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/AQAR2014

1.5 Accreditation Details

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

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

1.7 AQAR for the year (for example 2010-11) | 2013-14

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

   i. AQAR 2012-13 _____ (18/11/2013)

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.

     Autonomy by State/Central Govt. / University   No

University with Potential for Excellence		UGC-CPE	
DST Star Scheme		UGC-CE	
UGC-Special Assistance Programme		DST-FIST	
UGC-Innovative PG programmes		Any other (Specify)	
UGC-COP Programmes			

2. IQAC Composition and Activities

2.1 No. of Teachers	6
2.2 No. of Administrative/Technical staff	4
2.3 No. of students	2
2.4 No. of Management representatives	1
2.5 No. of Alumni	2
2. 6 No. of any other stakeholder and community representatives	2
2.7 No. of Employers/ Industrialists	2
2.8 No. of other External Experts	2
2.9 Total No. of members	21
2.10 No. of IQAC meetings held	3

2.11 No. of meetings with various stakeholders: No. 6   Faculty 1

Non-Teaching Staff	Students	Alumni·	Others
1	1	2	1

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. | 56 | International | - | National | 17 | State | 1 | Institution Level | 38

(ii) Themes

Analog Electronics, Signals and Systems, Fluid Mechanics, Computer Networking, Computer Programming, Engineering Mechanics, Green Building, Induction Training Programme, C++, Information Resource Centre, Entrepreneurship, Virtual Instrumentation, Virtual Lab, Industrial Program, Embedded System & Advanced Robotics, National Skills Qualification Framework, Free and Open Source Software (FOSS), CSI State Students Convention , Adventure Camp, Blood Donation Camp, Microsoft Ideation Festival, Accelerobotix, Ideating-->Inventing-->Patenting, VLSI Designing Using Verilog Coding, Cloud Computing, Mega Water Rocketry, Drontech-14, Conflict Management, Pressure Vessels and related Quality Control aspects, Microwave links and its Practical Applications, Sustainable Energy, MATLAB, Google App Engine using Python , R & D and Innovation, Projects and practical trainings, Cyber Forensics, Mirchi Fresher's, SQL Server, Clicker Usability in Classroom, Embedded Systems, .NET Sessions , Photo-Fuzz'2013 , Mat DIP& Digital Image Processing, Software Foundation Course, Certificate Program in Technical Consultancy, Enhance creativity, team-building, technical and communication skills, Web Blogging, Latest Technologies in IT Sectors , Ethical Hacking, Wireless Communication, i-engineer, National Youth Idea Challenge, Strategies for Competitive Examinations, PCB Technology, Industrial Automation, Videography and Mobile App , Technofoltz-2013, Automotive Engineering, Entrepreneurship Orientation Program, Work-light Studio and OOPS using JAVA, Google Cloud Developer, Innovation Projects, Traffic Data Collection Technologies and Challenges, Automation and Manual Software Testing, Enhancement in Communication Skills & Professional Etiquettes, Job Prospectus and career planning in the Industry, Personality Development, SQL Server Reporting Services, Mobile Network- Planning, Operation and Maintenance, Scrapheap Challenge, Optical Fiber Network, Artificial Intelligence, COMSOL, 3-D Student Design Challenge, Cadbury Event, Techunt-2013, VLSI Design and Embedded Systems, Isensobotz on Arduino

2.14 Significant Activities and contributions made by IQAC

- A two- week ISTE workshop on Analog Electronics was organized in association with IIT Kharagpur under National Mission on Education through ICT (NMEICT) sponsored by the Ministry of Human Resource Development, Govt. of India.

- A two- week ISTE workshop on "Signals and Systems" was organized in association with IIT Kharagpur under National Mission on Education through ICT (NMEICT) sponsored by the Ministry of Human Resource Development, Govt. of India.

- A two- week ISTE workshop on "Fluid Mechanics" was organized in association with IIT Kharagpur under National Mission on Education through ICT (NMEICT) sponsored by the Ministry of Human Resource Development, Govt. of India.

- A two- week ISTE workshop on "Computer Networking" was organized in association with IIT Bombay under National Mission on Education through ICT (NMEICT) sponsored by the Ministry of Human Resource Development, Govt. of India.

- A two- week ISTE workshop on "Computer Programming" was organized in association with IIT Bombay under National Mission on Education through ICT (NMEICT) sponsored by the Ministry of Human Resource Development, Govt. of India.

- A two- week ISTE workshop on "Engineering Mechanics" was organized in association with IIT Bombay under National Mission on Education through ICT (NMEICT) sponsored by the Ministry of Human Resource Development, Govt. of India.

- ISTE workshop on "Green Building" was organized in association with IIT Bombay under National Mission on Education through ICT (NMEICT) sponsored by the Ministry of Human Resource Development, Govt. of India.

- Two 5 days ICT workshop on "Induction Training Programme" was organized in association with NITTTR Chandigarh.

- Five day ICT workshop on "Virtual Instrumentation" was organized in association with NITTTR Chandigarh.

- Five day ICT workshop on "Computer Networking" was organized in association with NITTTR Chandigarh.

- Two workshops on Virtual Lab were organized in collaboration with IIT Delhi. Virtual Labs is an initiative of Ministry of Human Resource Development (MHRD), Govt of India under the National mission on Education through ICT.

- Five day Faculty Development Program (FDP) on 'Embedded System & Advanced Robotics' was organized in association with ARK Techno Solutions & IIT Bombay.

- Fifth ICT workshop National Skills Qualification Framework (Nqsf) and other Skill Development Schemes was organized in association with NITTTR Chandigarh.

- Spoken Tutorial Resource Centre of college in association with IIT-Bombay organized one day Faculty Training Programme on Free and Open Source Software (FOSS).

- Spoken Tutorial Resource Centre of college in association with IIT-Bombay organised a Faculty Development Programme on "C++

- D'CEED (Dronacharya's Center for Entrepreneurial Exploration and Development) structured one day "Entrepreneurship Development Program (EDP)" in association with the National Institute for Entrepreneurship and Small Business Development (NIESBUD), which is an autonomous Institute under Ministry of Micro, Small and Medium Enterprises (MSME), Government of India.

- Society of Automotive Engineering (SAE) Club was inaugurated in the august presence of Mr. Anup Kacker, Executive Director SAE North India Sector, as the Guest of Honour.

- Inaugurated Indian Engineers Association Club (IEA).

- Visit of German Delegation.

- Industrial visit to Yakult Milk Plant, Sonepat , M/s Maruti Suzuki India Ltd., Huawei Telecommunications India Pvt. Ltd., Centre of e-Governance, Hero MotoCorp Ltd., Networks Bulls, Gurgaon, Visoulia Electronics Pvt. Ltd, Air Force Station, Tughlakabad, Rajiv Gandhi Renewable Energy Park (RGREP), TERI- The Energy and Resources Institute Gurgaon, Yakult Danone (P) Limited, M/s Parle Biscuits Pvt. Ltd.

- One-day Orientation Program was organized in association with Plant Edu, Gurgaon, a renowned and authentic Centre of Cambridge English Exams, U.K.
- One day seminar on "Cloud Computing" was organized in association with CSI.

- One-day technical seminar on "Sustainable Energy" was organized in association with Consultancy Development Centre (CDC), an autonomous institution of Department of Scientific & Industrial Research, Govt. of India.

- Training program by BOSCH Limited.

- Workshop on "Certificate Program in Technical Consultancy" was organized in association with Consultancy Development Centre (CDC).

- ISTE Student Chapter organized one-day workshop on "Ethical Hacking" in association with i3indiya Technologies

- The Entrepreneurship Development Cell (EDC) celebrated "Entrepreneurship Orientation Program" in association with National Entrepreneurship Network (NEN).

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 *

Plan of action	Achievements
1. **Academic:-** a) Encourage faculty members to go for higher studies & skill improvement. b) More industrial visits for students will be organized. c) Encourage faculty members to attend seminars/ workshops/entrepreneurship program. d) Train the trainer concept will be continued. e) Preparatory sessions to be conducted to support final year students for placement.	(a) Many faculty members are pursuing PhD. (b) Industrial visits organized in core companies. (c) Faculty members attended conferences and seminars. (d) Many FDPs have been organized during this year. (e) Increase in number of placements.
2. **Development/Improvement in Students Performance:-** a) Personality Development Programmes. b) Active student participation in EDC c) Extra efforts to improve results. d) Close mentoring of final year students. e) Encourage students to participate in competitions. e) Increase participation of student creative activities/ clubs.	a) Expert talks/ Guest lectures are organized b) E-week Celebration c) University results improved d) Career Guidance workshops are organized e) Student's projects selected at various National & I 'd;f][w][=nternational level competition. f) Students actively participated in various competitions organized by student clubs.
3. **Facilities:-** (a) To upgrade existing lab. (b) New lab to be set up. (c) More Classrooms/ Tutorial/ Seminar halls to be added	a) Purchased some latest computers to upgrade existing lab. b) New lab have been set up for Civil & EEE branch c) New Classrooms/ Tutorial/ Seminar halls have been added.

4.	**Sports Facilities :-**	a) More sports equipment's have been purchased.
	a) Improvement in Sports facilities.	
	b) Sport Meet to be organized.	b) College organized sports meet twice in this year.

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	02	02	04	
UG	07	01	08	
PG Diploma				
Advanced Diploma				
Diploma				
Certificate				4
Others (MTA, MOS,)				2
Total	09	03	12	6

Interdisciplinary				
Innovative				

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

Pattern	Number of programmes
Semester	08 UG, 04 PG
Trimester	
Annual	

1.3 Feedback from stakeholders*   Alumni [√] Parent [√]   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. No 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 Computer Science and Information Technology has been started. At under graduate level, a new branch Computer Science and Information Technology has been started.

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
197	131	44	21	1

2.2 No. of permanent faculty with Ph.D. | 44 |

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
55	13	14	2	5	2	1	0	74	17

2.4 No. of Guest and Visiting faculty and Temporary faculty | Nil | | 01 | | Nil |

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended Seminars/	08	21	01
Presented papers	15	18	NIL
Resource Persons	02	NIL	NIL

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

International Level Certification courses, Virtual Labs, Spoken Tutorial (Workshops and Certification) for first year students, Online Assignments, videos in teaching.

2.7 Total No. of actual teaching days during this academic year | 203 |

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 | 85% |

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.	427	20.34 %	48.24 %	6.32 %	NIL	74.94 %

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

Faculty / Staff Development Programmes	Number of faculty benefitted
Refresher courses	508
UGC – Faculty Improvement Programme	9
HRD Programmes	267
Orientation Programmes	9
Faculty Exchange Programme	Nil
Staff training conducted by the university	4
Staff training conducted by other institutions	155
Summer / Winter schools, Workshops, etc.	81

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	92	4	5	Nil
Technical Staff	38	3	3	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.

- Students are encouraged to write research papers for various International Journals.

- Students are encouraged to work on live projects.

- Students are encouraged to present the research paper.

- 40 students visited the International trade fair "Electronica and Productronica India 2013" at Pragati Maidan, New Delhi where electronic components, systems and applications were exhibited.

- 7 students attended a five day conference on "Research Issues and Simulation Tools in Wireless Technologies" organized by Birla Institute of Technology, Noida

- 2 faculty members attended a two-day AICTE Sponsored National Seminar on "Application of Graph Theory - a novel technique for research".

- 1 faculty member attended a two- day IBM Research workshop on "Digital Learning" at ISID Auditorium, New Delhi.

- 2 faculty members attended two months summer Faculty Research Fellow Programme - 2014 at IIT Delhi.

- 2 faculty members attended the INUP Familiarization organized by IIT Bombay.

- 1 faculty member attended the International Indo-French CIMPA Research School (CRS) on Generalized Nash Equilibrium Problems, Bilevel Programming and MPEC organized by the Department of Mathematics, Delhi University, in collaboration with international body CIMPA.

- 1 faculty member attended a six-week summer Faculty Research Fellowship Program (SFRFP) at Mathematics Department of IIT Delhi. The objective of SFRFP was to help in inducting and inculcating research culture among the faculty of engineering and science institutes outside IITs.

- 3 students participated in a three day Tech–Fest "Technorazz-2013" at Jaipur National University, Jaipur.

- A team of four students participated in ROBO-ZEST'13: Robotics Championship held at IIT, Guwahati.

- 3students were selected for the Grand Finale round of Tech-Hunt 2013 jointly hosted by Nurture Talent Academy and Computer Society of India at IIT Bombay.

- Eighty teams participated in online nation-wide movement – MANTHAN initiated by CAG (Citizens for Accountable Governance) out of which thirty were selected among top 1400 teams in India. Team Ssquare RVsquare was selected among top 15 teams all over India and won a cash prize of Rs. 5000.

- 1 faculty member attended a three-day national workshop on "Security issues in Research Area of Communication Network (SIRACN-2013)" sponsored by University Gants Communication, New Delhi.

- 2 students participated in TECH-FEST, Asia's largest Science & Technology festival under the patronage of UNESCO organized by IIT Bombay.

- 1 student participated in an on-line contest "Intel App Innovation-2013".

- 1 student attended four-day Google India Community Summit-2013 organized by Google and got the first prize for designing the best and effective event in "Campus Simulation", a competition held on the fourth day of Google India Community Summit-2013.

- 2 teams participated in IEEE X treme, a global challenge.

- 1 student participated in the event BIGROCK HTTPX held at Hotel Lalit, New Delhi.

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number		1		
Outlay in Rs. Lakhs		5,44,048/-		

3.3   Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	2		7	
Outlay in Rs. Lakhs	30000/-		676014/-	

3.4   Details on research publications

	International	National	Others
Peer Review Journals	80	23	
Non-Peer Review Journals	22	09	
e-Journals	81	37	
Conference proceedings	20	06	

3.5 Details on Impact factor of publications:

Range [1 - 2]   Average [   ]   h-index [26]   Nos. in SCOPUS [08]

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	25 Lacs
Minor Projects	2013-14	MHRD	676014/-	676014/-
Interdisciplinary Projects				
Industry sponsored	2013-14	CSI	20000/-	20000/-
Projects sponsored by the University/ College				
Students research projects (other than compulsory by the University)				
Any other(Specify)				
Total				

3.7 No. of books published   i) With ISBN No.   `03`   Chapters in Edited Books `17`

ii) Without ISBN No.   `02`

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) `DST, MHRD`

3.10 Revenue generated through consultancy   `Nil`

3.11   No. of conferences organized by the Institution

Level	International	National	State	University	College
Number		6	1		4
Sponsoring agencies		ISTE, IIT Bombay	CSI,		College

3.12 No. of faculty served as experts, chairpersons or resource persons   `3`

3.13 No. of collaborations   International `11`   National `24`   Any other `____`

3.14 No. of linkages created during this year `141`

3.15 Total budget for research for current year in lakhs:

From Funding agency `____`   From Management of University/College `10`

Total `10`

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	4
	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				6

3.18 No. of faculty from the Institution
who are Ph. D. Guides
and students registered under them

03

05

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

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 | 30 | State level | 11 |

National level | · | International level | 4 |

3.22 No. of students participated in NCC events:

University level | 11 | State level | |

National level | | International level | |

3.23 No. of Awards won in NSS:

University level [2]   State level [ ]

National level [ ]   International level [ ]

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

University level [ ]   State level [ ]

National level [ ]   International level [ ]

3.25 No. of Extension activities organized

University forum [1]   College forum [04]

NCC [0]   NSS [2]   Any other [5]

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

- A two- week ISTE workshop on Analog Electronics was organized in association with IIT Kharagpur under National Mission on Education through ICT (NMEICT) sponsored by the Ministry of Human Resource Development, Govt. of India.

- A two- week ISTE workshop on "Signals and Systems" was organized in association with IIT Kharagpur under National Mission on Education through ICT (NMEICT) sponsored by the Ministry of Human Resource Development, Govt. of India.

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- Fifth ICT workshop National Skills Qualification Framework (Nqsf) and other Skill Development Schemes was organized in association with NITTTR Chandigarh.

- Spoken Tutorial Resource Centre of college in association with IIT-Bombay organized one day Faculty Training Programme on Free and Open Source Software (FOSS).

- Spoken Tutorial Resource Centre of college in association with IIT-Bombay organised a Faculty Development Programme on "C++

- Six-week industrial program was organized in association with Huawei.

- Established Information Resource Centre with a purpose to provide Information Communication Technologies for students and faculty members through rich resources of e-books, e-journals, e-magazines, e-papers, e-granthalaya, educational CD-ROMs etc. IRC have a membership of INDEST-AICTE Consortium,InfoTrac Engineering Collection, GlobalPeriodicals.com, DELNET, British Council Library, American Centre Library, National Science Library, N-List etc.

- D'CEED (Dronacharya's Center for Entrepreneurial Exploration and Development) structured one day "Entrepreneurship Development Program (EDP)" in association with the National Institute for Entrepreneurship and Small Business Development (NIESBUD), which is an autonomous Institute under Ministry of Micro, Small and Medium Enterprises (MSME), Government of India.

- Society of Automotive Engineering (SAE) Club was inaugurated in the august presence of Mr. Anup Kacker, Executive Director SAE North India Sector, as the Guest of Honour.

- Inaugurated Indian Engineers Association Club (IEA).

- Two-Days CSI State Students Convention (Haryana) was organized at college campus.

- Visit of German Delegation.

- Industrial visit to Yakult Milk Plant, Sonepat, M/s Maruti Suzuki India Ltd., Huawei Telecommunications India Pvt. Ltd., Centre of e-Governance, Hero MotoCorp Ltd., Networks Bulls, Gurgaon, Visoulia Electronics Pvt. Ltd, Air Force Station, Tughlakabad, Rajiv Gandhi Renewable Energy Park (RGREP), TERI- The Energy and Resources Institute Gurgaon, Yakult Danone (P) Limited, M/s Parle Biscuits Pvt. Ltd.

- Ten days adventure camp sponsored by Ministry of Youth Affairs Sports.

- Blood Donation Camp was organized in association with Rotary Club.

- Organized 12th Convocation Ceremony for the students of B.Tech (2009-2013 Batch)

- Microsoft Ideation Festival – 2014 was organized by Microsoft Innovation Centre in the campus which would help in accelerating skills and provide support in developing new ideas.

- Robotics Club organized a two- day International Robotics Competition & Workshop on Accelerobotix in association with Technophilia systems & IIT Bombay

- One-day Orientation Program was organized in association with Plant Edu, Gurgaon, a renowned and authentic Centre of Cambridge English Exams, U.K.

- One-day workshop on "Ideating-->Inventing-->Patenting" was organized in association with Inventi Journal Pvt. Ltd., Bhopal a leading research publishing company.

- A two day workshop on "VISI Designing Using Verilog Coding" was organized in association with JBTech INDIA.

- One day seminar on "Cloud Computing" was organized in association with CSI.

- Organized two-day workshop on Mega Water Rocketry.

- Organized two-day technical festival Drontech-14. The objective of the technical event was to provide an interdisciplinary forum of confluence for a variety of technical potentials.

- Organized a guest lecture on "Conflict Management" by Mr. Ashok Vinayak, Additional General Manager (Retd), Ordinance Factories Board.

- Organized a guest lecture on "Pressure Vessels and related Quality Control aspects" under the aegis of IUCEE Speed Chapter by Prof. Dev Dutt Sharma, an Industry expert.

- Organized a guest lecture on "How to Conduct R & D and Innovation" by Mr. V.K. Arya, Deputy Director General (Rtd.), DoT, Govt. of India, New Delhi.

- Organized a guest lecture on "Microwave links and its Practical Applications" by Mr. Ajay Goyal, GM Precision Electronics, Noida.
- Organized a guest lecture on "Mobile Network- Planning, Operation and Maintenance" by Dr. H.S. Sharma, Former President of IETE, New Delhi.

- Organized a guest lecture on "Strategies for Competitive Examinations" by Mr. Kunal Srivastava , topper of Indian Engineering Services (IES-2012). & secured 44th Rank in All India GATE exam 2013

- Organized a guest lecture on "Wireless Communication" delivered by Mr. Sunil Chavan, an expert from Delta System, Gurgaon.

- Organized a guest lecture on Web Blogging by Mr. Mayank Gupta and Mr. Himanshu Gupta, Founders of www.TechHim.Com and www.ThinkalytiC.com, blogs respectively.

- Organized a guest lecture on "VLSI Design and Embedded Systems" in association with Pro-Innovation Labs, Faridabad.

- Organized a guest lecture on "Artificial Intelligence" by Mr. Manoj, Assistant Manager, Sofcon India Pvt. Ltd

- Organized a guest lecture on Personality Development by Mr. Mukul Pareek, Marketing Program Manager from Agilent Technologies.

- Organized a guest lecture on "Traffic Data Collection Technologies and Challenges" by Dr. Kalaga Ramachandra Rao, Professor-in-charge Transportation Engineering, Civil Engineering Department of IIT Delhi.

- One-day technical seminar on "Sustainable Energy" was organized in association with Consultancy Development Centre (CDC), an autonomous institution of Department of Scientific & Industrial Research, Govt. of India.

- Organized one day workshop cum hackathon on MATLAB.

- Indian Engineers Association Club organized workshop cum seminar on Cloud Computing.

- Google Developer Group (GDG-DCE) organized workshop on Google App Engine using Python

- Training program by BOSCH Limited.

- A free Body Analysis Camp for faculty members was organized in association with Herbalife.

- One-day seminar was organized in association with Electronics for You (EFY) with an objective to highlight projects and practical trainings offered to the students.

- Seminar on "Cyber Forensics" was organized in association with Lucideus Tech. Private Limited, New Delhi.

- One-day event Mirchi Fresher's was organized in association with Radio Mirchion.

- Organized one-day workshop on "SQL Server" under the Alumni Interaction Program.

- One-day Aakash Workshop on Clicker Usability in Classroom was organized in association with Indian Institute of Technology (IIT), Bombay

- Summer Practical Training Program on "Embedded Systems" was organized in association with Computer Maintenance Corporation (CMC) Academy, New Delhi- a TATA enterprise.

- Organized a three day .NET sessions with an objective to make the students aware of .Net technologies and other technical languages.

- Photography Club of college organized a photographic competition Photo-Fuzz'2013.

- Google Student Club organized Photography event in association with Incredible India, Ministry of Tourism, Govt of India, New Delhi

- Two-day workshop on "Mat DIP& Digital Image Processing" was organized in association with KC Robotics & Embedded Pvt. Ltd., Noida.

- A four –day workshop was organized on "Software Foundation Course" in association with software giant IBM.

- Workshop on "Certificate Program in Technical Consultancy" was organized in association with Consultancy Development Centre (CDC).

- With an objective to enhance creativity, team-building, technical and communication skills in students, college has tied up with Network Bull and Association for Computer Machinery (ACM) IIT-Delhi. In view of the same jointly organized an initiative NNSC-2014-India's 1st Network Security Championship.

- Seminar on upcoming Technologies in IT Sectors was organized in association with NIIT, Gurgaon.

- Two- day's workshop on "Ethical Hacking" was organized in association with Indian Server.

- Workshop on i-engineer was organized in association with S. Chand Edutech.

- A one day workshop was organized on "National Youth Idea Challenge".

- ISTE Student Chapter organized two-day's workshop on "PCB Technology" in association with Jiyanjani Technologies Pvt. Ltd. (JTPL), Faridabad.

- ISTE Student Chapter organized one-day workshop on "Ethical Hacking" in association with i3indiya Technologies.

- One-day workshop on Industrial Automation was organized in association with ICONA Pvt. Ltd. Noida.

- One-day event Videography and Mobile App Talent Hunt was organized sponsored by NIIT, Novafirst.com, collegekhabar.com, firstpa.com and jaagran.

- Technical Shotgun "Technofoltz-2013" a Quiz competition was organized in association with Computer Society of India (CSI).

- Two-day "Workshop on Automotive Engineering" was organized in association with Para Mek Technologies, New Delhi

- The Entrepreneurship Development Cell (EDC) celebrated "Entrepreneurship Orientation Program" in association with National Entrepreneurship Network (NEN).

- Summer Training Program on "Work-light Studio and OOPS using JAVA" was organized in association with IBM.

- A trip to Kullu-Manali & Rohtang Pass was organized.

- Organized a session by Autorotics Technologies, Gurgaon.

- Google Student Ambassador and Google Campus Partner conducted an information session on Google Cloud Developer Challenge 2013.

- IEEE student branch organized an event "TechnoBuzz – 13".

- Entrepreneurship Development Cell (EDC) organized a workshop on "Innovation Projects".

- Organized a seminar on "Automation and Manual Software Testing".

- Organized a two-day workshop on "Enhancement in Communication Skills & Professional Etiquettes".

- Organized a seminar on "Job Prospectus and career planning in the Industry".

- Organized a seminar on "SQL Server Reporting Services".

- Two day workshop on Sixth Sense Botics – "ROBO-ZEST'14" was organised in association with Robo Species Technologies Pvt. Ltd New Delhi, Aakaar 2014 (IIT Bombay) & International Accreditation Organization (IAO).

- Organized competitive workshop on "Scrapheap Challenge".

- Organized a one-day workshop on "Optical Fiber Network".

- Organized a "Paper & Poster Presentation" competition.

- Organized a one- day workshop on "COMSOL MULTIPHYSICS".

- Seminar on "3-D Student Design Challenge" was organized in association with M/s Arvato, a subsidy of M/s Autodesk Ltd., Gurgaon.

- One-day "Cadbury Event" was organized in association with Cadbury India Pvt. Ltd.

- Two-day's workshop "Techunt-2013" was organized in association with Nurture Talent Academy and Computer Society of India (CSI).

- Two- days Robotics workshop: "Isensobotz on Arduino" was organized in association with ARK Techno-solutions & Helios IIT Bombay.

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	52	2	Institution	54
Laboratories	72	-	Institution	72
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)	130.15		Institution	
Others	8.79		Institution	

4.2 Computerization of administration and library

- All offices are having dedicated computer systems with peripherals like printers, scanners etc.
- Membership of British Library Council is added.
- DELNET Services are added.
- College is using DCORE software package for managing information across various departments and administration.
- Established Information Resource Centre with a purpose to provide Information Communication Technologies for students and faculty members through rich resources of e-books, e-journals, e-magazines, e-papers, e-granthalaya, educational CD-ROMs etc. IRC have a membership of INDEST-AICTE Consortium,InfoTrac Engineering Collection, GlobalPeriodicals.com, DELNET, British Council Library, American Centre Library, National Science Library, N-List etc.

4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	25673	5822961	3209	1445333	28882	7268294
Reference Books	10967	1023580	1017	272667	11984	1296247
e-Books	-	-	-	-	-	-
Journals	92	904731	58	224000	150	1128731
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	Others
Existing 2012-13	792	15	10 MBPS		1	1	7	
Added 2013-14	102	2	10 MBPS		NIL	NIL	1	
Total	894	17	20 MBPS		1		8	

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

- A-view Training was conducted by IIT Bombay

- Training programs for faculty members are organized

- NPTEL lectures are available at college library

- College is having 20 MBPS bandwidth for internet usage.

- Faculty members attended two- week ISTE workshop on "Computer Networking" organized by IIT Bombay under the National Mission on Education through ICT (NMEICT) sponsored by the Ministry of Human Resource Development, Govt. of India.

- The Spoken Tutorial Resource Centre of college in association with IIT-Bombay organized a one-day FDP under the National Mission on Education through Information and Communication Technology (NMEICT), Union ministry of Human Resource Development, Govt. Of India aimed to spread IT literacy across the nation.

- Faculty members attended five days ISTE workshop on Cyber Security organized by IIT Bombay under the National Mission on Education through ICT (NMEICT) sponsored by the Ministry of Human Resource Development, Govt. of India.

- Faculty members attended the five days ICT workshop on Computer Networking organized at college campus in association with NITTTR Chandigarh.

- Two faculty members attended two-day International Conference on "Electronics & Communication and Information Technology" organized by Thapar University, Patiala, Punjab.

- One faculty member attended workshop on National Mission on Education through Information and Communication Technology (NMEICT) organized by Ministry of Human Resource Development, Govt of India and All India Council for Technical Education (AICTE).

- One faculty member attended IEEE "4th International Conference on Computer & Communication Technology (ICCCT-2013)" organized by MNIT, Allahabad

- One faculty member attended two-day Faculty Development Program on "Oracle Web Logic Server" in association with the Oracle Fusion Middleware.

- One faculty member attended a two week (twelve days) training on "CCNA 1 & 2 (Routing and Switching)" conducted by Cisco Instructor Training Center (ITC/ASC) at Amrita Vishwa Vidyapeetham.

- Three faculty members attended one - day seminar on "Oracle Technology Network Java Developer" held at Eros Managed by Hilton, Nehru Place, New Delhi, India

- One faculty member attended two- day IBM Research workshop on "Digital Learning" at ISID Auditorium, New Delhi.

- Two faculty members attended a session where leading Cisco and Industry women speakers from around the APAC region inspired the women for participating in networking field.

- Two faculty members have visited Huawei Telecommunications Gurgaon for the deliberation on a six-week practical training program.

- A team of five faculty members visited Advanced Level Telecom Training Centre (ALTTC), Ghaziabad.

- One faculty member attended a lecture on Broadband for Sustainable Development on the eve of World Telecommunication and Information Society Day (WTISD) organized by IET Delhi Local Network at India International Centre Annexe, Lodhi Road, New Delhi.

- One faculty member attended a five-day Short Term Faculty Development Programme (FDP) on "Image Processing, Computer Vision and Pattern Recognition" conducted National Institute of Technology, New Delhi.

- Two faculty members attended a two-day AICTE Sponsored National Seminar on "Application of Graph theory - a novel technique for research" organized by the department of Mechanical Engineering, YMCAUST.

- Two faculty members attended a one-day "Engineering and Science Innovation Summit" organized by National Instruments, New Delhi

- One faculty member along with four students, attended a one- day Microsoft Session entitled as "Microsoft Cloud OS Roadshow" held at Microsoft Cooperation Pvt. Ltd., Gurgaon.

- One faculty member visited the "Electronics for You Expo-2014" at Pragati Maidan, New Delhi.

- One faculty member attended a eleven-day Advance Training Program (ATP) on "Information Security on Virtual Training (VTE)" conducted by C-DAC Hyderabad at ISEA Lab, Dept. of Electronics and Information Technology (DeitY), New Delhi.

- Faculty members attended one-day workshop on "Cisco India Networking Academy Conference & IPv6 Fundamentals - 2013" organized by Cisco Systems Inc, USA at Amity University, Noida.

- One faculty member attended "5th edition of India Telecom – 2013" organized at Vigyan Bhavan with the underlying theme "Internet of People to Internet of Things – Future of Communication".

- Two faculty members attended a workshop on "OTN Oracle Application Development", at Hotel Eros, New Delhi. It was organized by Oracle Corporation, India with the objective to understand Oracle Application Development Framework (ADF) & Fusion Middleware Development (FMD).

- One faculty member attended a program "Building India – Relevance of Ethics in Education" at Federation of Indian Chambers of Commerce and Industry (FICCI), New Delhi, organized by The Times of India in association with Rau's Study Circle.

- One faculty member attended a one-day seminar on "A Vision of 5G Networks – Technologies beyond 2020"at Nex-G Skills, Noida.

- Three faculty members attended the Oracle Seminar cum Workshop held at Nehru Place, Delhi.

- One faculty member attended a three day International Conference "Scipy 2013" organized by FOSSEE (Free and Open Source Software For Education) Project of IIT Bombay sponsored by Ministry of HRD, Govt. of India, JPMorgan and Enthought Inc.

- One faculty member attended a three-day national workshop on "Security issues in Research Area of Communication Network (SIRACN-2013)" sponsored by University Gants Communication, New Delhi. The objective of the workshop was to enhance the knowledge about security issues in the field of communication network.

- One faculty member attended the national seminar on "Building Capacities of MSMEs (Micro Small Medium Enterprises) through Innovation" was organized by PHD Chamber of Commerce and Industries at PHD House, New Delhi under the programme "Innovation Sumit 2013"

- One student selected as the reviewer in the "International Conference on Digital Information, Networking, and Wireless Communications (DINWC2014)" held at VSB-Technical University of Ostrava, Czech Republic in collaboration with The Society of Digital Information and Wireless Communications (SDIWC).

- Faculty member and students attended the seminar on "Cyber Forensics" organized at campus in association with Lucideus Tech. Private Limited, New Delhi.

4.6 Amount spent on maintenance in lakhs :

i) ICT

13.19

ii) Campus Infrastructure and facilities

27.63

iii) Equipments

06.01

iv) Others

32.57

Total :

79.4

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.
- SMS to all students regarding various student support services.

5.2 Efforts made by the institution for tracking the progression

- Continuous monitoring of every student at the department level.
- Regular interaction with parents.
- Detailed analysis of the sessional examination is being done at department level and corrective actions are initiated whenever required.

5.3 (a) Total Number of students

U. G.	P. G.	Ph. D.	Others
2463	23	NIL	Nil

(b) No. of students outside the state

1363

(c) No. of international students

NIL

No	%
1984	79.81

Men

No	%
502	20.19

Women

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
1543	97	0	573	0	2213	1793	98	0	595	0	2486

Demand ratio   Dropout % 1.92

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

- Online Practice tests are conducted for final year students on regular basis.

- Organized GATE preparation classes for pre-final and final year students.

- Organized a guest lecture on "Strategies for Competitive Examinations". by Mr. Kunal Srivastava (topper of Indian Engineering Services (IES-2012). & secured 44th Rank in All India GATE exam 2013).

- Conducted 3rd National Creativity Aptitude Test (NCAT) organized by IIT Delhi in association with International Forum for Excellence in Higher Education (IFEHE) annually.

- The Intel Easy Step Test was organized in association with Econs Profit Solutions Pvt. Ltd., New Delhi.

- Online iTEP (International Test of English Proficiency) Test was organized in collaboration with iTEP. iTEP is an English assessment body for EdCIL India Limited, a public sector enterprise under the Ministry of HRD, Government of India.

- To stimulate the creativity and mathematical talent of engineering students Zonal Level Examination of Srinivasa Ramanujan Mathematical Competitions-2013 (SRMC-2013) was conducted at the campus in association with the ISTE Student Chapter.

- National Level Examination of Srinivasa Ramanujan Mathematical Competitions-2013 (SRMC-2013) was organized in association with Indian Society for Technical Education (ISTE) for North Zone winners.

- Two-day on- line exam for Microsoft Office Specialist (MOS) Expert Certification was organized with an objective to test advance skills of the students in Microsoft Technologies and Products.

No. of students beneficiaries   469

5.5 No. of students qualified in these examinations

NET		SET/SLET		GATE	6	CAT	
IAS/IPS etc		State PSC		UPSC		Others	22

5.6 Details of student counselling and career guidance

- Organized a guest lecture on Personality Development. The speaker Mr. Mukul Pareek, Marketing Program Manager Agilent Technologies discussed some important questions which are likely to be asked in the interview sessions.

- Organized a seminar on "Job Prospectus and career planning in the Industry".

- A Personality Development Program was organized in association with ISTE Student Chapter and TRIDINDIA, New Delhi.

- Extension-lecture on "Skills on cracking the interviews" was organized in association with Centre for Education Growth and Research (CEGR), New Delhi.

- Conducted AMCAT Assessment for final Year Students.

- Conducted eLitmus Placement Assessment for final Year Students.

- Conducted Cocube Diagnostic Assessment for final Year Students.

- Ms. Neha Setia, an alumnus presently working as GET, IOMC Division of HCL Technologies, NOIDA shared her experience with the students regarding placement preparation as well as current trends in corporate sectors.

- Mr. Anupam Atri, an alumnus presently the Founder cum Director of Avokado Technology, New Delhi shared valuable inputs among the budding technocrats under the Alumni Interaction Program.

- The Alumni Association of college organized a two-day event "The Career-Fest" sponsored by NIIT, Gurgaon.

- The alumni Mr. Mohit Mamoria, Founder and CEO of Owlgrin; Ms. Teena Thareja, a Software Developer in the Computer Service Centre, Norwich; Mr. Himanshu Grover, Project Manager in IBM; Anurag Kishore, a senior developer in SAP LABS India Pvt. Ltd; Mr. Rohan Tyagi, a digital product manager with ABP News and Mr. Sandeep Rajan working with Colt Technology Services India disseminated the knowledge about skills, strategies and planning required in the professional world.

- One faculty member attended a two week FDP in Entrepreneurship conducted by Entrepreneurship Development Institute of India (EDI India) sponsored by National Science & Technology Entrepreneurship Development Board (NSTEDB) and Department of Science and Technology (DST), GOI at EDI Campus, Gandhinagar.

- Pilot-Project on Making of Audio Video Profile by **Mr. Bijender Singh** of "AON HEWITT".

- Eleven students attended one-day workshop on "Sustainable Career in Telecom" jointly organized by TSSC (NSDC) and Institution of Electronics and Telecommunication Engineering (IETE), Delhi Centre.

No. of students benefitted | 1060 |

5.7 Details of campus placement

On campus			Off Campus
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
97	294	253	21

5.8 Details of gender sensitization programmes

- Special Scholarship to girl students.

- For paper presentation, registration cost is borne by college for girl student.

- A group of ten girl students along with 2 female faculty members attended one- day workshop on "Girls in ICT day" organized by Delhi University .

- One female faculty member attended the seminar on "Challenges and Opportunities for Women in Science and Technology" at IETE Delton Hall, Lodhi Road New Delhi.

- Health Club of college organized the Marathon-2013 with a theme "Donate your Miles for Women Security".

- Two female faculty members attended the CII Conference on Women Empowerment, at Hotel Westin, Gurgaon.

- One female faculty member attended a one-day workshop on "Women Security" organized by Yes Bank in association with CARE India **at** India Habitat Centre, New Delhi.

- One girl student participated in a technical event " Umang Technical Festival" organized by Guru Jambheshwar University, Hisar, Haryana.

- One female faculty member presented a paper titled "A Computer System with Hardware Repair Subject to Inspection and Software Up-Gradation" in the National Conference on "Recent Trends and Developments in Operations Research" organized by Department of Mathematics, BITS Pilani campus, Pilani.

- One female faculty member presented a paper "Problems of Translation from Hindi to English: An Analysis of Nirmal Verma's The Last Wilderness (Antim Aranya)" in the two day DGHE sponsored National Seminar on Literature and Translation at Hindu Girls College.

- One female faculty member presented paper "Shaping future wireless networks architecture with the application SON automation technology in Information Engineering" in a two day international conference on "Computer Network and Information Technology " organized by NITTTR Chandigarh.

- One female faculty members presented a paper titled "Strategies of Acquiring English Language Skills Through Literature" in a two-day National Seminar cum Workshop on "the Role of English Language & Literature for Promoting Education in the Present Scenario" orchestrated by Department of Humanities, University Polytechnic, Teerthankar Mahaveer University, Moradabad.

- One female faculty member presented a research papers entitled "Image Security using Cellular Automata Rules" in the International Conference on "Soft Computing and problem Solving, SocPros'13 held at IIT Roorkee Extension Center, Greater Noida.

- One female faculty member presented a review paper on "Security Issues in Cloud computing" in a two-day International Conference on Strategy, Innovation & Technology (ICSIT-2014) organized at ANSAL University, Gurgaon in collaboration with Valparaiso University, USA.

- One female faculty member presented a paper in two day National Conference on Contemporary Literature: An Overview at Department of English and Foreign Languages, M.D.U. Rohtak.

- One female faculty members attended a one-day National Conference on Innovative Paradigms in English Language, Media and Communication orchestrated by Department of Humanities, College of Engineering, Teerthanker Mahaveer University, Moradabad.

- One female faculty member attended a one- day Faculty Development Programme (FDP) on "Data Mining and Social Media Analytics - Emerging Trends and Challenges"

organized by Bharati Vidyapeeth's Institute of Computer Applications and Management (BVICAM) in collaboration with AICTE, New Delhi and CSI Division-I & CSI Region-I.

- One female faculty member attended one day International Conference on "Recent Advances in "Electrical Engineering, Power Control, Electronics and Communication Technology (EEPCECT 2014)" organized by "Krishi Sanskriti" at Jawaharlal Nehru University, New Delhi .

- One female faculty attended the Symantec Symposium 2014 on "Information Availability, Intelligence and Data Protection and Information Control & Security" held at Eros Hotel, Nehru Place, New Delhi.

-

- Two female faculty members attended a one - day workshop on 'Electromagnetic Simulation With Comsol' organized by 'COMSOL India Ltd'. at 'New Bridge Business Centres Technopolis', Gurgaon

- Two female faculty members attended seminar on "Role of Teacher in Nation Building" held at GIA House, MG Road, Gurgaon

- One female faculty member attended a workshop on "Cloud Computing" organized by Computer Society of India and Orbus Technologies at Indira Gandhi Delhi Technical University for Women, New Delhi.

- Two female faculty members attended a workshop on Thermography at Hotel Shervani, Nehru Place, New Delhi

- Two female faculty members attended a session where leading Cisco and Industry women speakers from around the APAC region inspired the women for participating in networking field.

- One female faculty member attended the INUP Familiarization workshop on "Nanofabrication Technologies" held at CeNSE (Center for Nano Science and Engineering) Auditorium at IISc. Bangalore.

- One female faculty member attended a seminar on "Application of Computer software in Mathematical Modeling" organized by Guru Gobind Singh Indraprastha University and School of Basic & Applied Sciences at GGS Indraprastha University, New Delhi.

- Two female faculty members attended a two months summer Faculty Research Fellow Programme - 2014 at IIT Delhi.

- One female faculty member attended one week Faculty Development Programme on "Mathematical Optimization Through Evolutionary Computation".

- Three female faculty members attended a one day Engineering and Science Innovation Summit organized by National Instruments at Hotel Park Inn, Gurgaon.

- One female faculty member attended "Engineering & Science Innovation Summit" conducted by National Instruments (NI), India" about NI Measurement Lab Series held at Hotel INN, Gurgaon.

- One female faculty member attended a seminar on "Cardinality Constrained & Probabilistically constrained Optimization" held at Department of Mathematics, IIT Delhi.

- One female faculty member attended one week coordinators workshop on "Signals and System" organized by IIT Kharagpur.

- Three female faculty members attended international workshop on "Computational Intelligence: Theories, Applications And Future Directions"

- One female faculty member attended a three-day national workshop on "VLSI Designing using Verilog Coding" organized at Bhaskaracharya College of Applied Sciences, New Delhi in association with JB Tech INDIA - a renowned project training company

- Two female faculty members attended seminar on awareness programme on "Intellectual Property Rights for Manufacturing Industry", organized by United Nation Industrial Development Organization in collaboration with ICAMT.

- One female faculty member attended 1st Cardiovascular Bioengineering Symposium, 2013 on "Cardiovascular Research: Opportunities and Challenges in India" sponsored by Quality Improvement & Continuing Education Programme, Indian Institute of Technology, Delhi.

- One female faculty member attended a three-day ISTE national workshop on "Advance Research & Development Activities" under Working Professionals Learning Project (WPLP) conducted at Hotel ITC, Gardenia, Bangalore.

- One female faculty member attended the Oracle Higher Education Seminar on "Transform Higher Education: Drive Student Success and Institution Excellence".

- Two female faculty members attended Oracle seminar cum workshop held at Nehru Place, Delhi.

- One female faculty member, Resource Centre Coordinator of Spoken Tutorial attended a three day International Conference "Scipy 2013" organized by FOSSEE (Free and Open Source Software for Education) Project of IIT Bombay, sponsored by Ministry of HRD, Govt. of India, JPMorgan and Enthought Inc.

- One female faculty member, Coordinator of IEEE attended national seminar on "Digital Information Economy: Trends in Technology, Workplace & Workforce for Growth and Sustainable Development" was organized by IEEE at MOTA Hall of PHD Chamber of Commerce and Industry, New Delhi.

- One female faculty member, Resource Centre Coordinator of Spoken Tutorial attended six-week Summer Faculty Research Fellowship Program (SFRFP) at Mathematics Department of IIT Delhi. The objective of SFRFP was to help in inducting and inculcating research culture among the faculty of engineering and science institutes outside IITs.

- One female faculty member attended a five-day Short Term Faculty Development Programme (FDP) on "Image Processing, Computer Vision and Pattern Recognition" conducted National Institute of Technology, New Delhi.

- One female faculty member visited Huawei Telecommunications Gurgaon for the deliberation on a six-week practical training program.

5.9 Students Activities

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

State/ University level | 250 | National level | 299 | International level | 28 |

No. of students participated in cultural events

State/ University level | 03 | National level | 01 | International level | |

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

Sports: State/ University level | 01 | National level | 01 | International level | Nil |

Cultural: State/ University level | 01 | National level | 00 | International level | Nil |

5.10 Scholarships and Financial Support

.	Number of students	Amount (in lakhs)
Financial support from institution	11	3.42
Financial support from government	08	6.01
Financial support from other sources		
Number of students who received International/ National recognitions		

5.11   Student organised / initiatives

Fairs   : State/ University level `0`   National level `1`   International level `1`

Exhibition: State/ University level `0`   National level `0`   International level `0`

5.12   No. of social initiatives undertaken by the students   `5`

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.
- Virtual Labs are added to support the curriculum practical.
- Students enrolled in NPTEL online courses
- Workshops and guest lectures on skill oriented subjects are added.

6.3.2 Teaching and Learning

- 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 reference.

6.3.3 Examination and Evaluation

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

6.3.4 Research and Development

- College has R&D Lab with latest equipments.

- College is also publishing its bi-annual research Journal "Dronacharya Research Journal".

- Faculty members attended Summer Research Faculty Fellowship program organized by Indian Institute of Technology, Delhi (IIT, Delhi)

- Arrange invited talks of experts from reputed institutions.

- Students filed 4 Patents

- Students present the research paper:

  - One student presented a research paper titled "Breaking into Social Nervous System Architecture for Reality Mining" in the IEEE CANADA International Humanitarian Technology Conference 2014 held in Montreal Canada.

  - Four students along with one faculty member presented their project "EDUAPP" in the National level project Competition Innovations'14 organized by the CSI Student Chapter of SIES-GST, Mumbai.

  - Four students presented their paper on "Android and its application" and Transmiting Bots Using Claytronics" in a two-day National Conference on "Emerging Trends in Engineering, Science and Technology, (NCETEST-2014)".

  - One student participated in Techkriti organized by IIT Kanpur in the paper presentation event Eureka. Techkriti is the annual inter-collegiate Technical and Entrepreneurial festival organized by the students of IIT Kanpur.

  - A team of three students presented a research paper titled "Clouting of Ambience Deterioration." in a two-day 3rd International Conference on "Evolution in Science and Technology and Eyne on Educational Methodologies (ESTEEM-2014)".

  - A team of three students presented research paper titled "Input Dealing of The Virtual Reality Engine" in a two-day 3rd International Conference on "Evolution in Science and Technology and Eyne on Educational Methodologies" (ESTEEM-2014).

  - A team of three students presented a research paper on "Design principal for Earthquake Resistant Building and Post Earthquake Study by Structural Engineering perspectives" at IIT, Delhi in TRYST 2014.

  - One student presented a research paper in one - day International Conference on Technological and Management Advances in the New Age Economy: An Industry Perspective.

  - Three students presented a paper in IEEE National Conference on "Signal Processing in Engineering and Technology".

- One student presented a research paper in International Conference on "Advancements in Computing Sciences, Information Techniques & Emerging E-Learning Technologies" (ACSITEET – 2013).

- Six students represented their project "3 E Transformer" and delivered a presentation on "Women Security Bracelet" in second edition of Electronics Rocks 2013 held at NIMHANS Convention Centre, Bangalore with an aim to create India's most exciting platform for its electronics design engineering community

- One faculty member presented research papers entitled "Thermal stress Analysis in a cylinder subjected to Thermal and Mechanical loads" and "Thermal Analysis in a hollow sphere by Integral transforms method" in the International Conference on Recent Advances in Mathematics (ICRAM 2014) .

- One faculty member presented a paper in 2nd National Conference on Advances in Computing Communication Networks and Electrical Systems (NCACCNES-2014) (TEQIP sponsored) organized by University Institute of Engineering & Technology (UIET), Maharishi Dayanand University Rohtak.".

- One faculty member presented a paper titled "A Computer System with Hardware Repair Subject to Inspection and Software Up-Gradation" in the National Conference on Recent Trends and Developments in Operations Research organized by Department of Mathematics, BITS Pilani campus, Pilani.

- One faculty member presented a research paper on "Blood Vessel Extraction for Retinal Images Using Morphological Operator" in IEEE International Advance Computing Conference (IACC'14).

- One faculty member presented a paper "Problems of Translation from Hindi to English: An Analysis of Nirmal Verma's The Last Wilderness (Antim Aranya)" in the two day DGHE sponsored National Seminar on Literature And Translation at Hindu Girls College..

- Two faculty members presented paper "Shaping future wireless networks architecture with the application SON automation technology in Information Engineering" in a two day international conference on "Computer Network and Information Technology" organized by NITTTR Chandigarh.

- One faculty member presented a review paper on "Security Issues in Cloud computing" in a two-day International Conference on Strategy, Innovation & Technology (ICSIT-2014) organized at ANSAL University, Gurgaon in collaboration with Valparaiso University, USA.

- One faculty member presented a paper titled "Innovative paradigms in English Language Teaching" wherein he elaborated some modern pedagogical approaches of language teaching.

- One faculty member presented a research paper on the topic "Smart and Functional materials in Technological Advancement of Solar Photovoltaic" in a two- day International Conference on Innovative Trends in Applied Physical, Chemical, Mathematical Sciences and Emerging Energy Technology for Sustainable Development organized at Jawaharlal Nehru University, New Delhi

- Two faculty members presented a paper titled "Strategies of Acquiring English Language Skills Through Literature" in a two-day national seminar cum workshop on "the Role of English Language & Literature for Promoting Education in the Present Scenario" orchestrated by Department of Humanities, University Polytechnic, Teerthankar Mahaveer University, Moradabad.

- One faculty member presented a research paper in two day National Conference on Contemporary Literature: An Overview at Department of English and Foreign Languages, M.D.U. Rohtak.

- One faculty member presented a research paper in a National Conference on "Recent Trends in Engineering, Technology and Management for Sustainable Development (RTETMSD-2013)" at MVN University, Palwal, Haryana.

- One faculty member presented a research paper "Utilization of Thorium Resources in meeting the Energy needs of India" in a two- day International Conference on "Chemical, Environmental and Bioprocess Engineering" (CEBE-2013) organized at Jawaharlal Nehru University, New Delhi.

- One faculty member presented a research paper entitled "No to the Trodden Path: Gender and Republic in Shakespeare's As You Like It" in the VI International Seminar on "The Republic in Shakespeare" organized by Shakespeare Association (India) in collaboration with Jammu University.

- One faculty member presented a research paper entitled "Measurement and Trends of OH and ClO in the Atmosphere over a Tropical Region" in a two-day International Conference on "Innovative Trends in Natural/Applied Sciences and Energy Technology for Sustainable Development" (ITNASETSD-2013) organized by Krishi Sanskriti at Jawaharlal Nehru University, New Delhi.

- Seven faculty members submitted the abstracts of projects in Vimantra-2013, a National Technical Paper Contest for Research Scholars organized by National Instruments Bangalore.

- One faculty member presented a research paper entitled "Simulation of Endpoint based Call Admission Control using Retransmission Timer" in a two-day International Conference on Computational Intelligence and Communication Networks (CICN 2013) sponsored by IEEE.

- One faculty member presented a research paper entitled "Energy from the Ocean and scope of its utilization in India" in two-day International Conference on Agriculture, Food technologies and Environment - New Approaches (AFTENA-2013).

- One faculty member presented a research paper entitled "Image Security using Cellular Automata Rules" in the International Conference on Soft Computing and problem Solving, SocPros'13 held at IIT Roorkee Extension Center, Greater Noida.

- One of the projects titled "Earthquake prevention using Base isolation System" has been nominated for India's Budding Award 2013.

- A student won the First Prize at Zonal Level of National Network Security Championship (NNSC) 2014.

- The students secured the First Rank for making a mobile application "Sahyog" and were awarded with the certificate, Galaxy Note 3 and a trip to Rishikesh.

- The students project entitled "Missing One's" has been shortlisted among top 10 most innovative and feasible ideas for implementation in IBETO 2014.

- One student logo has been successfully approved by MYGOV CHALLENGE "Design a logo for digital India"

- One student participated in Digital Info Mania Challenge held in Indian School of Business (ISB), Hyderabad and ranked 25.

- Two students have participated in the Construction & Concrete Quiz competition at Gurgaon zone and they secured Rank-1 in the competition.

- One student represented Haryana as a participant in the Third National Rural games 2013-14 tournaments held at Rohtak and organized by Rural Games Association of Haryana.

- Five students participated in Techkriti. Techkriti is the annual inter-collegiate Technical and Entrepreneurial festival organized by the students of IIT Kanpur

- Faridabad Industry Association (FIA) started "The Young Entrepreneurs Panel" in 2005. The "Floating Display" project grabbed the First position in the Computer Science & Information Technology category. This project was developed by Ms. Parul Bhardwaj, Mr. Saurabh Singh and Ms. Ritu Gautam. The "3E (Eco friendly, Economic, Efficient)" grabbed the second position in the Electrical & Electronics category. This project was developed by Mr. Mohit Sharma, Mr. Manish Saini & Mr. Kulshreshta.

- Three students team ranked amongst Top 50 Teams all across India in iSEED - the Indian School for Entrepreneurship and Enterprise Development, one of the largest National Youth Ideas Challenge - iCUBE to encourage the spirit of entrepreneurship amongst the youth.

- Two projects, "Smarter Work Management System" and "E-Health Care Advisor" were selected for the second Round of IBM TGMC is an innovative program that promotes students from engineering colleges in their endeavor to develop IT solutions for real-time problems using IBM open source software.

- Three students attended a three- day event Geek'a'Holic - Addicted to CODE organized by Hackaholic IT Services and Samsung Developers in association with Stirring Minds

6.3.5 Library, ICT and physical infrastructure / instrumentation

- Library has a 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.

- Deputy Librarian presented paper titled "Use of Internet for Library Professionals" in a two-day National Seminar on Library Automation: Issues and Remedies (NSLAIRPS-2014), organized by Department of Library & Information Science, Aggarwal College, Ballabgarh The Seminar was sponsored by ICSSR, Northern -Western Regional Center, Punjab University, Chandigarh.

- Assistant Librarian attended a one - day workshop on "DELNET-Resources, Services and Facilities & KOHA: An Open Source Integrated Library System" held at O. P. Jindal Global University, Sonepat, Haryana.

- Librarian attended a one-day 16th National Convention on Knowledge, Library and Information Networking (NACLIN) - 2013: Emerging Technologies and Innovation in

Library Practices, organized by DELNET in collaboration with Malaviya National Institute of Technology (MNIT) Jaipur.

- One staff member attended DELNET annual lecture program on personalizing libraries and their access by Prof. (Dr.) Sandeep Sancheti, President (Vice Chancellor) Manipal University, Jaipur, organized by DELNET – Developing Library Network and IIC-India International Centre at IIC, New Delhi.

- Five-day short term Faculty Development Programme (FDP) on "Image Processing, Computer Vision and Pattern Recognition" conducted National Institute of Technology, New Delhi

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
- N-LIST (INFLIBNET), Ahemdabad
- Lucideus Tech Pvt. Ltd.- For seminars & workshops
- CMC Limited-IT Related projects and courses in Information Technology
- Best Koki Automative Pvt. Ltd.-Seminars, Training Program
- 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
- iTEP Education India- For English language proficiency test
- 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. - For the Programme "Building Capacities for Consultancy Development & Knowledge Management with Partner Institution (KMPI).
- IIT Bombay- Remote Centre for conducting workshops & FDPs
- IIT Kharagpur- Remote Centre for conducting workshops & FDPs
- IIT Delhi (Virtual Lab)-Nodal Centre for virtual lab
- Spoken Tutorial(IIT Bombay) - Resource Centre for Faculty Development Program, Online Certification, Awareness Session
- eLitmus Evaluation Pvt. Ltd- For Pre-Employment Assessment for placement.
- Cocube .- For pre-employment assessment skills & Aptitude Test
- Monster.com India Pvt. Ltd - For online recruitment solution
- 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 maintaing website
- Huawei - Industrial Visit of students
- ParaMek Technologies- For conducting workshop
- National Institute for Entrepreneurship & Small Business Development (NIESBUD), Noida is an autonomous institute under the Ministry of Micro, Medium and Small Enterprises, Government of India - Entrepreneurship Empowerment Program
- Confederation of Indian Industry (CII)- For interaction with industry experts

- International Forum for Excellence in Higher Education (IFEHE)- For conducting National Creativity Aptitude Test (NCAT) for students.
- National Entrepreneurship Network (NEN)
- 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 is based on the merit of JEE rank and counselling is being conducted by Haryana State Counselling Society, Govt. of Haryana

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.

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

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6.11 Activities and support from the Alumni Association

- Organizing the Alumni Meet every year.

- 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.

- Ms. Neha Setia, an alumnus presently working as GET, IOMC Division of HCL Technologies, Noida shared her experience with the students regarding placement preparation as well as current trends in corporate sectors.

- The Alumni Association of college organized .a two-day event "The Career-Fest" sponsored by NIIT, Gurgaon.

- The alumni Mr. Mohit Mamoria, Founder and CEO of Owlgrin; Ms. Teena Thareja, a Software Developer in the Computer Service Centre, Norwich; Mr. Himanshu Grover, Project Manager in IBM; Anurag Kishore, a senior developer in SAP LABS India Pvt. Ltd; Mr. Rohan Tyagi, a digital product manager with ABP News and Mr. Sandeep Rajan working with Colt Technology Services India disseminated the knowledge about skills, strategies and planning required in the professional world.

- Mr. Anupam Atri, an alumnus presently the Founder cum Director of Avokado Technology, New Delhi shared valuable inputs among the budding technocrats under the Alumni Interaction Program.

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 discussion on the scope of the improvement.
- Suggestions and feedback from parents are also taken into consideration.

6.13 Development programmes for support staff

- Training is given in yoga and meditation to relieve the stress.

- Skilled Development Programs are conducted for enhancement of their skills.

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

- Training in fire safety, emergency situation handling

- Deputy Librarian presented paper titled "Use of Internet for Library Professionals" in a two-day National Seminar on Library Automation: Issues and Remedies (NSLAIRPS-2014), organized by Department of Library & Information Science, Aggarwal College, Ballabgarh

- Assistant Librarian attended a one - day workshop on "DELNET-Resources, Services and Facilities & KOHA: An Open Source Integrated Library System"held at O. P. Jindal Global University, Sonepat, Haryana.

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- One staff member attended DELNET Annual Lecture program on personalizing libraries and their access by Prof. (Dr.) Sandeep Sancheti, President (Vice Chancellor) Manipal University, Jaipur, organized by DELNET – Developing Library Network and IIC-India International Centre at IIC, New Delhi.

- One staff member attended a two-day program on "Mentor Development Course", held at Indian Agricultural Research Institute, Pusa Institute, New Delhi.

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

- Water harvesting system in the college.

- Separate bins are kept in the campus for segregating waste.

- Solar Heating System in hostel for heating water in winter.

- Use of plastic items is prohibited in college canteen.

- Paryavaran Club of college organized a one-day workshop on "Paper Recycling" in association with Greenobin Recycling Pvt. Ltd., Gurgaon. The objective of the workshop was to make students aware about recycling.

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.

<table>
<tr><td colspan="2">Innovations:</td></tr>
<tr><td>a)</td><td>Online Assignment Test (Weekly/Monthly) & presentations as well as quizzes.</td></tr>
<tr><td>b)</td><td>Spoken tutorial workshops and certification from IIT Bombay</td></tr>
<tr><td>c)</td><td>Facility of Virtual Labs is introduced for the students for better concepts of the experiment.</td></tr>
<tr><td>d)</td><td>Many bridge courses are organized by various departments for making students industry ready and to mitigate the gap between industry demand and university curriculum.</td></tr>
<tr><td>e)</td><td>Industrial Visits are organized to give the industrial exposure to the students.</td></tr>
</table>

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

- FDP have been organized in collaboration with industries like IIT Bombay, IIT Kharagpur, IIT Madras, NITTTR Chandigarh etc. .

- Industrial Visit in core companies.

- Five faculties enrolled for Ph.D

- Faculty members presented paper in International Conferences

- MOUs has been signed with various companies

- Proper mentoring system has been designed for weak students

- Maximum Pre-final & final year students have been enrolled for online certification.

- Preparatory classes have been 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

- Regular pre-placement talks have been conducted for final year students.

- Industry experts conducted workshop for Pre-final & final year student

- Entrepreneurship Development Cell has conducted three workshops on awareness of entrepreneurship.

- Two new Labs have been set up for Civil and Electrical & Electronics Engineering Department.

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

- Online assignments
- The projects work starts from 2nd year onwards.

*Provide the details in annexure (annexure need to be numbered as i, ii,iii)

7.4 Contribution to environmental awareness / protection

- Encouraging students to submit the assignments online. The college is working towards implementing a completely paperless policy.

- Environmental Awareness Camps are organized to spread more awareness about 3R: Reduce, Reuse & Recycle.

- Two students attended a one-day National Conference on "Multi-Stakeholder Round Table Training Sustainable Solutions for Jatropha Based Bio-Fuels in India" at PHD House, New Delhi.

- Environmental Expert Talks are organized.

- One student completed his internship on the project "The Global Village" at AIESEC (Association internationale des étudiants en sciences économiques et commerciales) University of Philippines, Dilman.

- One faculty member attended the 1st International Forum on Asian Water Environment Technology held at Jawaharlal Nehru University, New Delhi, India.

- One faculty member attended India-Japan workshop on Biomolecular Electronics & Organic Nanotechnology for Environment Preservation (IJWBME-2013) at Delhi Technological University (DTU), Delhi.

7.5 Whether environmental audit was conducted?   Yes √   No ☐

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

<u>SWOT Analysis:</u>

<u>Strengths:</u>

- Qualified & experienced faculty.
- Value Added Courses are conducted to impact necessary skills to the students in order to fulfil industrial expectation.
- Increasing number in campus placements.

SWOT Analysis:

Weaknesses

- Lack of placement opportunities to students in hard core companies.
- No Consultancy received against projects.

SWOT Analysis:

Opportunities

- Inculcating human ethics, values and discipline in students.
- College encourage students to participate in various competitions.
- Students are provided industrial exposure to give practical knowledge.
- College offer scholarship to meritorious students.

SWOT Analysis:

Threats

- Rapidly changing technology and the industrial requirements ask for enhancing the employability of students for which extra measures need to be taken
- Increased in -disciplined behaviour amongst students.

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) More in-house AICTE/ UGC/ IEEE/ ISTE/ CSI Sponsored Seminars and Workshops.

d) Encourage faculty members to present paper in International Conference.

e) More MOUs with leading Industries.

Development/Improvement in Students Performance:-

f) Awareness Camp for students will be organized by Entrepreneurship Development Cell.

g) Publish more papers in good research Journals & encouraging participation in seminars

h) International Level on-line certification courses for all students.

i) More use of ICT in Teaching Learning (NPTEL, Virtual Labs etc.)

j) Extra classes & counselling for weak students at more minute level to improve the results are planned in off-hours.

k) Close mentoring of final year students for better placements.

l) Increase participation of student creative activities/ clubs.

Facilities:-

m) Purchase of some latest equipment for upgradation of lab.

n) More class rooms/ Tutorial Rooms will be constructed.

o) One seminar hall will be constructed

p) Set up of e-Yantra Lab

q) Inauguration of Microsoft Innovation Centre

Sports Facilities: - Improvement in Sports facilities. More sport equipments (indoor & outdoor) shall be added)
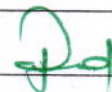
Name _Dr. SRI KRISHAN YADAV_   Name _Prof.(Dr.) B.M.K. Prasad_

Signature of the Coordinator, IQAC   Signature of the Chairperson, IQAC
                                         Principal
                                         Dronacharya College of Engg
                                         Farrukh Nagar-12350

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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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