech	23rd October 2019	46
ICT Academy BRIDGE'19: A High Impact Industry Institute Interaction Event of India	11th December 2019	1
Short Term Course on "Robotics"	23rd - 27th December 2019	15

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Note: Some Quality Assurance initiatives of the institution are:
   (Indicative list)
- *Regular meeting of Internal Quality Assurance Cell (IQAC); timely submission of Annual Quality Assurance Report (AQAR) to NAAC; Feedback from all stakeholders collected, analysed and used for improvements*
- *Academic Administrative Audit (AAA) conducted and its follow up action*
- *Participation in NIRF*
- *ISO Certification*
- *NBA etc.*
- *Any other Quality Audit*

8. Provide the list of funds by Central/ State Government-

UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/ Department/Faculty	Scheme	Funding agency	Year of award with duration	Amount
ECE Department	MODROB	AICTE	2019-20	761600
Chandra Shekhar	ICPS	DST	2019-20	1106079
Dronacharya College of Engineering	Creation of Capital Assests	DST	2019-20	1400000
Dr. Sangeeta Singla	SSTP	DST	2019-20	491530
Dronacharya College of Engineering	NCSTC	DST	2019-20	1762000
Dronacharya College of Engineering	NSTMIS	DST	2019-20	1433300
Dronacharya College of Engineering	Unnat Bharat Abhiyan	UBA-IIT Delhi	2019-20	50000
Dronacharya College of Engineering	NSTMIS	DST	2019-20	1500000
Dronacharya College of Engineering	TDP	DST	2019-20	1450000
Dronacharya College of Engineering	DST	DST	2019-20	1280520
Krishanu Kundu, Ashwani Kumar	SIH	MHRD	2019-20	50000

9. Whether composition of IQAC as per latest NAAC guidelines: Yes/No: Yes

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10. No. of IQAC meetings held during the year: 2

The minutes of IQAC meeting and compliance to the decisions have been uploaded on the institutional website:
Yes/No: YES
https://ggnindia.dronacharya.info/IQAC.aspx

11. Whether IQAC received funding from any of the funding agency to support its activities during the year?   Yes   No √

       If yes, mention the amount: Year:

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

* Up skilling of students: Many Industrial Visit, Guest lecture, workshop, winter school were organized for the students. Also, students were encouraged to participate in the competitions and conferences.

* For students to learn latest technology and also to ensure the gap between academia industry, faculties were encouraged to attend FDP's seminars, conferences.

* Due to COVID-19 pandemic, online classes were organized for the student's continuous learning and upgradation of their knowledge.

* In Pandemic also many virtual campus drives were conducted.

* Feedback from stakeholders were taken.

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

Plan of Action	Achievements/Outcomes
Placement in core companies will be emphasized.	Students are placed in core companies like Maruti Suzuki India Ltd., Minda Nabtesco Automotive Pvt. Ltd, Capgemini, AlsoEnergy India Pvt. Ltd., Appventurez Mobitech Pvt. Ltd., Encore Capital Group (MCM), PPAP Automotive Limited, Jyoti CNC Automation Ltd., Bristlecone- A Mahindra Group, Beda Flow Systems India Pvt Ltd., Leixir Resources Pvt. Ltd., Maroon Insights LLC, Motherson Sumi Systems Limited, Roop Polymers Ltd., Sun Vacuum Formers Pvt. Ltd., Tata Consultancy Services Ltd., Vegazva Engineering Pvt. Ltd., Cape Electric Pvt. Ltd., Nippon Seiki Instruments India ltd, Azcom Infosolutions (India) Pvt. Ltd, Unistal Systems Pvt. Ltd., etc.
Conduct online workshops and seminars on latest technology for faculty and students.	• One Day Co-ordinator Workshop on E-Sim At IIT Bombay • Innovator's Life & Crossroad Motivational Speech • One Day Coordinator Workshop on "LINUX" • An Entrepreneurial Workshop & Competition "What's your big idea?"Workshop on HPLSummer School on "VHDL" • One Day Workshop on eSim • ICT Academy BRIDGE'19: A High Impact Industry Institute Interaction Event of India
Focus more on research and development.	• Faculty members and students published many papers.
Encourage students to participate in various competitions.	• Students participated in CSI Student Project Contest and won certificates.

	• Student participated in FAER McAfee Scholar Award Program 2019 and won 1st prize. • Students participated in Smart India Hackathon 2019 and won 3rd prize. • Students participated in SAE India Aerodesign Challenge 2019
Purchase New Equipment for Lab	• Received grant from AICTE under MODROB Scheme for modernisation of ECE Lab
Financial support from various government and non-government funding agencies	• Received grants from DST for various projects

14. Whether the AQAR was placed before statutory body?   Yes /No: Yes

  Name of the Statutory body: Management   Date of meeting(s): 22/07/2019 & 13/01/2020

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning?
Yes/No: NO   Date:

16. Whether institutional data submitted to AISHE: Yes/No: Yes

      Year: 2020   Date of Submission: 25/02/2020

17. Does the Institution have Management Information System?
  Yes √   **No**

If yes, give a brief description and a list of modules currently operational.
(Maximum 500 words)

Yes- College has **DCORE**- College's customized Management Information System

Biometric Attendance System for faculty and staff. Biometric machine is using two different modes of punching attendance either by face scanning or by fingerprint scanning. Faculty and staff total working days are calculated by machine automatically by counting the number of punch in the respective month. Details of salary of employees are also maintained by the system. Salary slip is generated and sent to employees through the system. Whole campus and buses are under CCTV surveillance to monitor and keep track of activities taking place in College premises or in buses. All the library operation including Accessioning, books transaction

records, books availability are all maintained through the system. Students can check book availability in the library and also issue date and return date for the same book.

Part-B

CRITERION I – CURRICULAR ASPECTS

1.1 Curriculum Planning and Implementation

1.1.1   Institution has the mechanism for well-planned curriculum delivery and documentation. Explain in 500 words

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The institute is affiliated to M.D. University Rohtak and any curriculum changes are made by the university itself. Institution representative gave his views on curriculum development at all sessions held at MD University in Rohtak. The institution provides quality education to its students through optimal use of resources. The institution has developed a structured and effective implementation of the university curriculum. Before the start of each semester, HOD of each department asks faculty members to prepare a PowerPoint presentation for each subject, which is uploaded on the website of the college. A laboratory handbook is also created by the faculty. To ensure quality teaching, many NPTEL videos and lectures from IIT Bombay have also been uploaded on the university website. Problem books for each subject are created by teachers and uploaded on the website to help students prepare for university entrance exams. In order to guide students for higher education, GATE classes are also conducted by faculty members and questions about them are also provided to students. Administrators ensure a uniform approach across campus. Before the start of each semester, an academic calendar is drawn up according to MD University's academic schedule to determine department-level requirements. Two sessional exams and one pre-university exam are taken for each semester. Extra classes are arranged for weaker students so that they can improve grades in university exam. Every Saturday, faculty and staff conduct question-and-answer sessions to help students better understand the subject matter. Each semester has one or two parent-teacher meetings for discussing student's progress.

1.1.2   Certificate/ Diploma Courses introduced during the Academic year

Name of the Certificate Course	Name of the Diploma Courses	Date of introduction and duration	focus on employability/ entrepreneurship	Skill development
Winter School on Software			Employability	Yes

Engineering		6th -11th January 2020		
Python 3.4.3 (Spoken Tutorial)		2012 (Duration 6 months)	Employability	Yes

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1.2 Academic Flexibility

1.2.1 New programmes/courses introduced during the Academic year

Programme with Code	Date of Introduction	Course with Code	Date of Introduction
NA	**NA**	**NA**	**NA**

1.2.2 Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the Academic year.

Name of Programmes adopting CBCS	UG	PG	Date of implementation of CBCS / Elective Course System	UG	PG
B.Tech (CSE)	**NIL**			**NIL**	
B.Tech (ECE)	**NIL**			**NIL**	
B.Tech (ME)	**NIL**			**NIL**	
B.Tech (IT)	**NIL**			**NIL**	
B.Tech (ECS)	**NIL**			**NIL**	
B.Tech (CSIT)	**NIL**			**NIL**	
B.Tech (EEE)	**NIL**			**NIL**	
B.Tech (Civil)	**NIL**			**NIL**	
M.Tech (CSE)		**YES**			**YES**

M.Tech(IT)		**YES**			**YES**
M.Tech (ME)		**YES**			**YES**
M.Tech (ECE)		**YES**			**YES**

Already adopted (mention the year) 2016-17	

1.2.3 Students enrolled in Certificate/ Diploma Courses introduced during the year

	Certificate	Diploma Courses
No. of Students	835	

1.3 Curriculum Enrichment

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

Value added courses	Date of introduction	Number of students enrolled
Winter School on Software Engineering	6th January, 2020	87
Winter School on Image and Signal Processing	6th January, 2020	35
Winter School on CAD/CAM	6th January, 2020	14
E-Session on innovation/IPR/Startup	28th April, 2020	180

1.3.2 Field Projects / Internships under taken during the year	
Project/Programme Title	No. of students enrolled for Field Projects / Internships
B.Tech (Computer Science & Engineering)	117
B.Tech (Computer Science & Information Technology)	25
B.Tech (Information Technology)	21
B.Tech (Electrical & Electronics Engineering)	7
B.Tech (Electronics & Communication Engineering)	22
B.Tech (Electronics & Computer Engineering)	2
B.Tech (Mechanical Engineering)	65
M.Tech (Computer Science & Engineering)	3
M.Tech (Information Technology)	1
M.Tech (Mechanical Engineering)	5
M.Tech (Electronics & Communication Engineering)	5

1.4 Feedback System

https://ggnindia.dronacharya.info/Downloads/Admin/feedback-DCE-2019-20.pdf

1.4.1 Whether structured feedback received from all the stakeholders.

1) Students	2) Teachers	3) Employers	4) Alumni	5) Parents
Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No

Yes	Yes	No	Yes	No

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

Dronacharya College of Engineering acquires feedback from all the stakeholders (students, parents, employees, alumni) and analyzes it for the betterment of the college. Students are asked from time to time by their respective HOD's about the course structure, teaching methodologies and co-curricular requirements. Any feedback received from the students is presented before the management for further execution and implementation. Students are encouraged to share and give feedback on the matters of concern. There are two parent teacher meet in a year whereby parents of the wards studying in the college are shared with their ward's performance. They are also asked to give feedback on the matters pertaining to the academic and non-academic arenas. College has a strong network of Alumni also which regularly gives feedback on important matters of concern. Many alumni meets are organized throughout the year whereby alumni also have the opportunity to share their perspectives on all matters of importance.

Entire feedback from all the sources are reviewed and analyzed by the concerned authorities and shortlisted suggestions are then put forth by the HOD's in front of the management.

CRITERION II -TEACHING-LEARNING AND EVALUATION
2.1 Student Enrolment and Profile

2.1. 1 Demand Ratio during the year

Name of the Programme	Number of seats available	Number of applications received	Students Enrolled
B.Tech (CSE)	180	354	172
B.Tech (ECE)	120	22	6
B.Tech (ME)	60	29	15
B.Tech (IT)	120	32	19
B.Tech (ECS)	30	0	0
B.Tech (CSIT)	60	63	38

B.Tech (EEE)	60	11	4
B.Tech (Civil)	60	0	0
M.Tech (CSE)	24	22	7
M.Tech(IT)	24	0	0
M.Tech (ME)	24	6	2
M.Tech (ECE)	24	0	0

2.2 Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of full time teachers available in the institution teaching only UG courses	Number of full time teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2019-20	1116	23	158	0	12

2.3 Teaching - Learning Process

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

Number of teachers on roll	Number of teachers using ICT *(LMS, e-Resources)*	ICT tools and resources available	Number of ICT enabled classrooms	Number of smart classrooms	E-resources and techniques used
170	170	LCD Projector, Computers, Laptops, LAN, Wi- Fi, Audio Systems, Whiteboards, Presentation Clicker, USB , Microphone,	60	10	ERP, e-Journals, Learning Management System, NPTEL

		Head Phone, Printer, Scanner, Subject related power point slides, Microsoft Teams, Google Meet, Zoom			, MOOCs ,N-List, SHODH GANG A MEMB ERSHIP

2.3.2 Students mentoring system available in the institution? Give details. (maximum 500 words)

At Dronacharya College of Engineering, Gurugram apposite student mentoring system is followed. Here, 1:7 faculty student ratio is followed for mentoring. Most of the faculty members are experienced and having vast knowledge related to subjects.

Extra effort is put through the way of special and extra classes for slow learners. The faculty is available beyond classrooms for settling doubts. Every Saturday, the faculty is available for clearing the doubts of all the students. As a learning mechanism, the college is well equipped with all advanced laboratories and a vast library which caters to all the learning needs of the faculty and the students. Online learning resources are also available for students & faculty.

Visiting and Guest lecturers also mentor students regarding overall development and higher educational courses after graduation. Students are encouraged to participate in various Seminars, Workshops, Symposiums, events and competitions. There is a good network of alumni who mentors the 3rd and final year students in analyzing job opportunities and preparing them for the real world challenges. Yearly two sessions of interaction with parents are also carried in the campus to give feedback about their ward's academic performance and behavior.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor: Mentee Ratio
1139	**170**	**1:7**

2.4 Teacher Profile and Quality

2.4.1 Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
168	**155**	**13**	**15**	**26**

2.4.2 Honours and recognitions received by teachers

(received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)

Year of award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2019-20	Mr. Krishanu Kundu and Mr. Ashwani Kumar	Assistant Professor	50000
2019-20	Mr. Chandra Shekhar	Assistant Professor	1106079
2019-20	Dr. Sangeeta Singla	Assistant Professor	491530

2.5 Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year- end examination	Date of declaration of results of semester-end/ year- end examination
Btech (Computer Science & Engineering)	366	I,III,V,VII	31.12.2019	04.02.2020
Btech (Information Technology)	374	I,III,V,VII	31.12.2019	04.02.2020

2.5.2 Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

The Institute is affiliated to M.D University, Rohtak and thus follows the examination pattern of the university. MDU guidelines are strictly adhered to with respect to evaluation process. Two internal sessional examinations and one pre-university examination are conducted by the college every semester to judge the performance of the students at various intervals. The schedules of internal sessional are informed to the students and faculties in the beginning of each semester through academic calendar (uploaded on website) which is being prepared in accordance with the university academic calendar. Question paper for the internal examination is prepared in the prescribed format by the faculties. HOD's of each department review the question paper so prepared to ensure the all-inclusiveness of curriculum in the question paper. Student attendance was also one of the criterion set for evaluation purposes. Assessment marks are uploaded on institute website. Marks are appraised by the faculty and HODs. The students have been encouraged and counselled continuously to study sincerely for the improvement of their performance. For laboratory sessions, students are assessed based on the practical performed, observation and viva –voice. The evaluation for project course is assessed by conducting periodical project reviews covering key parameters like problem formulations, understanding of the project, presentation skills, communication of ideas, technical knowledge, team work and project management

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2.5.3 Academic calendar prepared and adhered for conduct of Examination and other related matters (250 words)

The academic calendar is prepared bi-yearly by the concerned official in consultation with HoD(s). It is framed in line with the affiliating university's calendar. At the beginning of the academic session, the students are apprised of the academic calendar and the same is uploaded on the college website and displayed on notice boards and at strategic locations and sent via e-mails as well. Only the head of the institution can incorporate minor changes in an academic calendar which he may seem fit considering the unforeseen circumstances. The calendar includes information related to commencement of classes,

semester exams (theory & practical), list of holidays, list of events, workshops, Internal Assessment tests (IA), assignments, quizzes, and seminars. The students are also aided by such an organized approach. They can preplan their activities and be ready for all activities beforehand. This inculcates in them a sense of punctuality and responsibility. An academic calendar guarantees transparency as well

https://ggnindia.dronacharya.info/academiccalendar.aspx

2.6 Student Performance and Learning Outcomes

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

Computer Science Engineering: https://ggnindia.dronacharya.info/CSE/peos_pos.aspx

Computer Science & Information Technology : https://ggnindia.dronacharya.info/CSEIT/peos_pos.aspx

Information Technology : https://ggnindia.dronacharya.info/IT/peos_pos.aspx

Electronics & Communication **:** https://ggnindia.dronacharya.info/ECE/peos_pos.aspx

Electrical and Electronics Engineering **:** https://ggnindia.dronacharya.info/EEE/peos_pos.aspx

Electronics & Computer Engineering : https://ggnindia.dronacharya.info/ECS/peos_pos.aspx

Mechanical Engineering : https://ggnindia.dronacharya.info/ME/peos_pos.aspx

Civil Engineering **:** https://ggnindia.dronacharya.info/civil/peos_pos.aspx

2.6.2 Pass percentage of students

Programme Code	Programme name	Number of students appeared in the final year examination	Number of students passed in final semester/year examination	Pass Percentage
CSE	B.Tech	152	139	91.44%
ECE	B.Tech	46	33	71.73%
ME	B.Tech	78	66	84.61%

IT	B.Tech	42	23	54.76%
CIVIL	B.Tech	42	30	71.42%
ECS	B.Tech	11	9	81.81%
EEE	B.Tech	16	7	43.75%
CS&IT	B.Tech	40	26	65%
CSE	M.Tech	8	8	100%
ECE	M.Tech	14	14	100%
ME	M.Tech	10	10	100%
IT	M.Tech	7	7	100%

2..7 Student Satisfaction Survey

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

https://ggnindia.dronacharya.info/IQAC.aspx

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 Resource Mobilization for Research

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

Nature of the Project	Duration	Name of the funding Agency	Total grant sanctioned	Amount received during the Academic year
Major projects	2019-20	DST	11235029	11235029
Minor Projects	2019-20	SIH,MHRD	50000	50000
	2019-20	FAER	75000	75000
Interdisciplinary Projects				
Industry sponsored Projects				
Projects sponsored by the University/ College				
Students Research				

Projects *(other than compulsory by the College)*				
International Projects				
Any other(Specify)				
Total				

3.2 Innovation Ecosystem

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

Title of Workshop/Seminar	Name of the Dept.	Date(s)
IPR & Technology Transfer Training	CSE	16th - 17th January 2020
Exhibition Cum Mentorship Session for Innovators or Students Entrepreneurs	CSE/IT/CSIT/ECE/EEE/ECS/ME/CIVIL	06th March 2020

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3.2.2 Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of the Awardee	Awarding Agency	Date of Award	Category
RPI walking stick for blind people	Amar Saraswat, Ashu Khurana Gaurav	CSI	4th January 2020	Project
Aerodesign	Poshan Lal Sahu, Manish Mishra & 14 Students	SAEIndia Aerodesign 2019	19th -21st July 2019	Project
Smart Gloves with health monitoring and security	Krishanu kundu, Ashwani Kumar, Shreya Kumari Pandey, Aayush Bhan, Anandha Krishna Menon,	Smart India Hackathon	8th -12th July 2019	Project

	Urvashi Awasthi, Pranshu, Harshit Chaudhary			
Mobile Assistive kit for Visually impaired	Manan Bhardwaj, V. Sai Anila, Tamanna Sood, Naveen Daksh	McAFee FAER	15th June 2018	Project
Design a security framework for detecting intrusions at virtualization of computational level in Cloud Computing	Hansraj Yadav	Manipal University Jaipur	13th -15th February 2022	Paper Presentation
FITS Module	Gopi Krishna Menon	Google	5th May 2020	Summer of Code

3.2.3 No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Centre	Name	Sponsored by
NA	NA	NA

Name of the Start-up	Nature of Start-up	Date of commencement
NA	NA	NA

3.3 Research Publications and Awards

3.3.1 Incentive to the teachers who receive recognition/awards

State	National	International

3.3.2 Ph. Ds awarded during the year *(applicable for PG College, Research Center)*

Name of the Department	No. of Ph. Ds Awarded
NA	NA

3.3.3 Research Publications in the Journals notified on UGC website during the year

	Department	No. of Publication	Average Impact Factor, if any
National			
International		42	2.5

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3.3.4 Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year	
Department	No. of publication
CSE, ECE, ME, EEE	21

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3.3.5 Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or Pub Med/ Indian Citation Index

Title of the paper	Name of the author	Title of the journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citations
An efficient text-independent speaker verification for short utterance data from Mobile devices	SANGHAMITRA VIKAS ARORA	Multimedia Tools and Applications	05-12-2019		Department of Electronics and Communication Engineering, DCE, Gurgaon	

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3.3.6 h-index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the paper	Name of the author	Title of the journal	Year of publication	h-index	Number of citations excluding self citations	Institutional affiliation as mentioned in the publication
Design of Compact UWB MIMO Antenna with Enhanced Bandwidth	Dr. Ekta Thakur	Progress In Electromagnetics Research C	29-11-2019			Jaypee University of Information Technology India

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3.3.7 Faculty participation in Seminars/Conferences and Symposia during the year :

No. of Faculty	International level	National level	State level	Local level
Attended Seminars/ Workshops		6		6
Presented papers				
Resource Persons				

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3.4 Extension Activities

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

Title of the Activities	Organising unit/ agency/ collaborating agency	Number of teachers co-ordinated such activities	Number of students participated in such activities
Campaign : One Student One Tree	Dronacharya College of Engineering	15	15
Plastic Waste Free Campaign	Dronacharya College of Engineering	3	150

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3.4.2 Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the Activity	Award/recognition	Awarding bodies	No. of Students benefited
NA	**NA**	**NA**	**NA**

3.4.3 Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/ agency/ collaborating agency	Name of the activity	Number of teachers **coordinated** such activities	Number of students participated in such activities
Social Welfare Activity	NSS Wing	Plastic Waste Free Campaign	3	130
Social Welfare	NSS Wing	Swachhta Pakhwada	4	65

Activity	MHRD Innovation Cell	2020		
Social Welfare Activity	NSS Wing	Importance of Educating Girl Child	3	80

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3.5 Collaborations

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

Nature of Activity	Participant	Source of financial support	Duration
Student Exchange	6	Smart India Hackathon 2019	8th -12th July 2019
Faculty Exchange	1	One Day Conference on "Industry 4.0 readiness"	11th October 2019

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3.5.2 Linkages with institutions/industries for internship, on-the-job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration (From-To)	participant
IT Sector	On Job Training	Capgemini	1 Year	42
IT Sector	On Job Training	Kellton Tech Solutions Ltd.	1 Year	20

3.5.3 MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose and Activities	Number of students/teachers participated under MoUs
Cisco Networking Academy	2013-14 (Lifetime)	Workshops , Competitions, Certifications	135
CII	2019-20	Summits, Conferences, Workshops, Guest Lecture, Advance Training Program	123
Kyushu Institute of Technology, Japan	2019-20	Joint research exchange programme	2

CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 Physical Facilities

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

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
2500000	1800309

4.1.2 Details of augmentation in infrastructure facilities during the year

Facilities	Existing	Newly added
Campus area	10.4 acres	
Class rooms	65	
Laboratories	75	
Seminar Halls	9	
Classrooms with LCD facilities	43	
Classrooms with Wi-Fi/ LAN	65	
Seminar halls with ICT facilities	9	

		9	
Video Centre		9	
No. of important equipments purchased (≥ 1-0 lakh) during the current year.			
Value of the equipment purchased during the year (Rs. in Lakhs)			
Others			

4.2 Library as a Learning Resource

4.2.1 Library is automated {Integrated Library Management System -ILMS}

Name of the ILMS software	Nature of automation (fully or partially)	Version	Year of automation

4.2.1 Library Services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	34038	7796459	0	0	34038	7796459
Reference Books	11056	1393847	0	0	11056	1393847
e-Books	97000	5000		5000		97000
Journals	141	1283410	0	0	141	1283410
e-Journals	8415	85590			8415	85590
Digital Database	-	30000	-	-	-	30000
CD & Video						
Library automation	Yes	0	0	0	0	0
Weeding (Hard & Soft)						
Others (specify)	-	-	-	62390	-	62390

4.3 IT Infrastructure

4.3.1 Technology Upgradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Available band width (MGBPS)	Others
Existing	770	11	yes	yes	1	1	8	70MBPS	
Added	0	NIL	yes	yes	NIL	NIL	NIL	30MBPS	
Total	770	11	Yes	yes	1	1	8	100MBPS	

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

100 MBPS /GBPS

4.3.3 Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
DCE Facebook Page	https://www.facebook.com/DronacharyaGurgaon/
DCE Instagram Page	https://www.instagram.com/dronacharya_dce/
DCE Linkedin Page	https://www.linkedin.com/school/dronacharya-college-of-engineering/
DCE You-Tube Channel	

	https://www.youtube.com/@dronacharyacollegeofengine7116/videos
DCE Twitter Handle	https://twitter.com/dronacharya_123?lang=en
College Auditorium	https://ggnindia.dronacharya.info/auditorium.aspx
College Conference Hall	https://ggnindia.dronacharya.info/conferencehall.aspx
DCE Digital Swag	https://ggnindia.dronacharya.info/Digital-Swag.aspx

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

Name of the teacher	Name of the module	Platform on which module is developed	Date of launching e - content
NA	NA	NA	NA

4.4 Maintenance of Campus Infrastructure

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

Assigned budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
50000000	48100514	10000000	8488326

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

CRITERION V - STUDENT SUPPORT AND PROGRESSION

5.1 Student Support

5.1.1 Scholarships and Financial Support

	Name /Title of the scheme	Number of students	Amount in Rupees
Financial support from institution		9	386750
Financial support from other sources			
a) National	PMS, NSP	13	184100
b) International			

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

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
ETalk "Entrepreneur's Life & Crossroad"	09th October 2019	60	MHRD Innovation Cell
A One Day Webinar on "Hands On With Engineering Simulations & Calculations"	26th April 2020	30	Dronacharya College of Engineering, Gurugram

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

Year	Name of the scheme	Number of benefited students by Guidance for Competitive	Number of benefited students by Career Counselling activities	Number of students who have passed in the competitive exam	Number of students placed

		examination		8	
2019-2020	Guidance for competitive examinations	265			
2019-2020	Career Counselling		550		241
2019-2020	Soft skill development		967		
2019-2020	Remedial coaching	180			
2019-2020	Language lab		278		

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

Total grievances received	No. of grievances redressed	Average number of days for grievance redressal
NO	NO	NO

5.2 Student Progression

5.2.1 Details of campus placement during the year

On campus		Off Campus	

Name of Organizations Visited	Number of Students Participated	Number of Students Placed	Name of Organizations Visited	Number of Students Participated	Number of Students Placed
Capgemini Technology Services India Ltd	160	39	Maruti Suzuki India Ltd.	5	1
Kellton Tech Solutions Ltd.	80	17	Publicis Sapient	7	1

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5.2.2 Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of Programme admitted to

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

Items	No. of Students selected/ qualifying	Registration number/roll number for the exam
NET		
SET		
SLET		
GATE	7	
GMAT		
CAT		
GRE		
TOFEL		
Civil Services		
State Government Services		

Any Other	1	

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

Activity	Level	Participants
"Idea in Poster" Competition @ Innovation Day Campaign	institution level	55
Talent Hunt	institution level	80
Celebration of Internationals Women's Day	institution level	84

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5.3 Student Participation and Activities

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

Year	Name of the award/ medal	National/ International	Sports	Cultural	Student ID number	Name of the student
NA	NA	NA	NA	NA	NA	NA

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

There are student coordinators for all the academic and extracurricular events. They encourage other students to participate in the institute's activities as well. They serve as a liaison between educators and learners. The world is changing very quickly, and technology will follow suit very soon. Although it is not feasible to alter university curricula every year, this leads to a gap between what businesses need and what students know. To overcome this gap and make students industry ready, college is running departmental clubs on institutional level, centre of excellence and various student chapter. All the clubs are headed by the students of the college. All these clubs are running on latest technologies like block chain, IoT, Machine Learning, Cloud Computing, Robotic, Artificial Intelligence, Android Programming, iOS programming, Prototype and Product Making, Data Science, and 3D Designing. As students are the major stakeholders of the college, they also participate in the feedback process.

5.3 Alumni Engagement

5.3.1 Whether the institution has registered Alumni Association? Yes/No, if yes give details (maximum 500 words): YES

5.3.2 No. of ~~registered~~ enrolled Alumni: **1250**

5.3.3 Alumni contribution during the year (in Rupees) **:**

5.3.4 Meetings/activities organized by Alumni Association **:**

CRITERION VI –GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 Institutional Vision and Leadership

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

The college management believes in 360 Degree development of the students. Hence, with the intention of empowering students to develop leadership qualities and other administrative skills, the institute has an active student council. Workshop on Team building and leadership development is taken by the faculty members and alumni. Many clubs are formed with the motive of student's active participation and with these club's students are exhilarated to develop a positive approach towards participative management. For every club in the college, there is a student head followed by the team of students. These clubs are run for the students and by the students.

The institute firmly believes in participative management. The governance of the institute is decentralized. The institute also believes in autonomy for the smooth functioning of all its activities. The event calendar of the institute is prepared by involving faculty members and students. The Head of the institute gives liberty to the Head of departments and faculty members to organize and conduct various programs in consultation with the students. Student-centric methods, such as experiential learning, participative learning and problem-solving methodologies are used for enhancing leadership qualities. There is a robust mechanism of feedback. Every stakeholder participates in the feedback process on the matters of concern.

6.1.2 Does the institution have a Management Information System (MIS)?
 Yes/No/Partial:

Yes

6.2 Strategy Development and Deployment

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

❖ **Curriculum Development**

The institute is affiliated to MDU Rohtak & therefore follows the syllabus designed by the University. Syllabus Up gradation takes place every 2 years. In addition to the syllabus many guest lectures, workshops are conducted for the holistic development of the students.

❖ **Teaching and Learning**

The faculty is available beyond classrooms for settling doubts. The college is well equipped with all advanced laboratories and a vast library which caters to all the learning needs of the faculty and the students. Online learning resources are also available for students & faculty. Special lectures are organized for weaker students.

Visiting and Guest lecturers, Alumni also mentor our students regarding overall development and higher educational courses after graduation. Students are encouraged to participate in various Seminars, Workshops, Symposiums, events and competitions.

❖ **Examination and Evaluation**

The college has Examination cell for carrying the smooth functioning of the sessional and semester examinations. The Examination Committee looks after continuous evaluation through periodic weekly tests, assignments, skill development, doubt classes, quiz and sessional exams. The Examination Committee ensures that, MDU pattern is adhered to in setting the question paper and its evaluation. Continuous Internal Assessment is recorded. Students are given constructive feedback on the test and sessional results are displayed on the college website.

❖ **Research and Development**
Research is an integral part of carrying innovation and attaining development, there are various opportunities provided to facilitate research. A well-defined Research and Development cell is

there to carry the activities related to research. College also has IQAC cell. Financial support is provided to Faculties and students to participate in International Conferences, Seminars, Workshops, Symposiums, FDPs. Attending workshops is encouraged, financial support and on duty attendance is given for attendees. Institute has R&D Lab with latest equipment to support students in their research work. Faculty members and students are encouraged for patent filing and copyrights

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❖ **Library, ICT and Physical Infrastructure / Instrumentation**

The latest ICT tools and smart boards are being used for making teaching-learning effective. Classrooms are fully furnished with LCD/OHP/Computers. Institute's premise is Wi-Fi enabled. Renovation and upgradation of labs is done from time to time. The operation and services of Library are fully computerized with e-Granthalaya. The library has a reading hall and separate computers for students to access e-journals. The library is continuously updated in terms of latest books, journals and e-contents

Remote centre of IIT Bombay for conducting ICT Workshops

Remote centre of NITTTR Chandigarh for conducting ICT Workshops

Nodal Centre of IIT Delhi for virtual labs.

e-Yantra Lab

Auditorium having capacity of 500 person.

❖ **Human Resource Management**

The Institute strictly follows the guidelines issued by the Regulatory Authorities and University for appointment of Faculty. The pay scales, DA and HRA are given to the entire staff as per the prescribed norms. There is proper delegation of authority and the Institute has a defined organizational structure. The division of work is done on the basis of the core competence. In order to harness their skills, the training programs are arranged from time to time. The appointments are done in a very fair and transparent manner

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❖ **Industry Interaction / Collaboration**
The Institute makes constant efforts to make proactive industry linkages. Industrial Visits of students are being organized to give practical exposure. Institute has good industry institute interaction through alumni network. The industries have set up their center(s) of excellence in the Institute. Institute regularly sign MoUs with different industries. College is maintaining industry linkage for campus placement, training and internship. Experts from the industry are called for the conduction of Guest Lectures/ Workshop to provide students some practical exposure and understand the market demand and practical application of their technical skills and knowledge
❖ **Admission of Students**
The Institute admits candidates to the B.Tech Program through HSTES Counselling & direct. Admissions to the first year of B.Tech are based on the performance in the JEE MAINS EXAMINATION Candidates who have passed Intermediate of C.B.S.E. Board or (10+2) standard from other board are eligible for such an admission. Candidates are also admitted to the second year of B.Tech through lateral entry. For securing such admission, the candidate should have passed 3/4 year diploma (with minimum 60% marks). Further, the institute also takes admission directly for seats remaining vacant after counselling.

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

❖ **Planning and Development**

Planning is the first and most important part in development activities. Various committees are formed for its implementation. They meet periodically to discuss different aspects of web platform. The planned activity and its implementation progress is available on institutional website, Timetable and academic calendar is planned and uploaded on the website, all stakeholders can post feedback on the website, which is used for development purposes.

❖ **Administration**
College has **DCORE**- College's customized Management Information System

❖ **Finance and Accounts**

The Institute uses Tally ERP 9 – for fast and accurate accounting records. The transaction of salary is done through bank transfer. All the major transactions are done through online mode to keep the records.

❖ **Student Admission and Support**

Online Application form for admission is available on website. Scholarship for meritorious

students. Syllabus, subject information lectures are available on website for the support of students.

❖ **Examination**

- Online examination form
- Online submission of examination fees.
- Online declaration of sessional results.

6.3 Faculty Empowerment Strategies

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

Year	Name of teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2019-2020	Mr. Abhinav Panwar	Short Term Course on "Robotics" (NITTTR), Chandigarh		**8743**
2019-2020	Mr. Chandra Shekhar Singh	Faculty Member attended Co-ordinators' Workshop on Arduino, IIT Bombay		**11432**

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

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	Dates (from-to)	No. of participants (Teaching staff)	No. of participants (Non-teaching staff)
2019-2020	FDP ON ADVANCES IN ELECTRONIC	TRAINING ON ADVANCES IN ELECTRONIC DEVICE MODELING AND	1-6 July 2019	10	2

	DEVICE MODELING AND SIMULATION STUDIES	SIMULATION STUDIES			
2019-2020	FDP ON "FUTURE AND CHALLENGES IN ENGINEERING AND TECHNOLOGY"	TRAINING ON "FUTURE AND CHALLENGES IN ENGINEERING AND TECHNOLOGY"	30 Dec 2019 - 4 Jan 2020	20	5

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

Title of the professional development programme	Number of teachers who attended	Date and Duration (from – to)
Short Term Course on Curriculum Implementation	Mr. Yashvardhan Soni, Mr. Rajesh Mattoo, Mr. Ashwani Kumar	14th - 18th October, 2019
Short Term Course on "Software Testing using Open Source Tools"	Mr. Amar Saraswat	18th - 22nd November, 2019
Short Term Course on "Faculty Development: Planning and Management for Institutional Excellence"	Ms. Karanvir Kaur, Mr.Chandra Shekhar Singh	18th - 22nd November, 2019

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6.3.4 Faculty and Staff recruitment (no. for permanent/fulltime recruitment):			
Teaching		Non-teaching	
Permanent	Fulltime	Permanent	Fulltime/temporary

170	170	100	16

6.3.5 Welfare schemes for	
Teaching	Subsidized transportation facility is provided for faculty. • Medical facilities are available for all faculties. • Employee provident fund. • Financial support is provided for all faculties who present papers in national and international conferences, attend seminars, workshops and industrial training. • Maternity leave • Leave for higher studies. Group insurance for faculty members
Non-teaching	Transportation facility is provided. • Maternity leave is provided. • Distress programs are conducted. • Motivated to pursue higher education. • Skill development programs are conducted
Students	Group insurance for students. Medical facilities are made available when ever required inside the campus. • On campus placement drives are conducted. • WiFi facility. • Programs to enhance presentation skills of students are conducted. • Financial support is provided to students who go abroad for presenting papers in conferences. • Scholarship for meritorious students. • Industrial visit, guest lectures, workshop are conducted for skill development of students.

6.4 Financial Management and Resource Mobilization

6.4.1 Institution conducts internal and external financial audits regularly
 (with in 100 words each)
The Institute has a mechanism for internal and external audit to ensure financial compliance.

The expenditure concerning departmental activities, excluding the salary , are budgeted in the beginning of the financial year, with Principal and the HOD's to submit the budget proposal which includes equipment, software, maintenance expenses and cost of spares. The Principal consolidates the budget received from various Departments and presents to the Governing Council for approval.

Internal Audit:

Copy of Budget proposals, invoice and vouchers, and supporting documents of every purchase /events is

maintained in the respective Departments and the original documents are sent to the accounts department. The accountant verifies every document. The details of all the expenditures 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.

External Audit:

External audit of the institution is conducted once in a year post March 31st, by the CA SPG Associates. The External Auditor expresses their opinion on the financial Statements of the Institution based on their Audit.

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

Name of the non government funding agencies/ individuals	Funds/ Grants received in Rs.	Purpose
FAER	75000	Project
Google	3000$ Stipend	Google Summer of Code 2020

6.4.2 Total corpus fund generated

6.5 Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	ISO	Yes	committee
Administrative	Yes	ISO	Yes	committee

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

1. Two parent-teacher meetings were held in every semester in college.

2. Parents are informed about the performance of their wards at regular interval of time.

3. Relevant feedback is also taken from parents on regular basis for improvements in teaching learning

process.

4. Parents of slow learners or students having less attendance are informed by SMS/E-mail and sometimes called to visit the departmental HOD.

6.5.3 Development programmes for support staff (at least three)

1. Soft skill training and Induction program are organized

2. Excel /Power point presentation skill training workshops are conducted.

3. Training programmes for lab instructor are also conducted.

4. Motivational lectures are conducted for non-teaching staff.

5. Awards & certificates are also being issued for best performers.

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

6.5.5
a. Submission of Data for AISHE portal   : (Yes /No) Yes
b. Participation in NIRF   : (Yes /No) Yes
c. ISO Certification   : (Yes /No) Yes
d. NBA or any other quality audit   : (Yes /No)

6.5.6 Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting activity	Duration (from-----to------)	Number of participants
2019-20	Career Guidance Session	16th September 2019	1 Day	61
2019-20	ETalk "Entrepreneur's Life & Crossroad"	09th October 2019	1 Day	58
2019-20	Workshop on Combating Fraud Activities using Data Science	11th January 2020	1 Day	1

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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

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

Title of the programme	Period **(from-to)**	Participants	
		Female	Male
Celebration of Internationals Women's Day	8th March 2020	124	
Importance of Educating Girl Child	24th January 2020	100	
One Day Coordinator Workshop on "LINUX"	3rd August 2019	1	

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7.1.2 Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:
Percentage of power requirement of the College met by the renewable energy sources

Power requirement met by renewable energy sources	Total power requirement	Renewable energy source	Renewable energy generated and used	Energy supplied to the grid
Solar Plant	18 KW	Sun (Solar Plant)	Boys Hostel in Winter Season to hot the water	NA

7.1.3 Differently abled (Divyangjan) friendliness		
Items Facilities	Yes/No	No. of Beneficiaries
Physical facilities	Yes	
Provision for lift	NO	
Ramp/ Rails	Yes	
Braille Software/facilities	NO	
Rest Rooms	Yes	
Scribes for examination	Yes	
Special skill development for differently abled students	No	
Any other similar facility	NO	

7.1.4 Inclusion and Situatedness

Enlist most important initiatives taken to address locational advantages and disadvantages during the year

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date and duration of the initiative	Name of the initiative	Issues addressed	Number of participating students and staff
2019-2020	1	1	24th January 2020	Importance of Educating Girl Child	Awareness about inequities that girls face in Indian society	100
2019-2020	1	1	8th june 2020	Awareness by Poster presentation on Prevention better than cure (COVID 19)	Awareness about Containment of Covid-19	10
2019-2020	1	1	16th - 30th Jan 2020	Swachhta Pakhwada 2020	Awareness about importance of cleanliness	250

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7.1.5 Human Values and Professional Ethics		
Code of conduct (handbooks) for various stakeholders		
Title	Date of Publication	Follow up (maximum 100 words each)
Discipline and Code of Conduct (https://ggnindia.dronacharya.info/rules.aspx)		**Discipline is synonymous of the Dronacharyan tradition. Every care is taken to maintain an ideal discipline and to make it a primary part of our work culture. We believe that nothing substantive can be achieved without a true spirit of discipline. Our academic environment is nurtured on discipline. This happens to be the fore-most trait to enable us to impart quality education and to produce meritorious results. The entire code of conduct requires absolute sense of obedience and subordination to the Department Head and the Faculty concerned.**

7.1.6 Activities conducted for promotion of universal Values and Ethics		
Activity	Duration (from-------to-------)	Number of participants
Plastic Waste Free Campaign	11th - 27th September 2019	150
Swachhta Pakhwada 2020	16th - 30th January 2020	180
Cloth Donation Camp	6th December 2019	10

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

1. Tree plantation activity is organized by NSS Wing of the college.

2. Biogas plant is installed in the campus.

3. College is using Water Harvesting in campus.

4. Solar Heating System is used in hostel for heating water in winter season.

5. Class rooms are made in such a way that adequate sun light and fresh air comes in all class rooms.

6. Use of plastic items is prohibited in college canteen.

7. Restricted entry of automobiles in the college campus beyond the parking space.

7.2 Best Practices

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

Link on website : https://ggnindia.dronacharya.info/IQAC.aspx

7.3 Institutional Distinctiveness

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

Areas that college focuses on are making students fit for industry, establishing them as good entrepreneurs, and enabling them to clear competitive exams. College emphasize on improving teaching and learning parameters. Modern ICT tools and smart boards such as Google Classroom and video conferencing tools make teaching and learning effective. Mock tests, tutorials, seminars, group discussions, mock interviews, and many extra-curricular activities are available to fulfill the PEOs designed by the Institute. Regular structured feedback is recorded and analyzed, presented to IQAC and the Institute's governing bodies, and appropriate corrective actions are implemented to achieve the desired learning outcomes.

Faculty members use IT-enabled learning tools such as PPTs, video clips, audio systems, and online sources to provide advanced knowledge and hands-on learning to students. Teaching and learning methods used by teachers include experiential learning, participatory learning, interactive methods, and project-based learning. Teaching and learning activities are effectively designed through illustrations and special lectures. Regular assessment of students is done through daily homework, classes, seminars, assignments, group discussions, quizzes, class tests, projects, viva-voice and attendance. The classrooms are equipped with LCDs, OHPs, and computers. The library is equipped with e-books, e-journals, magazines and reference books in bulk for faculty

and students to facilitate learning. Adequate infrastructure facilities for teaching and learning are available in the campus. Well-trained and experienced teachers mentor students.

Computer labs are equipped with the latest configuration hardware and original licensed software. Many bridging programs such as time management sessions, motivational sessions, and personal development sessions are organized for students. Guest lectures and workshops are organized for students to gain practical experience. To prepare students for industry, the institute operates a Center of Excellence, a club of innovation cells, and various departmental clubs at the institutional level like Sports Club, Cultural Club, Technical Language Club, Robotic Club.

Student placement is highly dependent on teaching and learning methods. The college has a strong training and placement department whose main focus is to provide students with good placement opportunities. The college also provides information about internship opportunities. Various internships and placement drives are also part of the department's to-do list activities. Appropriate guidance is also provided by teachers for those who wish to advance to higher education. Universities also encourage students for startups. College alumni provides valuable guidance on topics such as resume writing, GD cracking, and interviewing, and offer industry insights, placement, career advice, and entrepreneurship.

8. **Future Plans of action for next academic year (500 words)**

Some of the future plans of action of Dronacharya College of Engineering, Gurgaon for the next academic year are as follows:

1.To meet the current industry demand, college will add new courses CSE(AIML), CSE (IOT & Cybersecurity) and Robotics & Automation.

2.Due to Covid-19 Pandemic, online classes for student will be continued.

3.Improvement of skills of the students by inculcating core values among them through value based education

4.Improving academic excellence through focusing upon participative and experiential learning.

5.Focusing upon encouraging students for writing papers, participating in various seminars and paper presentation by the students.

6.Encouraging students for participating in more social events through activities of NSS, sports and cultural activities.

7.Encouraging teachers and students for research activities and filing more patents.

8. Encouraging students to participate in state or national level seminars, conferences, workshops, etc.

9.Focus on having 100% placement of students.

Name : Dr. Ashima Mehta   *Name : Prof.(Dr.) BMK Prasad*

_____   _____

Signature of the Coordinator, IQAC   *Signature of the Chairperson, IQAC*

Principal
Dronacharya College of Engineering
Farrukh Nagar, Gurgaon.

_____***_____

Abbreviations:

CAS	-	Career Advancement Scheme
CAT	-	Common Admission Test
CBCS	-	Choice Based Credit System
CE	-	Centre for Excellence
COP	-	Career Oriented Programme
CPE	-	College with Potential for Excellence
DPE	-	Department with Potential for Excellence
GATE	-	Graduate Aptitude Test
NET	-	National Eligibility Test
PEI	-	Physical Education Institution
SAP	-	Special Assistance Programme
SF	-	Self Financing
SLET	-	State Level Eligibility Test
TEI	-	Teacher Education Institution

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