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)

DRIEMS

Submitted

to

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

> **DRIEMS**

1.2 Address Line 1

> At- Kairapari, PO- Kotsahi (Tangi), Dist- Cuttack, Pin- 754022

Address Line 2

City/Town

> Cuttack

State

> Odisha

Pin Code

> 754022

Institution e-mail address

> Info@driems.ac.in

Contact Nos.

> 9437025755

Name of the Head of the Institution:

> Dr. Sarat Kumar Mishra

Tel. No. with STD Code:

> 0671 - 2595061

Mobile:

> 9437087346

Name of the IQAC Co-ordinator:

Prof. Bibekananda Mohanty

Mobile:

9938253030

IQAC e-mail address:

iqac@driems.ac.in

1.3 **NAAC Track ID** (*For ex. MHCOGN 18879*)

ORCOGN14394

1.4 **NAAC Executive Committee No. & Date:**
(*For Example EC/32/A&A/143 dated 3-5-2004.*
This EC no. is available in the right corner- bottom
of your institution's Accreditation Certificate)

EC(SC)/01/A&A/068 dated 04-05-2014

1.5 Website address:

www.driems.ac.in

Web-link of the AQAR:

http://www.driems.ac.in/AQAR2016-17

For ex. http://www.driems.ac.in/AQAR2016-17.doc

1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1st Cycle	A	3.05	2014	5 years
2	2nd Cycle				
3	3rd Cycle				
4	4th Cycle				

1.7 Date of Establishment of IQAC :   DD/MM/YYYY

29-05-2009

1.8 AQAR for the year (*for example 2010-11*)

2016-17

1.9 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 _____ _____ (DD/MM/YYYY)4
ii. AQAR_____ _____ (DD/MM/YYYY)
iii. AQAR_____ _____ (DD/MM/YYYY)
iv. AQAR_____ _____ (DD/MM/YYYY)

1.10 Institutional Status

University   State ☐ Central ☐ Deemed ☐ Private ☑

Affiliated College   Yes ☑   No ☐

Constituent College   ☐ Yes   ☑ No

Autonomous college of UGC   Yes ☐   No ☑

Regulatory Agency approved Institution   Yes ☑   No ☐

(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 ☑

1.11 Type of Faculty/Programme

Arts ☐   Science ☐   Commerce ☐   Law ☐   PEI (Phys Edu) ☐

TEI (Edu) ☐   Engineering ☑   Health Science ☐   Management ☐

Others (Specify)   [.]

1.12 Name of the Affiliating University *(for the College* | BIJU PATNAIK UNIVERSITY OF TECHNOLOGY (BPUT)

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

Autonomy by State/Central Govt. / University

University with Potential for Excellence   UGC-CPE

DST Star Scheme   UGC-CE

UGC-Special Assistance Programme   DST

UGC-Innovative PG programmes   Any other *(Specify*

UGC-COP Programmes

2. IQAC Composition and Activities

2.1 No. of Teachers   7

2.2 No. of Administrative/Technical staff   1

2.3 No. of students   1

2.4 No. of Management representatives   1

2.5 No. of Alumni   2

2. 6 No. of any other stakeholder and
        community representatives   1

2.7 No. of Employers/ Industrialists   1

2.8 No. of other External Experts   1

2.9 Total No. of members

| 15 |

2.10 No. of IQAC meetings held   4

2.11 No. of meetings with various stakeholders: No. | 4 | Faculty | 2 |

Non-Teaching Staff Students | 2 | Alumni | - | Others | - |

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. | 4 | International [ ] National | 2 | State | 2 | Institution Level [ ]

(ii) Themes [   ]

2.14 Significant Activities and contributions made by IQAC 3200

- Fundamentals of Data Warehousing
- Biped-a Humanoid Robot
- Android App Development
- Artificial Intelligence

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
Teaching-Learning Process	Development of Quality Parameters for various academic and administrative activities of the Institute
Feedback Analysis	IQAC has created more space for interaction between teachers and students

	both at the department level as well as at the general. Issues emerging out of interaction are discussed with HoDs and duly redressed in the Quarterly meetings
Faculty Appraisal System	IQAC monitoring the self-appraisal of faculty members of the Institute through the Appraisal System

* Attach the Academic Calendar of the year as Annexure-II.

2.15 Whether the AQAR was placed in statutory body ☑ Yes ☐ No

Management ☑   Syndicate ☐   Any other body ☐

Provide the details of the action taken

> The Management and IQAC members approved the Annual Quality Assurance Report (AQAR) after a detailed discussion. They also suggested strengthening the placement, industry institution interaction, and research & consultancy activities. The follow-ups were done periodically through the HODs meeting and other department level meetings.

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	**07**	-	**07**	-
UG	**06**	-	**06**	-
PG Diploma	-	-	-	-
Advanced Diploma	-	-	-	-
Diploma	-	-	-	-
Certificate	-	-	-	-
Others	-	-	-	-
Total	**13**	-	-	-

Interdisciplinary	-	-	-	-
Innovative	-	-	-	-

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

Pattern	Number of programmes
Semester	**13**
Trimester	
Annual	

1.3 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-III

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

No.

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

No

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
97	60	20	17	

2.2 No. of permanent faculty with Ph.D.

16

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
3								3	

2.4 No. of Guest and Visiting faculty and Temporary faculty

| | 02 | |

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	03	22	-
Presented	06	04	-
Resource Persons	-	-	-

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

- Usage of NPTEL resources, E-library and E-journals.
- Audio Visual Aids
- FDP, Guest lectures, Seminars & work shop
- Field Trips
- Practical hands on experiments
- Industrial visits& In-plant training
- Value added courses
- National Digital Library

2.7 Total No. of actual teaching days during this academic year   180

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

2.9 No. of faculty members involved in curriculum
   restructuring/revision/syllabus development

   | 1 | - | - |

   as member of Board of Study/Faculty/Curriculum Development workshop

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 (Civil Engineering)	35		69	17		86
B.Tech (Mechanical Engineering)	123		75	10		85
B.Tech (Computer Science & Engineering)	27		70	19		89
B.Tech (Electronics & Telecommunication Engineering)	21		76	14		90
B.Tech (Electrical Engineering)	28		82	14		96
B.Tech (Electrical &	11		64	18		82

Electronics Engineering)						
B.Tech (Information Technology)	1		100	0		100
B.Tech (Applied Electronics & Instrumentation Engineering)	3		100	0		100

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

- IQAC monitors the internal assessment test evaluation and suggests for enrichment.
- IQAC has been closely monitor all the academic activities such as syllabus completion, content beyond the syllabus and value added courses.
- Internal & External Academic Audit.

2.13 Initiatives undertaken towards faculty development

Faculty / Staff Development Programmes	*Number of faculty benefitted*
Refresher courses	27
UGC – Faculty Improvement Programme	-
HRD programmes	-
Orientation programmes	-
Faculty exchange programme	-
Staff training conducted by the university	-
Staff training conducted by other institutions	-
Summer / Winter schools, Workshops, etc.	09
Others	

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	55	-	-	-
Technical Staff	28	-	-	-

Criterion – III

3. Research, Consultancy and Extension

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

The Institute has an exclusive Research & Development (R & D) Cell to monitor and address the issues of research. R & D cell constantly motivates the faculty members to prepare and submit the R&D proposals to various funding agencies namely AICTE, CSIR, DST, MNRE, DRDO, TNSCST, etc.,

Various Workshops were conducted to enrich R&D activities of the Institution
- Intellectual Property Rights & Innovations
- Preparation of suitable Project Proposal

3.2   Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	-	-	-	-
Outlay in Rs. Lakhs	-	-	-	-

3.3   Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	-	-	-	-
Outlay in Rs. Lakhs	-	-	-	-

3.4   Details on research publications

	International	National	Others
Peer Review Journals	37	05	-
Non-Peer Review Journals	07	-	-
e-Journals	-	-	-
Conference proceedings	06	04	-

3.5 Details on Impact factor of publications:

Range 0-2.213   Average 1.146   h-index 3   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	-	-	-	-
Minor Projects	-	-	-	-
Interdisciplinary Projects	-	-	-	-
Industry sponsored	-	-	-	-
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 　　| 07 |

i) With ISBN No. | 07 |　　　　Chapters in Edited Books | 02 |

ii) Without ISBN No. | - |

3.8 No. of University Departments receiving funds from

　　　　　　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 | 455000.00 |

3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
Number	-	14	-	-	-
Sponsoring agencies	-	-	-	-	-

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

3.13 No. of collaborations   International [-]   National [-]   Any other [01]

3.14 No. of linkages created during this year   [-]

3.15 Total budget for research for current year in lakhs : 62.47

From Funding agency [-]   From Management of University/College [62.47]

Total   [62.47]

3.16 No. of patents received this year

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

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
-	-	-	-	-	-	-

3.18 No. of faculty from the Institution   [01]
who are Ph. D. Guides
and students registered under them   [01]

3.19 No. of Ph.D. awarded by faculty from the Institution   [01]

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

JRF [-]   SRF [-]   Project Fellows [-]   Any other [-]

3.21 No. of students Participated in NSS events:

University level | - | State level | 61

National level | - | International level | -

3.22 No. of students participated in NCC events:

University level | - | State level | 15

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:

University level | - | State level | -

National level | - | International level | -

3.25 No. of Extension activities organized

University forum | - | College forum | -

NCC | 02 | NSS | 05 | Any other | -

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

- Blood Donation Camp
- Computer literacy for under privileged children of village Anjua.

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	25.08 acres			25.08 acres
Class rooms	36			36
Laboratories	53			53
Seminar Halls	08			08
No. of important equipments purchased (≥ 1-0 lakh) during the current year.				
Value of the equipment purchased during the year (Rs. in Lakhs)				
Others				

4.2 Computerization of administration and library

- Libsys software used for automation
- Computerization of library
- Bar coding system followed
- Internet services provides with 70Mbps line Connectivity
- DELNET & IEEE E-learning materials are available
- NPTEL, NCTEL & Online programme of various IITs

4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	27715	8480790	978	299268	28693	8803242
Reference Books	5339	1633734	200	61200	5539	1694934
e-Books	206		50	0	256	
Journals	61	132614	11	23914	72	156550
e-Journals	275	552791	10	11500	285	564291
Digital Database	0	0	0	0	0	0
CD & Video	1300	0	55	0	1355	0
Others (specify) Project Report	336	0	79	0	415	0

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Depart -ments	Others
Existing	570	05	45Mbps	-	02	-	11	-
Added	-	-	-	-	-	-	-	-
Total	570	05	45Mbps	-	02	-	11	-

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

> The college has provided desktops and internet facility to all Departments. The college has its own software for managing the academic activities through intranet. The college has its own website. Bulk SMS and email is used to communicate with the students for delivering notice, information regarding attendance, and other reports to parents, course plan, assignments etc.

4.6 Amount spent on maintenance in lakhs :

i) ICT   6.62

ii) Campus Infrastructure and facilities   60.62

iii) Equipments   13.51

iv) Others   6.67

Total :   87.42

Criterion – V
5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

- Entrepreneurship Development Cell organizes periodical meetings with industrialists, entrepreneurs and chief executives of various concerns to enhance the entrepreneurship skills among the students.
- Industry Institute Interaction cell builds a good relationship between the Industry and Institute forth welfare of the students by organizing regularly guest lectures, seminars, workshops, conferences, industry visits, in-plant training, internships and campus connect programmes.
- The Principal, Dean, HODs interacting with students from time to time to make them aware of student support facilities such as Book Bank, Mentor, Mentee Connect, industrial training, placements, medical aid, etc.

5.2 Efforts made by the institution for tracking the progression

- Personal growth sessions are conducted in all departments.
- Tracking the progress of students through Assignments, Model exams and Counselling.
- Various committees to support the students such as Student welfare, Grievances and Redressal, Internal Complaint Committee etc
- Periodic Parent - Teachers meeting to convey the progress of wards and to elicit their views on various issues.
- Department meetings are being conducted twice in a month to monitor the progress of the action plan.
- Academic audit is being conducted every semester to evaluate the progress.
- Management motivate students in terms of funding their project work and paper publication , participation in national level events and awarded them in various categories at college level like best student, best innovator etc.

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
1079	25	-	-

(b) No. of students outside the state

137

(c) No. of international students | - |

No	%
923	83.60

Men

No	%
181	16.39

Women

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
1108	53	21	129	-	1311	917	70	19	73	-	1079

Demand ratio   -   Dropout % <1%

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

> Career Development Cell is organizing the coaching classes for the students to face competitive examinations and especially GATE.
> Communication skills of the students were improved by giving soft skills training.
> The Institute provides support in the form of books, e-materials and value added short term course.

No. of students beneficiaries | 124 |

5.5 No. of students qualified in these examinations

NET | | SET/SLET | | GATE | 02 | CAT | |

IAS/IPS etc | | State PSC | | UPSC | | Others | |

5.6 Details of student counselling and career guidance

> The Institute follows Proctorial system in which each Proctor is designated to care of 20 students. Institute also arranges the following programmes on a regular basis to guide the students.
> - Orientation programmes
> - Personal Counselling
> - Career Counselling.
> - Psycho-social Counselling.
> - PDP Sessions and Mock Interviews for the students.
> - Seminars & Webinars by Industrial experts.

No. of students benefitted

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
23	297	222	22

5.8 Details of gender sensitization programmes

- Institute organizes several programmes to enhance the confidence level of girl students for their empowerment in the society.
- International Women's Day was celebrated which is an opportunity to appreciate the remarkable contribution of women to our society.
- Personal and academic related problems of women are counselled and solved.

5.9 Students Activities

5.9.1 No. of students participated in Sports, Games and other events : 08

State/ University level ✓   National level ☐   International level ☐

No. of students participated in cultural events :30

State/ University level ☐   National level ☐   International level ☐

5.9.2 No. of medals /awards won by students in Sports, Games and other events: 01

Sports : State/ University level ✓   National level ☐   International level ☐

Cultural: State/ University level ☐   National level ☐   International level ☐

5.10 Scholarships and Financial Support

	Number of students	Amount
Financial support from institution	01	10,000/-
Financial support from government	203	Transferred to the students bank account
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 [02]   National level [   ]   International level [   ]

5.12   No. of social initiatives undertaken by the students [05]

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**
> - DRIEMS fosters a vision of educational transformation in keeping pace with the times.
> - It emphasizes on a symbiotic relationship between the students, faculties, academic curricula and industries.
> - This young institution offers a holistic approach to technical education, personality development and social skills.
> - The challenge of the day is to tune oneself to the socio-economic, cultural and educational need of the world and to think globally; DRIEMS understands this national responsibility and works in generating a pool of talented and industry ready budding engineers who can muddle through the emerging issues confronting the 21st century.

MISSION

- ➢ To silhouette into a learning community where members work, listen and respect each other.
- ➢ To encourage and facilitate faculty, researchers and students to work synergistically across discipline boundaries.
- ➢ To infuse a sense of excitement in students for innovation, invention & design entrepreneurship.
- ➢ To develop and pursue curricula those are dynamic, flexible and holistically designed to facilitate inspirational and cognitive thinking.
- ➢ To strive for productive partnership between the industry and the Institute.

6.2 Does the Institution has a management Information System

Yes. The Institute has developed user-friendly Management System Software to easily manage and cater the needs of all departments & thereby functions of whole college. This enables to easily manage students, faculty members, staff and several other activities. All the functions like students enquiries, timetable, digital library (NPTEL & e-resources), attendance and examination (online quiz & assignments) can be fed in and can be retrieved any time at the click of the button. MIS plays a vital role to provide all information regarding students, parents, faculty members and staff.

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

6.3.1 Curriculum Development

As an affiliated College, the Institution follows Biju Patnaik University of Technology University curriculum. Through the institute conducts a meeting with Internal and external experts from academia and experts from Industry and Alumni periodically for enriching the curriculum.

6.3.2 Teaching and Learning

The institute has adopted SMART classrooms, MOOCS spoken tutorial classes, NPTEL, NCTEL classes and LCD projectors for quality improvement.

6.3.3 Examination and Evaluation

Continuous evaluation using assignments, quiz, class test, group discussions, presentation, case studies and sessional exams is to improve the quality.

6.3.4 Research and Development

- The **Research and Development Cell** is established with an objective of promoting research by students and the faculty members in newly emerging and challenging areas of Engineering, Technology, Science and Humanities. R&D Cell encourages the faculty members and students for sending research proposals and receiving funds from various research bodies.

- Faculty provided with On – Duty, Registration fee refunds for participating in conference, FDP, Seminars etc.

- Encouraging faculty to organize, attend and present papers at state/national/international conferences and seminars.

- Faculty members and students are motivated to publish their research papers in reputed national and international journals / conferences. Faculty members are guiding the students to do grant-in aid research under student project scheme. Experts from reputed institutions are invited for R & D related interactions. The project proposals are usually examined and evaluated by the Project scrutinizing committee before they get sent to the funding agency.

6.3.5 Library, ICT and physical infrastructure / instrumentation

- Laboratories are updated with modern and advanced tools. Library is fully computerized are updated with latest software facility, barcode based user authentication etc.
- ICT based instruments and computers.
- 24 x 7 Internet & Wi-Fi
- CC TV surveillance services.

6.3.6 Human Resource Management

The human resource of the Institute is professionally managed by its Recruitment & Performance Regulatory Board (RPRB). There is a proper recruitment, selection and induction policy for faculty and staff.

6.3.7 Faculty and Staff recruitment

Faculty members and Staffs are recruited by the Institute as per AICTE norms. The selection process is based on the recommendation of an Expert Committee which includes Subject Experts. The recruitment process is very transparent which includes advertisement in Local & National dailies. The entire process of recruitment is controlled by the RPRB.

6.3.8 Industry Interaction / Collaboration

- The Institute emphasizes upon career development of the students. This is achieved by establishing MoUs with reputed core industries to enhance Industry-Institute Interaction activities like Internships, Industrial Visits, In-plant Trainings, Value Added Courses, Industrial Projects, Guest Lectures etc., for the benefit of students.

- **Industry Institute Partnership Cell** (IIPC) **& Entrepreneur Development Cell** (EDC) is functioning for enhancing the industry-institute relationship.

6.3.9 Admission of Students

Admissions are made through a single window i.e. Odisha Joint Entrance Examination and reservations guideline is strictly followed as issued by the Govt. of Odisha / Regulatory Bodies from time to time.

UNDERGRADUATE (B.TECH)

Computer Science & Engg.	92
Electronics & Telecommunication Engg.	08
Electrical Engg.	13
Mechanical Engineering	46
Civil Engineering	35
Electrical Electronics Engineering	10

POST GRADUATE (M.TECH)

Computer Science & Engg. (PG)	03
Electronics & Telecommunication Engg. (PG)	02
Electrical Engg. (Power System) (PG)	05
Power Electronics & Drives (PG)	00
VLSI Design & Embedded System (PG)	00
Mechanical System Design (PG)	02
Structural Engineering (PG)	03

6.4 Welfare schemes for

Teaching	E P F, ESI Scheme, Free transport to staff
Non teaching	E P F, ESI Scheme, Free transport to staff
Students	Book Bank, Scholarships & awards

6.5 Total corpus fund generated

Nil

6.6 Whether annual financial audit has been done ✔ Yes   No

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	BPUT	Yes	Dean Academic
Administrative	No		No	

6.8 Does the University/ Autonomous College declares results within 30 days?

For UG Programmes   Yes ✔   No

For PG Programmes   Yes ✔   No

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

The University has implemented e-evaluation centres at different affiliated / constituent colleges for the timely publication of result.
- Photocopies of Answer scripts are provided for students based on request. Revaluation of Answer scripts.
- Publication of Semester results through online.

If a student misses the End-semester examination due to compelling reason like serious illness of himself / result of a calamity in the family, he/she may appeal to the Dean Student Affair through his/her HOD of the department for permitting himself / herself to register for Academic Back Examination/Summer Quarter.

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

> University nominates representative in institutional statutory committees like Academic Council, BOG and their suggestion are incorporated in the autonomous framework.

6.11 Activities and support from the Alumni Association

> - Alumni are invited to visit the college for guest lecturers & interaction with students to enhance the knowledge & skills of the students.
> - The Alumni helps in bringing industries and companies for campus Placements and provides employment opportunities to the students.
> - Few students of the Alumni are Entrepreneurs, they motivate and guide the students to become entrepreneurs.

6.12 Activities and support from the Parent – Teacher Association

> Parent Teacher Association meeting is conducted periodically to know about the students' progress. The meeting is a platform to offer suggestions for further improvement and development of the students. The parents get an opportunity to interact with the faculty advisors and heads of the departments to know about their ward's performance and study.

6.13 Development programmes for support staff

> - Orientation program of non-teaching staff was conducted
> - Technical training programmes are organised to enhance their skill and up to date with current technology for technical and non-teaching staff.

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

> - Energy conservation
> - Use of renewable energy
> - Rain Water harvesting
> - Regular tree planting and green environment maintenance.
> - Installation of Solar Street lights inside the campus

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.

- Improving soft skills of the student through training and placement.
- Improving teaching and technical skills of faculty by various programmes.
- Improving communication skills of staff and student through spoken English class every week.
- Boarding facility is compulsory for slow learners while Examination period.
- Increasing placement opportunities for the student by placement training.
- Improving social involvement of the students by NSS programme.
- The students are taught for content beyond the syllabus & Controlled by IQAC
- Value added courses improve the technical skills of the student.

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

Plan of Action	Achievements
BPUT Affiliation for the year 2016-17	Affiliation documents submitted to affiliated University (BPUT)
AICTE Approval for the year 2016-17	Documents submitted to AICTE for Extension of Approval
AICTE & MHRD Programme	Swachh Pakhwada, Smart India Hackathon etc. conducted
FDP, Workshop, Seminar, ICT based short term course and invited talk etc.	14 Seminar, Invited Talk on research etc. workshop, training programme, FDP etc. have been conducted
Eco friendly approaches	Van Mahostav is celebrated to promote planting of trees and encourage about to promote Green Environment

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

1. **Title of the Practice- Promotion of Research & Industrial Consultancy:**

   (i)   Organized Industry Experts talk.
   (ii)   Provide study leave to faculty members for pursuing Ph.D.
   (iii)   Encouraging faculty to submit project proposals to DRDO, DST etc for government funding.
   (iv)   Faculty and students are provided opportunity to attend seminars & conferences at other institutions of higher learning.

2. **Title of the Practice –Extension Activity for contribution to Society / Nation:**

   (i)   Yoga programme conducted daily in the Morning during May – July 2017.
   (ii)   Recreational visit of students under the supervision of faculty members.
   (iii)   Organizing Parents –Teacher meetings in every semester.
   (iv)   Under School Enterprise Challenge, Computer literacy programmes are being regularly conducted in the adopted village 'ANJUA'.
   (v)   Blood Donation Camp was organized in March, 2017.
   (vi)   Various activities, Swacch Bharat Abhiyan, Road Safety, Environment Day, Bana Mahastov, AIDs Day etc are conducted under NSS

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

7.4 Contribution to environmental awareness / protection

   1. NSS Unit creates awareness of environmental hazards and of the urgent to keep the environment clean green and pollution free. NSS organised Swacch Bharat Abhiyan.
   2. NSS volunteers regularly lead campaigns to prevent use of polythene and polythene products in the college campus.
   3. Eco – club has organised tree plantation and provided tags with Botanical names of each plant.

7.5 Whether environmental audit was conducted?   Yes [ ]   No [✓]

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

STRENGTHS

1. The Institute is accredited by NAAC, IAO and certified by ISO 9001:2008.

2. Well equipped laboratories and workshops offer excellent facilities for high quality teaching-learning process and research. Teaching-Learning system is student centric.

3. Each department is equipped with sufficient number of high end classrooms with state-of-the art equipment support to conduct teaching, seminars, group discussions etc. with involvement of Guest speakers from premier Institutions / Industries.

4. A team of qualified and experienced faculty members dedicated to teaching and research, handling industrial projects, publication of research papers and books.

5. Smart class rooms and language laboratories with excellent, state-of-the art hardware and software for grooming students in communication skills.

6. Incentives and reward schemes for sharp performers both students and faculties.

7. 24 hour uninterrupted power supply support through high capacity stand-by DG sets, UPS etc.

8. Involvement of top and eminent academicians from various premier institutions, leading industries in the Academic Advisory Committee to provide guidance and direction for curricular as well as extra-curricular enrichment.

9. A fully digitized e-library located in an ideally suited academic ambience.

10. Has 30 Mbps internet connectivity and a professionally designed website i.e. www.driems.ac.in.

11. A broad Alumni base through a Registered Association. Website: www.driemsalumni.org

12. Special quality improvement classes conducted by eminent professors for high fliers aspiring for GATE and other competitions.

13. Excellent interaction with various industries through Memorandum of Understandings and Industry Institute Partnership Cell.

14. Students' performance in University Examinations is one of the best in line.

15. A strong Training & Placement division to cater to the recruitment and placement, training needs of students.

16. Fully air conditioned auditorium and seminar halls with state-of-the art audio-visual facilities, internet connectivity etc. for holding meetings, seminars, conferences, functions etc.

17. A spacious campus located in an integral part of 160 acres with building of architectural marvel.

18. e-magazines, weekly e-news i.e. 'DRIEMS Weekend', departmental e-journals that encourage students and faculty members for technical paper writing and publication.

19. Operation of various societies like ISTE, CSI with active involvement of students.

20. Facilities of NPTEL.

21. Publishing an International Journal 'International Journal of Intelligent Computing and Applied Sciences (IJICAS)'. Website: www.ijicas.com

22. Houses sports complex, cricket stadium, excellent swimming pool and gym.

WEAKNESSES

1. Industry Institution Interaction needs to be strengthened further.

2. Faculties with industrial experience are less in number.

3. The Institute being affiliated to a University does not have free hand to upgrade the prescribed curriculum.

4. Consultancy and extension activities need improvement.

5. GATE-qualified students are not joining our PG courses, due to lack of assistance ship. However, we provide scholarship to non-GATE students who are taking admission in DRIEMS.

OPPORTUNITIES

1. Being situated in the vicinity of Industrial areas and major cities, the Institute has huge scope to flare in Industry-Institute participation.

2. Can expand activities in social / rural sectors.

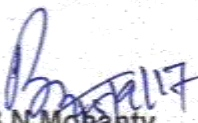3. No limitation of land and space for opening new courses.
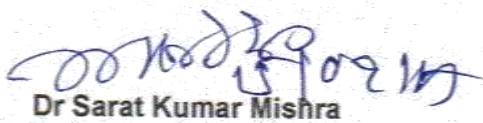
CHALLENGES

1. Coping with rapid changing in technology and the industrial requirements to improve the employability of the students are the biggest challenge for an Institution affiliated to a University.

2. Unpredictable and declining quality of students may exert pressure on the teachers.

3. Students from different language groups and different state boards continue their studies here. It is a challenge to uplift their standard of communication in a common professional language.

4. Declining supply of quality faculty, doctorates as well as exposing the teaching faculty to the Industrial scenario and get them trained in an industry is another challenge.

5. As it is a rural based Institute, we provide all urban facilities to our students.

8. **Plans of institution for next year**

> IQAC decided to :
>
> - Provide all departments with facilities for digital class;
> - Seek Permanent Affiliation with Biju Patnaik University of Technology (BPUt)
> - Obtain UGC recognition under section 12b to become eligible for Govt. funding
> - Sponsor the faculty to Institutions of National importance to encourage them to apply for funding from various Govt. and Industry Agencies
> - Reorient our teaching learning assessment processes to outcome based education approach.
> - Acquire N.B.A. Accreditation for each streams of B.Tech Programmes
> - To setup Industry - Institute P&D facilities
> - Advise the faculties to increase their participation in research-oriented activities and organize students' seminars, quiz contests, excursions/educational tours;
> - Renovate the existing office space for better management of office-related works.
> - Strengthen students' support activities, particularly the grievance redressal and counselling cells, and undertake more outreach programmes.

Prof. B.N.Mohanty
Coordinator, IQAC

Dr Sarat Kumar Mishra
Principal-cum-Chairman, IQAC

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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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