

*Guidelines for the Creation of the*  
**Internal Quality Assurance Cell (IQAC)**  
**and Submission of Annual Quality Assurance**  
**Report (AQAR) in Accredited Institutions**  
*(Revised in October 2013)*



राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद्

विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान

**NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL**

*An Autonomous Institution of the University Grants Commission*

P. O. Box. No. 1075, Opp: NLSIU, Nagarbhavi, Bangalore - 560 072 India

## The Annual Quality Assurance Report (AQAR) of the IQAC

All NAAC accredited institutions will submit an annual self-reviewed progress report to NAAC, through its IQAC. The report is to detail the tangible results achieved in key areas, specifically identified by the institutional IQAC at the beginning of the academic year. The AQAR will detail the results of the perspective plan worked out by the IQAC. (Note: The AQAR period would be the Academic Year. For example, July 1, 2012 to June 30, 2013)

### Part – A

#### 1. Details of the Institution

1.1 Name of the Institution

Dronacharya College of Engineering

1.2 Address Line 1

Village - Khentawas

Address Line 2

Farrukhnagar

City/Town

Gurgaon

State

Haryana

Pin Code

123506

Institution e-mail address

principal@ggnindia.dronacharya.info

Contact Nos.

0124-2375502/3/4

Name of the Head of the Institution:

Prof (Dr.) B. M. K. Prasad

Tel. No. with STD Code:

0124-2275327

Mobile:

9910380104

Name of the IQAC Co-ordinator: Prof (Dr.) Sri Krishan Yadav

Mobile: 9910236363

IQAC e-mail address: deanacademics@ggnindia.dronacharya.info

1.3 NAAC Track ID 12459

1.4 Website address: www.dronacharya.info

Web-link of the AQAR: www.ggnindia.dronacharya.info/AQAR2013

### 1.5 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 <sup>st</sup> Cycle	B	07	2005	2010
2	2 <sup>nd</sup> Cycle	B	2.92	2012	2017
3	3 <sup>rd</sup> Cycle				
4	4 <sup>th</sup> Cycle				

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

1.7 AQAR for the year 2012-13

1.8 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC (*for example AQAR 2010-11 submitted to NAAC on 12-10-2011*)  
N. A.

*This is the first Assessment report after the reaccreditation of Year 2012-13*

1.9 Institutional Status

University State  Central  Deemed  Private  N.A.

Affiliated College Yes  No

Constituent College Yes  No

Autonomous college of UGC Yes  No

Regulatory Agency approved Institution Yes  No  **Approved by AICTE**

(eg. AICTE, BCI, MCI, PCI, NCI)

Type of Institution Co-education  Men  Women

Urban  Rural  Tribal

Financial Status Grant-in-aid  UGC 2(f)  UGC 12B

Grant-in-aid + Self Financing  Totally Self-financing

1.10 Type of Faculty/Programme

Arts  Science  Commerce  Law  PEI (Phys Edu)

TEI (Edu)  Engineering  Health Science  Management

Others (Specify)

1.11 Name of the Affiliating University (*for the Colleges*)

Maharishi Dayanand University,  
Rohtak (Haryana)

1.12 Special status conferred by Central/ State Government-- UGC/CSIR/DST/DBT/ICMR etc

N.A.

No

Autonomy by State/Central Govt. / University

University with Potential for Excellence	<input type="text"/>	UGC-CPE	<input type="text"/>
DST Star Scheme	<input type="text"/>	UGC-CE	<input type="text"/>
UGC-Special Assistance Programme	<input type="text"/>	DST-FIST	<input type="text"/>
UGC-Innovative PG programmes	<input type="text"/>	Any other ( <i>Specify</i> )	<input type="text"/>
UGC-COP Programmes	<input type="text"/>		

**2. IQAC Composition and Activities**

2.1 No. of Teachers	<input type="text" value="6"/>
2.2 No. of Administrative/Technical staff	<input type="text" value="4"/>
2.3 No. of students	<input type="text" value="2"/>
2.4 No. of Management representatives	<input type="text" value="1"/>
2.5 No. of Alumni	<input type="text" value="2"/>
2.6 No. of any other stakeholder and community representatives	<input type="text" value="2"/>
2.7 No. of Employers/ Industrialists	<input type="text" value="2"/>
2.8 No. of other External Experts	<input type="text" value="2"/>
2.9 Total No. of members	<input type="text" value="21"/>
2.10 No. of IQAC meetings held	<input type="text" value="2"/>

2.11 No. of meetings with various stakeholders:

No.  Faculty

Non-Teaching Staff

Students

Alumni

2.12 Has IQAC received any funding from UGC during the year? Yes No

If yes, mention the amount

### 2.13 Seminars and Conferences (only quality related)

(i) No. of Seminars/Conferences/ Workshops/Symposia organized by the IQAC

Total Nos.  International  National  State  Institution Level

(ii) Themes

Cloud Computing, Microsoft XAN Game studio, Entrepreneurship, Women Empowerment, IPR, DB2 - Data Base Program, Ideating, Inventing and Patenting, Technical Consultancy

### 2.14 Significant Activities and Contribution by IQAC:

#### 1. Academic:-

- (a) There are sustained efforts to improve the academic performance of weak students. Extra classes are conducted for their better results. More emphasis is given on clearing the fundamentals of the subjects. Faculty members are encouraged to give FAQ to students of their respective subjects. With all these efforts result is better than the university average.
- (b) Faculty members are trained on new technologies like DB2 & Rational SEED by IBM as a college initiative to train the trainer.
- (c) Industrial visits in and around NCR are organized. Some of the companies visited are Huawei, Network Bulls, Maruti, Yakult Milk, etc

2. **Development/Improvement in Students Performance:-**

- (a) The students are counselled from time to time. Two class counsellors are appointed per class. Final year students are associated with a faculty mentors for proper guidance and better counselling.
- (b) There is a consistent effort to improve the performance of students in the University Examination.
- (c) In addition, the consistent efforts are made to improve the performance in placements. The efforts are also made to improve the soft skills and communication skills of the students so that they are able to face interviews.
- (d) The students are encouraged to participate in National & International Seminars.
- (e) In order to encourage research work in the college, a highly qualified and experienced faculty is appointed as Advisor Research & Training. College started its own research journal which encourages faculty members to pursue research and publish their research work.
- (f) Alumni connect program are conducted by college on regular basis to guide the students differences between present education system and actual demands of Industries
- (g) Regular online practice tests are conducted for the student's preparation for placement.

3. **New Facilities Created:-**

- (a) The labs are being set up for Civil Engineering and Electronics and Computer Science branch.
- (b) LCD projectors are installed in all the classrooms
- (c) **Library :-** Thousands of Books and e-journals are made available in library, separate computers are installed for online access .

4. **Projects:-**

Project is the most important part in any professional course. To motivate the students in fabrication of good project, the college is giving cash prize of Rs. 20,000/- to the students and 5000/- to the Faculty Guide for one best project per branch. All the projects made by the students are judged on their commercial utility.

CSI Regional Level Project Competition (North India) is organized in the college, in which many colleges from different states of North India participated. The Best Project Award was

given to Mr. Surya Mani Sharma of Dronacharya College of Engineering, Farrukhnagar which also got the second prize at the National Level Project Competition held at Udaipur.

#### 5. Collaboration with Various Companies

To uplift the professional competence and to mitigate the gap between Industry Demand and University Curriculum the college signed various MOUs with top companies. IQAC played a critical role in starting of various centre of excellence and signing of MOUs. Some of the MOUs signed are:

- With IBM for IBM Center of Excellence
- With TCS for Online Examination
- With ORACLE for Oracle IT Academy
- With Microsoft for Microsoft IT Academy and many more....

#### 6. Seminar, Workshop & Various Bridge Courses

Many workshops, seminars and bridge courses are organized by various departments to make students more proficient in today's ever changing technical world. These workshops and bridge courses are organized with the help of the various eminent personalities from various industries.

#### 7. National Social Service

- a) Blood donation camp is organized in the college.
- b) Participation in Run for obesity at Medanta
- c) Visit to Slum Areas at Farrukhnagar
- d) Rally on social issues.

#### 8. Encouragement to girl education and help to poor and needy students

In order to encourage girl education, which is call of the day, the Management decided to award full fee concession to 15 girls on merit-cum-means basis.

#### 9. Students' Achievement in Academics

University results improved considerably. In most of the subjects the pass percentage is more the 90%. In few departments, maximum numbers of students from the college are placed in the merit list declared by the University. Few of students are University toppers also.



## 10. Entrepreneurship Development

With an objective of encouraging the students to consider an option of becoming an entrepreneur, the college has established an Entrepreneurship Development Cell. The cell is organized by a team of faculty members and students. Seminars are conducted by the Entrepreneurship Development Cell in which various eminent speakers from industry, banks, Government are invited for their valuable suggestions.

## 11. Sports Facilities:-

Facilities for outdoor sports like Volley Ball, Basket Ball, Cricket and Badminton are available. Facilities for indoor sports like Chess, Carom, Table Tennis are available.

### 2.15 Plan of Action by IQAC / Outcome

The plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement and the outcome achieved by the end of the year \*

<u>Plan of action</u>	<u>Achievements</u>
<b>1. <u>Academic:-</u></b> a) Sustain the improvements in result achieved till date and make further improvements. b) Train the trainer concept will be continued. c) More industrial visits for students will be organized. d) Encourage faculty to enrol for Ph.D. e) Encourage faculty members to attain national and international seminars/workshops /entrepreneurship program. f) MOU with Industries.	(a) Result of this year is better than the result of previous years (b) Many FDPs are organized during this year. (c) Industrial visits organized in companies like Network bulls, Maruti, IAF etc. (d) Many faculty members are pursuing PhD. (e) Maximum faculty members participated in national and international conferences / workshops (f) MOU signed with ORACLE, IBM, Microsoft etc.

<p><b>2. <u>Development/Improvement in Students Performance:-</u></b></p> <p>a) Counselling for weak students, Extra efforts to improve Results and Close mentoring of final year students.  b) Encouraging participation in seminars.  c) Publish research Journal.  d) Promote close alumni interaction with current students.  e) Active student participation in EDC  f) Increase participation of student creative activities/ clubs.</p>	<p>a) Better university results achieved  b) Students participated in National seminars  c) Bi-Annual Research Journal is published.  d) Alumni meet has been organized at Hotel Taj, New Delhi any many alumni contributed in college's growth.  e) Workshops conducted by EDC cell  f) Various activities are organized by various clubs.</p>
<p><b>3. <u>Facilities:-</u></b></p> <p>(a) Purchase of some latest computers to upgrade existing lab.  (b) Purchase of some latest equipment for up gradation of labs.  (c) Purchase of some more Audio Visual Aids for Departments.  (d) <b><u>Library :-</u></b> Setting up of digital Library and establishment of separate section.</p>	<p>- Latest computers with updated configuration are purchased.  - Latest equipments are purchased for various labs.  - Language lab will be ready by next semester.  - New digital library is established with more space for students .</p>
<p><b>4. <u>Sports Facilities :-</u></b>  Improvement in Sports facilities. More sport (indoor &amp; outdoor) equipments will be purchased.</p>	<p>More sports equipments are purchased, college is now organizing it's sports meet twice a year.</p>
<p><b>5. More Class rooms and Tutorial Rooms shall be constructed.</b></p>	<p>New Class rooms and Tutorial rooms are built.</p>

*\* Attach the Academic Calendar of the year as Annexure.*

2.15 Whether the AQAR was placed in statutory body      Yes       No   
Management       Syndicate       Any other body

Provide the details of the action taken

AQAR was discussed in details in Management's meeting and Academic Council and the suggestions were incorporated.

**Part – B**

**Criterion – I**

**1. Curricular Aspects**

1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
PhD				
PG	00	02	02	
UG	06	01	07	
PG Diploma				
Advanced Diploma				
Diploma				
Certificate				4
Others				12
<b>Total</b>	06	03	09	16

Interdisciplinary				
Innovative				

1.2 (i) Flexibility of the Curriculum: CBCS/Core/Elective option / Open options

(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	<b>07 UG, 02 PG</b>
Trimester	
Annual	

1.2 Feedback from stakeholders\*

Alumni

Parents

Employers

Students

*(On all aspects)*

Mode of feedback : Online  Manual  Co-operating schools (for PEI)

*\*Please provide an analysis of the feedback in the Annexure*

**1.4 Whether there is any revision/update of regulation or syllabi, if yes, mention their salient aspects.**

Syllabi updating is done by the academic council of M. D. University Rohtak. Amendments in syllabus was done by M.D. University Rohtak for this academic session

**1.5 Any new Department/Centre introduced during the year. If yes, give details.**

Post Graduation Program in Electronics & Communication Engineering and Mechanical Engineering has been started. At under graduate level, a new branch Electrical & Electronics Engineering has been started.

**Criterion – II**

**2. Teaching, Learning and Evaluation**

**2.1 Total No. of permanent faculty**

Total	Asst. Professors	Associate Professors	Professors	Others
158	109	29	18	2

**2.2 No. of permanent faculty with Ph.D.**

38

**2.3 No. of Faculty Positions Recruited (R) and Vacant (V) during the year**

Asst. Professors		Associate Professors		Professors		Others		Total	
R	V	R	V	R	V	R	V	R	V
20	18	6	5	2	2	1	0	29	25

**2.4 No. of Guest and Visiting faculty and Temporary faculty**

01

01

Nil

**2.5 Faculty participation in conferences and symposia:**

No. of Faculty	International level	National level	State level
Attended	04	17	NIL
Presented papers	18	24	NIL
Resource Persons	02	04	NIL

**2.6 Innovative processes adopted by the institution in Teaching and Learning:**

Virtual Labs, International Level Certification courses, Spoken Tutorial for first year students, Multimedia Power Point Presentation, On Line assignments

**2.7 Total No. of actual teaching days during this academic year**

207

**2.8 Examination/ Evaluation Reforms initiated by the Institution (for example: Open Book Examination, Bar Coding, Double Valuation, Photocopy, Online Multiple Choice Questions)**

Double evaluation, on- line assignments

**2.9 No. of faculty members involved in curriculum Restructuring /revision/syllabus development as member of Board of Study/Faculty/Curriculum Development workshop**

2      2      2

**2.10 Average percentage of attendance of students**

82%

**2.11 Course/Programme wise Distribution of pass percentage:**

Title of the Programme	Total no. of students appeared	Division				
		Distinction %	I %	II %	III %	Pass %
B. Tech.	407	23%	59.7%	0.04%	NIL	87.22%

### 2.12 How does IQAC Contribute/Monitor/Evaluate the Teaching & Learning processes:

IQAC does frequent meetings with the academic committee of the college and suggests changes in the teaching & learning processes where ever it is required. IQAC has developed a mechanism in which the Teaching & Learning process is monitored closely and a report is submitted every fortnightly to the chairperson of IQAC. The progress is evaluated by comparing different results on various parameters.

### 2.13 Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	07
UGC – Faculty Improvement Programme	12
HRD programmes	04
Orientation programmes	04
Faculty exchange programme	Nil
Staff training conducted by the university	02
Staff training conducted by other institutions	05
Summer / Winter schools, Workshops, etc.	16
Others(Webinars)	69

### 2.14 Details of Administrative and Technical staff

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	90	8	6	2
Technical Staff	38	5	5	Nil

### Criterion – III

#### 3. Research, Consultancy and Extension

##### 3.1 Initiatives of the IQAC in Sensitizing/Promoting Research Climate in the institution

- Research Journal is publishing biannually.
- Separate R&D Labs is established for research purpose.
- Students are encouraged to write & publish research papers for various International Journals.
- Students are encouraged to file patents & copyrights

##### 3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	5	Nil	5	Yes
Outlay in Rs. Lakhs	5	Nil		Yes

##### 3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	1	Nil	1	Yes
Outlay in Rs. Lakhs	1	Nil	1	Yes

##### 3.4 Details on research publications

	International	National	Others
Peer Review Journals	31	16	
Non-Peer Review Journals	44	28	
e-Journals	69	48	
Conference proceedings	37	18	

##### 3.5 Details on Impact factor of publications:

Range  Average  h-index  Nos. in SCOPUS

**3.6 Research funds sanctioned and received from various funding agencies, industry and other organisations**

Nature of the Project	Duration Year	Name of the funding Agency	Total grant sanctioned	Received
Major projects	2009-2014	DST	25 Lacs	20 Lacs
Minor Projects	2013	IEDC	1 Lac	1 Lac
Interdisciplinary Projects				
Industry sponsored				
Projects sponsored by the University/ College				
Students research projects <i>(other than compulsory by the University)</i>				
Any other(Specify)				
Total				

3.7 No. of books published i) With ISBN No.  Chapters in Edited Books

ii) Without ISBN No.

3.8 No. of University Departments receiving funds from **N.A.**

UGC-SAP  CAS  DST-FIST   
DPE  DBT Scheme/funds

3.9 For colleges  
Autonomy  CPE  DBT Star Scheme   
INSPIRE  CE  Any Other (specify)

3.10 Revenue generated through consultancy



3.11 No. of conferences organized by the Institution	Level	International	National	State	University	College
	Number		2	2		4
	Sponsoring agencies		IEEE, CSI			College

3.12 No. of faculty served as experts, chairpersons or resource persons

3.13 No. of collaborations International  National  Any other

3.14 No. of linkages created during this year

3.15 Total budget for research for current year in lakhs:

From Funding agency  From Management of University/College

Total

**3.16 No. of patents received this year**

Type of Patent		Number
National	Applied	NIL
	Granted	NIL
International	Applied	NIL
	Granted	NIL
Commercialised	Applied	NIL
	Granted	NIL

**3.17 No. of research awards/ recognitions received by faculty and research fellows Of the institute in the year**

Total	International	National	State	University	Dist.	College
		4				8

3.18 No. of faculty from the Institution who are Ph. D. Guides

and students registered under them

3.19 No. of Ph.D. awarded by faculty from the Institution

3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
Number		2	2		4
Sponsoring agencies		IEEE, CSI			College

3.12 No. of faculty served as experts, chairpersons or resource persons

3.13 No. of collaborations International  National  Any other

3.14 No. of linkages created during this year

3.15 Total budget for research for current year in lakhs:

From Funding agency  From Management of University/College

Total

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	Granted	NIL

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Total	International	National	State	University	Dist.	College
		4				8

3.18 No. of faculty from the Institution who are Ph. D. Guides

and students registered under them

3.19 No. of Ph.D. awarded by faculty from the Institution

3.20 No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones) **NIL**

JRF       SRF       Project Fellows       Any other

3.21 No. of students Participated in NSS events:

University level       State level   
National level       International level

3.22 No. of students participated in NCC events:

University level       State level   
National level       International level

3.23 No. of Awards won in NSS:

University level       State level   
National level       International level

3.24 No. of Awards won in NCC: **Nil**

University level   
National level       State level   
International level

3.25 No. of Extension activities organized

University forum       College forum   
NCC       NSS       Any other

### 3.26 Major Activities during the year in the sphere of extension activities and Institutional Social Responsibility

- Blood Donation Camp organized in association with Rotary Club
- 7 Day NSS Camp is organized.
- Participation in Run for obesity at Medanta
- Visit to OM Shanti Retreat Centre, Gurgaon
- Visit to Slum Areas at Farrukhnagar
- Complete Health Check- up organized by Medanta in college campus
- Rally on social issues.
- Educational Trip to the Energy and Resource Institute(TERI) , Gurgaon
- Workshop on Ideating, Inventing and Patenting
- Workshop on Robotics

#### Criterion – IV

#### 4. Infrastructure and Learning Resources

##### 4.1 Details of increase in infrastructure facilities:

Facilities	Existing	Newly created	Source of Fund	Total
Campus area	10.4 Acre		Institution	10.4 Acre
Class rooms	43	9	Institution	52
Laboratories	72	2	Institution	74
Seminar Halls	11		Institution	11
No. of important equipments purchased ( $\geq$ 1-0 lakh) during the current year.			Institution	
Value of the equipment purchased during the year (Rs. in Lakhs)	32.07		Institution	
Others (Rs. in Lakhs)	2.92		Institution	

#### 4.2 Computerization of administration and library

- Digital library is started in the college.
- Library is using e-Granthalaya Software and is fully computerized
- College is using DCORE software package for managing information across various departments and administration.
- All offices are having dedicated computer systems with peripherals like printers, scanners etc.

#### 4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	20604	5234845	5069	588116	25673	5822961
Reference Books	8560	713842	2407	309738	10967	1023580
e-Books	-	-	-	-	-	-
Journals	92	198377	176707	228024	92	904731
e-Journals	2415	80590	-	-	2415	80590
Digital Database	-	-	-	-	-	-
CD & Video	-	-	-	-	-	-
Others (specify)	-	-	-	-	-	-

#### 4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Depart-ments	Other s
Existing 2011-12	608	12	10 MBPS		1	1	6	
Added 2012-13	84	3	NIL		NIL	NIL	1	
Total	792	15	10 MBPS				7	

4.5 Computer, Internet access, training to teachers and students and any other programme for technology upgradation (Networking, e-Governance etc.)

- All labs are connected with LAN
- Entire campus is having Wi-Fi environment
- Training programs for faculty members are organized.
- NPTEL lectures are available at college library for faculty & students' reference.
- College is having 10MBPS bandwidth for internet usage.

4.6 Amount spent on maintenance in lakhs :

i) ICT	12.47
ii) Campus Infrastructure and facilities	15.09
iii) Equipment's	4.58
iv) Others	34.28
<b>Total :</b>	<b>66.42</b>

**Criterion – V**

**5. Student Support and Progression**

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

- Notices regarding various activities and student support programs are prominently displayed on notice boards.
- E-mail to all students regarding various student support services are sent frequently.

5.2 Efforts made by the institution for tracking the progression

- Complete Information of every student is maintained at the department level
- This information is updated fortnightly
- Detailed analysis of the sessional examination is being done at department level and corrective actions are initiated wherever required.

5.3 (a) Total Number of students

U. G.	P. G.	Ph. D.	Others
2210	03	NIL	Nil

(b) No. of students outside the state

1177

(c) No. of international students

NIL

No	%
1728	78.08

Men

No	%
485	21.92

Women

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
1298	102	0	471	0	1871	1543	97	0	573	0	2213

Demand ratio

Dropout % 2.11

5.4 Details of student support mechanism for coaching for competitive examinations (If any)

- Organize GATE preparation classes for pre-final and final year students
- MOU with TIME for CAT for final year students

No. of students beneficiaries

905

5.5 No. of students qualified in these examinations

NET	<input type="text"/>	SET/SLET	<input type="text"/>	GATE	<input type="text" value="7"/>	CAT	<input type="text" value="4"/>
IAS/IPS etc	<input type="text"/>	State PSC	<input type="text"/>	UPSC	<input type="text"/>	Others	<input type="text" value="23"/>

## 5.6 Details of student counselling and career guidance

- Counselling of students is being done at a very minute level.
- Career guidance cell guides students about various options after B. Tech and tell them about how to proceed.
- All final year's students are mentored in small groups & industry experts are coming for their career counselling

No. of students benefitted

## 5.7 Details of campus placement

<i>On campus</i>			<i>Off Campus</i>
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
63	291	250	19

## 5.8 Details of gender sensitization programmes

- Scholarship to Girl Students is being given by the management. Various competitions for only girl students are organized. Panel discussion on "Women Empowerment" was organized.

## 5.9 Students Activities

### 5.9.1 No. of students participated in Sports, Games and other events

State/ University level  National level  International level

No. of students participated in cultural events

State/ University level  National level  International level



5.9.2 No. of medals /awards won by students in Sports, Games and other events

Sports : State/ University level  National level  International

Cultural: State/ University level  National level  International

#### 5.10 Scholarships and Financial Support

	Number of students	Amount(In lakhs)
Financial support from institution	9	3.84
Financial support from government	2	0.40
Financial support from other sources		
Number of students who received International/ National recognitions		

#### 5.11 Student organised / initiatives

Fairs : State/ University level  National level  International level

Exhibition: State/ University level  National level  International level

5.12 No. of social initiatives undertaken by the students

5.13 Major grievances of students (if any) redressed: Nil

### Criterion – VI

#### **6. Governance, Leadership and Management**

6.1 State the Vision and Mission of the institution

**Vision** – To be a renowned name in the field of Education and Academic Excellence while maintaining International Standards, Integrity and Ethics.

**Mission** – To provide innovative & quality education with high standards to achieve academic excellence.

To Respect and Comply with University and AICTE Norms, International Quality Standards and Legal requirements.

To continually improve our competitive edge through innovations, motivation, suggestion schemes and Student Feedbacks.

## 6.2 Does the Institution has a management Information System

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

## 6.3 Quality improvement strategies adopted by the institution for each of the following:

### 6.3.1 Curriculum Development

- College is affiliated to M. D. University Rohtak and the change in curriculum is being done by the university. Representatives (Two Professor) of the college put their point of view in all meetings held at MD University, Rohtak regarding the development of curriculum.

### 6.3.2 Teaching and Learning

All the class rooms are equipped with LCD Projectors and High Speed Internet connectivity. All classes are divided into two tutorial groups for proper mentoring. Online assignments, PPTs, notes, lab manuals and other information related with subject is available on college website for student reference.

### 6.3.3 Examination and Evaluation

- University exams are conducted by M. D. University Rohtak,
- Three internal sessional are conducted by the college every semester to judge the performance of students at various intervals.
- College is also one of the very few spot evaluation centres of M. D. University where answer sheets of university exams are evaluated.

#### 6.3.4 Research and Development

- College has established an R&D Lab with latest equipments
- College is also publishing its bi-annual research Journal “Dronacharya Research Journal”.
- Students are encouraged for filing Patents & copyrights

#### 6.3.5 Library, ICT and physical infrastructure / instrumentation

- Library is having the digital section.
- Remote centre of IIT Bombay for conducting ICT Workshops
- Nodal Centre of IIT Delhi for Virtual Labs.
- Resource Centre of Spoken Tutorial of IIT Bombay for online certifications
- All labs are having latest machines and software. Class rooms and labs are spacious.

#### 6.3.6 Human Resource Management

College is having its separate human resource department for addressing the grievances of the staff members. This department also takes care of all activities related with human resource management in the college.

#### 6.3.7 Faculty and Staff recruitment

Before the beginning of semester, all HODs are requested to give the requirement for next semester. Advertisements in two leading News Papers are published and eligible candidates are called for interview by the Human Resource Department. Interview is conducted by an expert committee which also includes subject experts. All terms & conditions and service rules are explained to the selected candidates. Appointment letter is offered to all selected candidates.

#### **6.3.8 Industry Interaction / Collaboration**

- Microsoft - Microsoft IT Academy
- IBM - IBM Centre of Excellence
- Prometric – Prometric Testing Centre
- IUCEE- Mini Course for Research Methodology

- ORACLE - For Oracle IT Academy
- CISCO - For CISCO Networking Academy
- Huawei - Industrial Visit of students
- Maruti - Industrial Visit of students
- Network Bulls - Industrial Visit of students
- TCS - MOU for Online Exam
- Symbosis- MOU for Online Exam
- Infosys – For Industrial visit at Infosys under Spark program
- NIIT – For software development training
- Consultancy Development Centre (CDC). It is an Autonomous Institution of the Department of Scientific and Industrial Research (DSIR), Ministry of Science and Technology, Government of India. - For the Programme “Building Capacities for Consultancy Development & Knowledge Management with Partner Institution (KMPI).
- Cocube .- For pre-employment assessment skills & Aptitude Test
- Aspiring Minds (AMCAT)- For Pre-Employment Skill Assessment Program
- Nicco Venture Ltd.- For pre-employment assessment skills & Aptitude Test
- Xentaqsys Technologies PVT LTD - For DCORE software package for managing information across various departments and administration and for maintain website.
- Huawei - Industrial Visit of students
- Confederation of Indian Industry (CII)- For interaction with industry experts
- National Entrepreneurship Network (NEN)
- All India Management Association (AIMA)
- American Centre Library, New Delhi
- British Council Library, New Delhi
- National Science Library, NISCAIR, New Delhi
- Developing Library Network (DELNET), New Delhi

### 6.3.9 Admission of Students

Admission process for all the engineering colleges in Haryana is through on-line process by Haryana State Counselling Society, Govt. of Haryana on the basis of ranking in AIEEE results.

6.4 Welfare schemes for

Teaching	2
Non teaching	2
Students	5

6.5 Total corpus fund generated

6.6 Whether annual financial audit has been done

Yes  No

6.7 Whether Academic and Administrative Audit (AAA) have been done?

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

6.8 Does the University/ Autonomous College declare results within 30 days? N.A.

For UG Programmes Yes  No

For PG Programmes Yes  No

6.9 What efforts are made by the University/ Autonomous College for Examination Reforms?

N.A.

6.10 What efforts are made by the University to promote autonomy in the affiliated/constituent colleges?

N.A.

#### 6.11 Activities and support from the Alumni Association

- *Dronacharya College of Engineering, Gurgaon* stay in touch with the Alumni., the Alumni Meet held every year in the month of December at Hotel Taj, New Delhi.
- Alumni made students aware about the differences between present education system and actual demands of Industries. They also disseminated significant tips on **Aptitude Test, Technical Test, HR Interview** etc in Alumni Connect Programme.
- Alumni are coming regular to the campus and give many valuable suggestions on the future direction for projects, research and teaching approaches are also shared.

#### 6.12 Activities and support from the Parent – Teacher Association

- Two parent-teacher meetings are held in every semester in college. Parents are given brief about the progress of their ward and also discussed the scope of the improvement.
- Suggestions and feedback from parents are also taken into consideration.

#### 6.13 Development programmes for support staff

- Motivational lectures are conducted for non-teaching staff.
- Awards & certificates are also being issued for best performers.
- Skilled Development Programs are conducted for enhancement of their skills.

#### 6.14 Initiatives taken by the institution to make the campus eco-friendly

The college is ISO 14000 certified. College is using Water Harvesting in campus. Solar Heating System is used in hostel for heating water in winters. Class rooms are made in such a way that adequate sun light and fresh air comes in all class rooms. Use of plastic items is prohibited in college canteen. Tree plantation activity is organized by Paryavaran Club of the college.

## Criterion – VII

### 7. Innovations and Best Practices

7.1 Innovations introduced during this academic year which have created a positive impact on the

Functioning of the institution. Give details.

#### Innovations:

- a) Teaching curriculum is as per the Maharshi Dayanand University, Rohtak syllabus. However, all departments conduct a few more practicals than prescribed in the syllabus of MDU to enlarge practical knowledge of students. These extra practicals are inspired from the current industry demand.
- b) Spoken tutorial certification from IIT Bombay is introduced for all the students.
- c) Faculty members are using NPTEL Videos in their classes for better understanding of the concepts.
- d) Facility of virtual labs is introduced for the students and they can now perform any experiment from anywhere at any time.
- e) Assignments are given on-line and all notes, lab manuals; FAQs etc. are available on college website for the reference of the students.
- f) Various activities under different clubs are introduced to channelize the talents of students like Natraj Club, Paryavaran Club, Entrepreneurship Development cell, Photography Club, Robotics, Adventure Club, and Innovation Club etc.

7.2 Provide the Action Taken Report (ATR) based on the plan of action decided upon at the beginning of the year

- FDP's are organized in collaboration with industries like IIT Bombay, IIT Kharagpur, IIT Madras, Network bulls etc.
- Proper mentoring system is designed.
- Aptitude classes are organized for final year students for better placements.
- Extra classes for academically weak students are planned in off hours.
- Students are encouraged for attending conferences & seminar

7.3 Give two Best Practices of the institution (*please see the format in the NAAC Self-study Manuals*)

- Online assignments
- Parents Teacher Meeting

7.4 Contribution to environmental awareness / protection

- Encourage the students to submit the assignments online.
- The college is working towards implementing a completely paperless policy.
- Planted more than 100 trees in the campus.
- To create awareness of biodiversity conservation and environmental issues , college started the Paryavaran club.

7.5 Whether environmental audit was conducted? Yes  No

7.6 Any other relevant information the institution wishes to add. (for example SWOT Analysis)

**SWOT Analysis:**

**Strengths:**

- College is accredited by NBA , NAAC , Permanent Affiliation with Maharishi Dayanand University and certified by ISO.
- Dronacharya students hold top ranks in University exams (In the last 5 years students have grabbed maximum University ranks in M. D. University).
- Dronacharya's Research Journal and R&D activities (Research activities are promoted by publishing biannual Dronacharya's Research Journal.
- Development of students through various programs like online certifications of International level.
- Spoken Tutorial Certification from IIT Bombay,
- Project Competition is organized every year.
- Retention of faculty.



**SWOT Analysis:**

**Weaknesses**

- Limited linkages with Industry
- Limited numbers of courses offered.
- Less paper presented by Faculty & students in National & International Conferences

**SWOT Analysis:**

**Opportunities**

- Entrepreneur Development Cell. The growing interface between entrepreneurship and education is bridging the chasms which make entrepreneurship a distant career option. Entrepreneur Development Cell of the college provides awareness to students about entrepreneurship and its scope for young technocrats.
- Consultancy development Centre. CDC is an Autonomous Institution of the Department of Scientific and Industrial Research (DSIR), Ministry of Science and Technology, Government of India set up for promotion, development and strengthening of consultancy skills and capabilities in the country including enhancement of export of consultancy and professional services. College in collaboration with CDC deliver certificate course of CDC in Technical Consulting & Management.
- Industrial Visit- Students are provided industrial exposure to give practical knowledge.
- Student Club- Various activities under different clubs are introduced to channelize the talents of students like Natraj Club, Paryavaran Club, Photography Club, Robotics and Adventure Club

**SWOT Analysis:**

**Threats**

- To equip the students to meet the standards expected by the engineering professionals.
- Motivating students to seek long-term benefits by going for core job placements rather than short term monetary benefits in software-related jobs.

8. Plans of institution for next year

**Academic:-**

- a) Train the trainer concept will be continued.
- b) More industrial visits for students in good companies will be organized.
- c) Encourage faculty to enrol for Ph.D.
- d) Encourage faculty to present paper in International Conference.
- e) More MOUs with leading Industries.

**Development/Improvement in Students Performance:-**

- a) Extra classes & counselling for weak students to improve the results.
- b) International Level on-line certification courses for all students.
- c) More use of ICT in Teaching Learning (NPTEL, Virtual Labs etc.)
- d) Close mentoring of final year students for better placements.
- e) Promote close alumni interaction with current students.
- f) Personality Development Programmes.
- g) Active student participation in EDC
- h) Increase participation of student creative activities/ clubs.

**Facilities:-**

- (a) Purchase of some latest equipment to replace some obsolete equipments.
- (b) Purchase of some more Audio Visual software and aids for Departments.
- (c) More Class Rooms/ Tutorial Rooms shall be constructed.
- (d) More space & seating capacity for library shall be provided.
- (e) Lab set up for Electrical and Electronics Engineering.

**Sports Facilities:** - Improvement in Sports (indoor & outdoor) facilities.

Name Dr. SRI KRISHAN YADAV

*Sri Krishan Yadav*

Signature of the Coordinator, IQAC

Name Prof (Dr.) B.M.K. Prasad

*B.M.K. Prasad*  
**Principal**

Signature of the Chairperson, IQAC

**Dronacharya College of Engg.**  
**Farrukh Nagar-123506**

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## Annexure A

### Abbreviations:

CAS	-	Career Advanced 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
UPE	-	University with Potential Excellence
UPSC	-	Union Public Service Commission

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