

The Annual Quality Assurance Report (AQAR) of the IQAC

Academic Year- July 1, 2013 to June 30, 2014

Part – A

I. Details of the Institution

1.1. Name of the Institution

Progressive Education Society's
Modern College of Engineering

1.2. Address Line 1

1186 A, Shivajinagar, Off. J.M. Road

Address Line 2

Tal: Haveli,

City/Town

Pune-411005

State

Maharashtra

Pin Code

411005

Institution e-mail address

principal@moderncoe.edu.in
[pesmcoe@gmail.com/](mailto:pesmcoe@gmail.com)

Contact Nos.

020-25533638/648

Name of the Head of the Institution

Prof. Dr.(Mrs.) K.R. Joshi

Tel. No. with STD Code:

020-25533638

Mobile

9011070917

Name of the IQAC Co-ordinator

Prof. Dr. (Ms.) M.V. Arjunwadkar

Mobile

9960611275

IQAC e-mail address

iqac@moderncoe.edu.in

1.3. NAAC Track ID (For ex. MHCOGN 18879): 10410

1.4. Website address:

<http://www.moderncoe.edu.in>

Web-link of the AQAR:

<http://www.moderncoe.edu.in/IQAC/AQAR201314.doc>

For ex. <http://www.ladykeanecollege.edu.in/AQAR201213.doc>

1.5. Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 st Cycle	B	2.45	2011	5yrs
2	2 nd Cycle	Nil	Nil	Nil	Nil
3	3 rd Cycle	Nil	Nil	Nil	Nil
4	4 th Cycle	Nil	Nil	Nil	Nil

1.6. Date of Establishment of IQAC :

1.7. AQAR for the year (for example 2010-11)

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

i. AQAR 2011-12 submitted to NAAC (On-line) on 10/09/2012

ii. AQAR 2012-13 submitted to NAAC (On-line) on 23/12/2013

1.9. 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 ☒

1.10. 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)

University of Pune

1.12. 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-FIST

-

UGC-Innovative PG programmes

-

Any other (Specify)

-

UGC-COP Programmes

-

2. IQAC Composition and Activities

2.1. No. of Teachers

12

2.2. No. of Administrative/Technical staff

1

2.3. No. of students

0

2.4. No. of Management representatives

1

2.5. No. of Alumni

1

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

18

2.10. No. of IQAC meetings held

2

2.11. No. of meetings with various stakeholders:

No.

Faculty

Non-Teaching Staff Students

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. International National State Institution Level

(ii) Themes

- To improve Teaching Learning Process
- Skill building
- Soft skill and personality Development
- New Technology

2.14. Significant Activities and contributions made by IQAC

- Implementation of ICT in academic and administrative activities
- Continuous evaluation and enhancement of academic planning and monitoring activities
- Arranged motivational lectures series for staff and students
- Submitted proposal for quality improvement schemes to AICTE and organized AICTE sponsored Seminar successfully

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
To organize Seminars/Workshops/Conferences	“ Impact of ICT on teaching learning Process” AICTE sponsored Seminar
	sponsored by BCUD, University of Pune National Level -2 State Level - 4
	sponsored by College Local Level -29
To conduct Skill building Programs for staff (Teaching and Non teaching) and students	For staff: 3 For student: 2
To Submit research proposals	No. of research proposals submitted to AICTE under AQIS - 4

To Encourage faculties to publish/present research papers	No. of research papers Published/presented - 61
To Create awareness among the students about Entrepreneurship	Various entrepreneurship orientation programs were organized

2.16. Whether the AQAR was placed in statutory body

Yes ☒ No ☐
Management ☒ Syndicate ☐ Any other body ☐

Provide the details of the action taken

- The progress of the college was found to be satisfactory.
- Advice given to rectify the inadequacies for the forthcoming academic year.
- Approved Planner for staff and student activities

Part – B

Criterion – I

I. 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	4	Nil	4	Nil
PG	6	Nil	6	Nil
UG	5	Nil	5	Nil
PG Diploma	Nil	Nil	Nil	Nil
Advanced Diploma	Nil	Nil	Nil	Nil
Diploma	Nil	Nil	Nil	Nil
Certificate	Nil	Nil	Nil	Nil
Others	Nil	Nil	Nil	Nil
Total	15	0	15	0
Interdisciplinary	Nil	Nil	Nil	Nil
Innovative	Nil		Nil	Nil

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

(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	11
Trimester	0
Annual	0

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*

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

- The syllabus revision was done by University of Pune for the following courses:
 - Second Year Engineering
 - MCA (Engineering)
 - MBA
- Implemented Choice Based Credit System for all P.G. courses.

- In the revised syllabus, analytical approach is given greater emphasis e.g., simulation design
- Encouraged the usage of open source software
- Included additional electives as per Industry requirements for employability

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

Nil

Criterion – II

2. Teaching, Learning and Evaluation

2.1. Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
112	89	19	04	0
*On Roll (including adohe) = 199				

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

09

*including Adhoc- 11

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
175	0	19	25	05	11	-	-	119	36

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

0

45

87

2.5. Faculty participation in conferences and symposia

No. of Faculty	International level	National level	State level
Attended	13	7	-
Presented papers	13	7	-
Resource Persons	-	-	-

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

- Usage of ICT was promoted
- Online student registration system was launched
- Industrial visits were organised
- Lectures of Industry experts were organised
- Use of SMS, e-mails, group mails used for faster communication was encouraged

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

170

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

- As per University policy the College authority has appointed College Examination Officer who will monitor all the internal and external examinations. Mid-term tests, Class tests, MCQ tests, open book tests have been conducted in respective departments. A Continuous Assessment has been done for theory and practical subjects.

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

-

25

10

2.10. Average percentage of attendance of students

80

2.11. Course/Programme wise distribution of pass percentage

Title of the Programme	Total no. of students appeared	Division				
		Distinction %	I %	II %	III %	Pass %
E&TC Engg	132	37	69	17	-	93.18
Computer Engg	61	10	32	15	-	93.44
Mechanical Engg	136	56	52	22	-	95.59
Electrical Engg.	63	28	23	05	-	88.89
IT. Engg.	53	12	22	13	-	88.68
MCA	55	29	17	6	-	98.18
MBA	107	0	50	41	-	80.54

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

- Regular meetings of Academic Planning Committee, HODs, and GFM are conducted for follow-up about timely syllabus completion, student attendance, defaulters etc.
- Theory and Lab sessions are evaluated through continuous assessment
- Defaulter list of the students is monitored and discussion is held with their parents
- Evaluation through Mid-term test, class test, open book test, MCQ tests

2.13. Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	12
UGC – Faculty Improvement Programme	64
HRD programmes	21
Orientation programmes	41
Faculty exchange programme	03
Staff training conducted by the university	19
Staff training conducted by other institutions	17
Summer / Winter schools, Workshops, etc.	29
Others	07

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	12	0	06	23
Technical Staff	10	0	06	15

Criterion – III

3. Research, Consultancy and Extension

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

- Seminars/workshops/conferences on various topics are organized
- Staff members and students are encouraged to publish/present research papers
- Various research proposals are submitted to different funding agencies
- Students are motivated for In-house development of small projects
- E-resources are provided to the staff members and students

3.2. Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	01	01	01	-
Outlay in Rs. Lakhs	2	2.5	10.5	-

3.3. Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	40	-	-	-
Outlay in Rs. Lakhs	8	-	--	-

3.4. Details on research publications

	International	National	Others
Peer Review Journals	30	15	02
Non-Peer Review Journals	-	-	-
e-Journals	05	-	-
Conference proceedings	13	13	-

3.5. Details on Impact factor of publications:

Range Average h-index Nos. in SCOPUS

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

Nature of the Project	Duration Year	Name of the funding Agency	Total grant sanctioned	Received
Major projects	2013	BCUD	10.5 Lakhs	In-process
Minor Projects	Nil	Nil	Nil	Nil
Interdisciplinary Projects	Nil	Nil	Nil	Nil
Industry sponsored	2013	*	3 Lakhs	Nil
Projects sponsored by the University/ College	Nil	Nil	Nil	Nil
Students research projects (other than compulsory by the University)	Nil	Nil	Nil	Nil
Any other(Specify)	Nil	Nil	Nil	Nil
Total	-	-	10.5	-

- Industry Sponsored

1.	Unity Gauge & tool Pvt Ltd. Pune
2.	DRDO Pune
3.	ZF Steering Gear India , Pvt Ltd. Pune
4.	Yash Systems Mfg Pvt Ltd. Pune
5.	JKC Automobile Engineers Pune
6.	TATA Motors Pvt Ltd. Pune
7.	Datar Engineering Pvt Ltd. Pune
8.	Keihin Fie Pvt Ltd. Pune
9.	Excellent Pvt Ltd. Pune
10.	Morde Pvt Ltd. Pune
11.	Patil Machine Works Pvt Ltd. Pune
12.	SS Engineering & Mfg Pune
13.	Jai Bhavani Mata Industries Pune
14.	Caleo Engg. Company ,Pune

3.7. No. of books published i) With ISBN No. Chapters in Edited Books
 ii) Without ISBN No.

3.8. No. of University Departments receiving funds from

UGC-SAP CAS DST-FIST
 DPE DBT Scheme/funds
3.9. For colleges Autonomy CPE DBT Star Scheme
 INSPIRE CE Any Other (specify)

3.10. Revenue generated through consultancy

3.11. No. of conferences organized by the Institution

Level	International	National	State	University	College
Number	Nil	3	4	01	21
Sponsoring agencies		AICTE Delhi , BCUD University of Pune	BCUD University of Pune, SAE BAJA	University of Pune	College Management

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

3.13. No. of collaborations International National Any other

3.14. No. of linkages created during this year

3.15. Total budget for research for current year in lakhs

From Funding agency From Management of University/College
 Total

3.16. No. of patents received this year

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

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

Total	International	National	State	University	Dist	College
3	Nil	Nil	Nil	3	Nil	Nil

3.18. No. of faculty from the Institution who are Ph. D. Guides and students registered under them**3.19. No. of Ph.D. awarded by faculty from the Institution****3.20. No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones)**

JRF SRF Project Fellows Any other

3.21. No. of students Participated in NSS events:

University level State level
 National level International level

3.22. No. of students participated in NCC events:

University level State level
 National level International level

3.23. No. of Awards won in NSS:

University level State level
 National level International level

3.24. No. of Awards won in NCC:

University level	Nil	State level	Nil
National level	Nil	International level	Nil

3.25. No. of Extension activities organized

University forum	01	College forum	12
NCC	Nil	NSS	12
		Any other	7

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

Institutional Level activities

a) NSS :

- Cleanliness camp at the Chaturshringi temple
- I-Vote Campaign
- Campaign for awareness about **HIV/AIDS to help** Manavya organization

b) Karmanya

- Publication of the college annual magazine 'Karmanya'
- Interviews of renowned people in different fields like Mrs. Lila Poonawala
- 2 PUC Camps on 22nd July 2013 and 22nd Jan 2014 under the social activity week
- Blood Donation and Pancard Camp in Aug and Sep 2013.

c) Vidyarathi Kalyan Manch

- Organized "Women Rights Awareness" program on 3rd Jan 2014
- Organized Soft Skills workshop with special Focus on "Communications Skills- Verbal and Non Verbal" program from 6th January 2014 to 15th January 2014 for 7 days.
- Karmavir Bhaurao Patil "Kamava Ani Shika Yojana" (Earn and Learn scheme)

d) "M-Pulse"

- 'M-Pulse' is the annual National level Techno-Management event of College.
- Nearly 50 technical events are organized during the fest
- National level technical and non-technical workshops for which faculty and industrialists from leading organizations are invited as facilitators
- Organized 'Pulsathon 2014 – The Charity Run' on 9th Feb. 2014
- Encouraged Traffic Awareness in the young generation.

Department Level

- Visit organised at NDA Khadakvasala for SE and TE students
- Sessions of Communication Skills and Personality development were conducted in E&TC department for students by the Alumni.
- Organized Project Exhibitions in which the TE and BE students participated
- Workshop on Information Security and cyber Forensics was organised by Computer department from 24th and 25th July 2013.
- Arranged workshops on Latex by Computer department on 23rd and 24th August 2013
- Organized Cleanliness Camp at People's Education Society's English medium school, by Electrical department.

- Organized a riverside cleanup drive in association with the "Ocean Savers India" and the Pune Municipal Corporation
- Organized Social Activity under GUDBRO organisation which works for various different NGO's to provide help to the orphanages
- Seminar organized by Electrical department on “Career Opportunities in Illumination”
- Organized a Social Awareness for “Electrical Safety Precautions” and Renewable Energy Resources” by Electrical department

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	10.7	Nil	College	10.7
Class rooms	38	01	College	39
Laboratories	59	01	College	60
Seminar Halls	09	Nil	College	09
No. of important equipments purchased ($\geq$ 1-0 lakh) during the current year.				
Value of the equipment purchased during the year (Rs. in Lakhs)				
Others	Auditorium			

4.2. Computerization of administration and library

- Used Management Information System (MIS) software for Admission.
- Implemented Biometric attendance system for staff
- Used Financial accounting software
- Deployed a library management system to handle basic housekeeping functions of library such as cataloguing, On-line Public Access Catalogue (OPAC) and circulation.
- Implemented barcode system for quick and error free entry of books
- Installed Video surveillance and security cameras in the library to protect large areas of space and allow librarians and staff to immediately check in on concerns.

4.3. Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	33769	2,46,68,674	6313	23,31,325	40082	270,00,000
Reference Books	1980	1,24,27,692	62	2,65,238	2042	1,26,92,930
e-Books						
Journals			149	3,52,905		3,52,905
e-Journals	J-gate	9,49,574	J-gate	9,49,574	-	9,49,574
	Elsevier		Elsevier			
	IEEE-ASPP		IEEE-ASPP			
	DELNET		DELNET			
Digital Database						
CD & Video	1400	-	173	-	1573	-
Others (specify)	Membership	-	Membership	-		82,800
	ACM		ACM			
	ARAI		ARAI			

	Ashare ASME CSI ISHARE SAE Jayakar Library British Lib.		Ashare ASME CSI ISHARE SAE Jayakar Library British Lib			
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4.4. Technology up gradation (overall)

	Total Computers	Comp Labs	Internet	Browsing Centres	Computer Centres	Office	Dept	Others
Existing	980		10 MBPS leased line (Tata Communication) & 4 MBPS leased line (Reliance)	01	01	15	925	40
Added	150		34 MBPS leased line (Tata Communication) 10 MBPS leased line (Reliance)	-	-	5	145	-
Total	1130		44 MBPS leased line	01	01	20	1070	40

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

- Internet details : 44 MBPS leased line & without any Deficiency
- Total No. of Computers available: 1130

4.6. Amount spent on maintenance in lakhs :

i) ICT	87440
ii) Campus Infrastructure and facilities	3.40.43.545
iii) Equipments	16,33,978
iv) Others	-
Total :	3,57,64,963

Criterion – V

5. Student Support and Progression

5.1. Contribution of IQAC in enhancing awareness about Student Support Services

- Established Single Window service approach to issuing different certificates like bona fide, No objection Certificates, Leaving certificates, transcripts for the convenience of students.
- Used SMS, e-mails, group mails, and social media software to communicate with students and parents about attendance, extra lectures, holidays, examination schedules etc.
- Implemented Earn and Learn scheme for needy students. Needy students are selected after interviewing the applicants.
- Provided Fee instalment facility to deserving candidates to prevent drop out.
 - Health centre facility for students
 - Arranged various awareness programs for students by Grievance Redressal Committee, Anti-Ragging Committee and squad.
 - Organized Skill and Personality Development programs for students.
 - Arranged various industrial visits for the students and staff to enhance practical knowledge.

5.2. Efforts made by the institution for tracking the progression

- Discussion at regular intervals on student progress, attendance monitoring in the regular meetings of HoDs, GFM and Academic planning committee members.
- Preparation of planner for academics, tests, co-curricular, extra-curricular and social activities in advance.
- Arranged remedial classes for weak and slow learners.
- Conducted regular feedback from the students regarding teaching and remedial actions was taken by higher authorities.

5.3. (a) Total Number of students

UG	PG	Ph. D.	Others
2119	608	Nil	Nil

(b) No. of students outside the state

87

(c) No. of international students

Nil

	No	%		No	%
Men	1863	68.32	Women	864	31.68

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
1661	256	46	460	04	2422	Merit List Not yet Approved by DTE, Maharashtra					

Dropout % -

1%

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

- Arranged seminars under student activity session to provide information related to Post Graduate courses such as MS, MBA etc. to study abroad.
- Conducted seminars on preparation of management exams such as GMAT, CAT etc and admission counselling for eligible students
- Assisted the students by conducting Mock GATE exams
- Arranged lectures and workshops from various student organizations to create awareness about preparation for competitive exams such as GATE, GRE, NET, SET

No. of students beneficiaries

650

5.5. No. of students qualified in these examinations

NET

2

SET/SLET

Nil

GATE

27

CAT

4

IAS/IPS etc

Nil

State PSC

Nil

UPSC

1

Others

9

5.6. Details of student counselling and career guidance**Counselling**

- Counselling is done under Guardian Faculty Member (GFM) scheme with an objective for overall development of students. Through it :
- The progress of the students at a personal level is monitored.
- Meetings with the parents is organised as and when required.
- Personal counselling on problems related to lack of confidence is provided.
- Counselling regarding personality development and communication skills is provided so that our students excel in their placements.

Career guidance

- Provided Career counselling regarding the choice of a career based on the aptitude and competence of the individual and information about job availability
- Guided and helped students by internal as well as expert from industry on various aspects such as:
 - Personality Development
 - Career Goal
 - Higher studies
 - Management studies
 - Internships and workshops
 - Placement

No. of students benefitted

290

5.7. Details of campus placement

<i>On campus</i>			<i>Off Campus</i>
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
97	683	73	100

5.8. Details of gender sensitization programmes

- Lecture on “Women Rights Awareness” by Mrs. Joshi, Principal of ILS College, was organized for girl students and lady faculty members.
- Lecture on “Safety Awareness and their Rights” by Mrs. Seema Mehendale, Police Inspector Crime Branch was organized for the students.
- Organised 10 days workshop on “Self Defence Training Program for Girl students”

5.9. Students Activities

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

Sports : State/ University level National level International level

No. of students participated in cultural events

Cultural: State/ University level National level International level

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

Sports : State/ University level National level International level

Cultural: State/ University level National level International level

5.10. Scholarships and Financial Support

	Number of students	Amount
Financial support from institution	00	00
Financial support from government	1424	70,436,953
Financial support from other sources	4	8000
Number of students who received International/ National recognitions	Nil	Nil

5.11. Student organised / initiated

Fairs : State/ University level National level International level

Exhibition: State/ University level National level International level

No. of social initiatives undertaken by the students

5.12. 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 develop and nurture technologically skilled and high quality manpower by imparting quality technical education through challenging academic programs to meet industrial and economic needs of the country thus, becoming a major source of technology and technological services in the era of burgeoning competition.”
- **Mission statement:** “To provide excellent education opportunities in a dynamic learning environment to bring out well cultured and promising professionals in the conventional and emerging technologies”.

6.2. Does the Institution has a management Information System

- Yes, Management Information System (MIS) is used for academic and administrative activities.

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

6.3.1. Curriculum Development

- Allocation of Subjects as per specialization of teachers
- Arranged Lectures by Industry Experts and prominent academicians
- Interaction with alumni, corporate, visiting faculties

6.3.2. Teaching and Learning

- Preparation of Teaching plans , Lab manuals by faculties
- Faculty Development Programs(FDP) Conducted / Attended by faculties
- Organized Quality Improvement Programs like seminars, workshops for faculties and students
- Executed Academic planning and monitoring activity
- Academic record booklet maintained by faculties

6.3.3. Examination and Evaluation

- Used Continuous Assessment for theory and practical subjects
- Arranged extra lectures for weak students
- Appointed University College Examination Officer (CEO) to ensure smooth conduct of exams
- The College is a centre for Centralized Assessment Program for FE Engg.

6.3.4. Research and Development

- Received sanction for minor research projects by BCUD, University of Pune
- Appointed Academic Research Coordinator (ARC) for smooth conduct of research activities
- Financial support has been given to faculties to present/ publish research papers.

6.3.5. Library, ICT and physical infrastructure / instrumentation

- Laboratories and Library were regularly updated by new Equipments, books and Journals.
- Purchased ICT based instruments and computers those used in classrooms, Laboratories, Library and administrative activities.

- Adequate infrastructure is available
- Installed CC TV surveillance services in campus including Library
- Installed Biometric attendance system for staff

6.3.6. Human Resource Management

- Full time staff of the Institute is approved by the University of Pune after interview conducted by University interview panel.
- Faculties are encouraged to participate in different activities like conferences, seminars, workshops at local, state, national, international levels organized by department which are funded by AICTE, University and other funding agencies.
- The Institute also sponsors the faculties for conferences, seminars, workshops at local, state, national, international levels organized by other institutes.
- Feedback is taken from students regarding faculties.
- Each faculty fills self-appraisal form by giving details of teaching, result of subjects taught, department level and college level activities coordinated and participated, consultancy, research etc. Head of the Department also appraises the faculty, after which the Principal reviews it.

6.3.7. Faculty and Staff recruitment

- Transparent recruitment procedure
- All posts of teaching staff are widely advertised with details of required qualifications as per AICTE and Government norms after verification of Roster from University.
- The advertisement is published in local, regional and national newspaper.
- The advertisement is also published on the Institute website along with application form.
- If in the middle of the term, a few vacancies in teaching staff are created, the Institute Level committee constituted by Management interviews the candidates to fill those positions.
- After that, a demo lecture is arranged for candidates selected in the first round.
- If the demo lecture is satisfactory, the candidate is selected for the said vacant post.

6.3.8. Industry Interaction / Collaboration

- Industry Experts Lectures are regularly arranged for the students.
- In Technical Event M-Pulse Industry interaction is involved in terms of Sponsorships, Judges and experts for different events.
- Industry Interaction is also done through Alumni.
- The Engineering Students have received sponsorship for their last year Projects. MCA students have worked in entire last semester in industry. Summer Projects for MBA students are sponsored by industry.

6.3.9. Admission of Students

- As Per the guidelines given by AICTE, DTE Maharashtra and University of Pune.

6.4. Welfare schemes for

Teaching	• Concession for attending seminars /workshops / conferences, • Funding is given for publishing or presenting research papers • Accident Insurance • Fee concession for staff ward
Non teaching	• Accident Insurance • Fee concession for staff ward
Students	• Accident Insurance • Fee concession or instalment facility for needy students

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) has been done?

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

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?

- As per the guidelines given by the University of Pune College Examiner Officer (CEO) has been appointed

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

- Not applicable

6.11. Activities and support from the Alumni Association

- Alumni help in training and placement activities. They are regularly contributing various other activities like visiting faculty, Judges of various activities, Guest lecturers for seminars, workshops and conferences and share their knowledge.

6.12. Activities and support from the Parent – Teacher Association

- Parent – teacher meetings have been arranged periodically on department level as well as centrally. Student attendance and progress has been discussed in these meetings.
- In spite of those meetings parents can meet Principal, HoDs, GFM and teachers with prior appointment.

6.13. Development programmes for support staff

- Support staff has been deputed for various training programs organized by university.

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

- The institute does the Energy audit periodically by BEE (Bureau of Energy Efficiency) approved energy auditors. For this the institute received subsidy by MEDA (Maharashtra Energy Development Association). In energy audit carbon dioxide emission has been calculated. The Institute at its own level has taken up certain preventive measures to check the emission of carbon dioxide. Our students are regularly checked for pollution control by arranging PUC camp inside the institute campus. Along with The Institute authority takes initiative to use LED street lights, CFL common lighting inside the institute campus for energy conservation. The Trees are planted in the Institute campus. The Institute authority has initiated Hazardous waste management and e-waste management.

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.
- Academic Planning committee has been formed which is actively participated in existing students admission and registration, attendance monitoring of students, meetings with defaulter students and their parents, perform audit of Academic Record booklet.
 - On-Line Admission of existing students and their registration software which is developed by our students is used for automation and creating different MIS reports.
 - Skill Developments and Personality Development lecture series has been arranged for students.
 - New schemes for Library have been introduced like book bank, Extra two books facility on the maximum use of library books etc
 - The institute does the Energy audit periodically by BEE (Buero of Energy Efficiency) approved energy auditors. For this the institute received subsidy by MEDA (Maharashtre Energy Development Association)
- 7.2. Provide the Action Taken Report (ATR) based on the plan of action decided upon at the beginning of the year
- For smooth conduction of academics academic planning committee is reformed
 - On-Line Software is developed in-house and used for admission and registration of existing students.
 - Library advisory committee is reformed in which Principal is the Chairman of the committee. Member of the committee are the staff representatives of each department.
 - Skill development and Personality development lecture series is arranged for students.
 - AICTE sponsored faculty Development Program(FDP) 'Impact of Information and Communication(ICT) in teaching Learning Process is conducted between 19th August 2013 to 30th august 2013.
- 7.3. Give two Best Practices of the institution (*please see the format in the NAAC Self-study Manuals*)
- 1 Title of the Practice:**
- Academic planning and auditing for academics improvement.
 - Continuous training sessions for students
- 2 Goal:**
- Academic planning and auditing for academic improvement:
 - To plan and monitor teaching learning process.
 - Continuous Training sessions for students:
 - To train students not only for placement but to enhance their lifeskills.
- 3 The Context**
- Academic planning and auditing for academics improvement:
 - Academic planning committee actively participates in all the activities from the students' registration for each term till the end of term. Academic record booklet is maintained by each teaching staff. This booklet contains staff time table, class time table, teaching plan, conducted lectures, student attendance etc. This committee also conducts internal audit regularly to monitor syllabus completion and attendance of students. Analysis of issues is done and

remedial actions are discussed periodically in the meetings of HoDs, staff and committee members. It helps continuous assessment of students in both theory and practical subjects.

- Continuous Training sessions for students:
 - Training sessions about skill development and personality development are conducted regularly for students to improve their confidence level. These sessions have been the key factor in boosting the verbal and written communication skill and their overall personality.

4 The Practice

- Academic planning and auditing for academics improvement:
 - This year, at the end of each month, meetings were arranged with the parents of defaulter students. Monthly monitoring of syllabus execution was discussed in the department meetings. HoDs and concerned staff members planned extra lectures to complete the syllabus.
- Continuous Training sessions for students:
 - Eminent and expert lectures were arranged for students at departmental as well as the College level.

5 Evidence of Success

- Academic planning and auditing for academics improvement:
 - Improvement in attendance of students as a result number of defaulter students reduced.
 - Overall improvement in the result of the students.
- Continuous Training sessions for students:
 - Overall improvement in students' communication skills and personality

6 Problems Encountered and Resources Required

- In addition to rigorous planning and auditing of academics and skill development sessions, automation of planning is needed. The College is broadly exploring the methods and formats for automation of those activities.

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

7.4. Contribution to environmental awareness / protection

The institute does the Energy audit periodically by BEE (Buero of Energy Efficiency) approved energy auditors. For this the institute received subsidy by MEDA (Maharashtrre Energy Development Association)

- **Energy conservation**

The Institute authority takes initiative to use LED street lights, CFL common lighting inside the institute campus for energy conservation. All the students and staff are advised to switch off all the electrical utilities whenever and wherever they are not required. The Institute building is in L-shaped and is fitted with glass windows for maximum utilization of natural light. Almost all Class rooms in the institute are well-ventilated and well lighted that they hardly need any artificial lighting.

- **Use of renewable energy**

A 2kW Solar photo voltaic for UPS charging for seminar hall is in Process. One of our faculties Mr. Ramnani, Assistant Professor in Mechanical Department received funding from BCUD, Pune for this project.

- **Efforts for Carbon neutrality**

In energy audit carbon dioxide emission has been calculated. The Institute at its own level has taken up certain preventive measures to check the emission of carbon dioxide. Our students are regularly checked for pollution control by arranging PUC camp inside the institute campus. Care is taken to restrict vehicle entry into the campus and specific parking area is allotted for faculty and students. The institute restricted the usage of plastic bags in the campus.

- **Plantation**

The Trees are planted in the Institute campus. The NSS unit of the Institute has been taken up Plantation programme in which students and faculties are also participated for increasing the Green Cover in the village Mulshi, Pune. Under the community Development program faculties and students are participated in Tree Plantation programme which is taken up on the ARAI hill of Pune city.

- **Hazardous waste management**

The Institute authority has initiated Awareness programme on waste management. The Institute has tie up with the Pune Municipal Corporation for the disposal of wastage of different types. All Hazardous waste is separated inside the campus which is collected by Pune Municipal Corporation

- **e-waste management**

The Institute authority has initiated Awareness programme on waste management also. All the e-waste material/products are stored in the safe room after the scrap process of the Institute. The obsolete computers or products are donated to the agencies, schools where those can be used. The non-working computer spare parts and other non-working equipments are safely disposed outside through the different agencies. The cartridge/tonners of printers are refilled outside the Institute campus through vendor instead of throwing the empty cartridge/tonners.

7.5. **Whether environmental audit was conducted?** Yes ☐ No ☒

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

Strength

- NAAC accredited
- Regularly conducted student centric programs through different student associations and/or the College.

Weakness

- It being a self financing institute few funding options are available.
- Limited international linkages or collaborations
- Contribution in the area of consultancy is limited.

Opportunity

- It has a major advantage of being centrally located.
- The supportive Management which always encourages to take innovative steps for the benefit of the students

Threat

- The competition has increased because of many institutes coming up.
- Retention of the staff

8. Plans of institution for next year

- To start digitization of students' documents, build up data related to administration and academic activities through Data center
- Centralize computer resources for optimum utilization of Computer Labs
- To arrange environmental awareness and green audit program
- To conduct Life skills management programs for students
- To conduct International Seminar/conference/workshop
- Organize different activities through Entrepreneur Development Cell
- Participate as Remote Center in programs like Eklavya
- Submit proposals to different funding agencies for funds for seminars and development
- Plan and arrange AAA
- To start ISTE chapters

Name Prof. Dr. (Ms.) Maithili Arjunwadkar

Name Prof.Dr.(Mrs.) Kalyani Joshi

Signature of the Coordinator, IQAC

Signature of the Chairperson, IQAC
