

# Annual Quality Assurance Report

(AQAR) Academic Year 2017-18

## Ashokrao Mane Group of Institutions

Vathar Tarf Vadgaon

EC (SC) / 06 / A & A / 076 – 2015



राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद्

विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान

**Submitted to**

**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

## Contents

	Page Nos.
1. Introduction	..... 4
2. Objective	..... 4
3. Strategies	..... 4
4. Functions	..... 5
5. Benefits	..... 5
6. <i>Composition of the IQAC</i>	..... 5
7. The role of coordinator	..... 6
8. Operational Features of the IQAC	..... 6
9. Monitoring Mechanism	..... 7
10. Mandatory submission of AQAR by NAAC	..... 7
11. The Annual Quality Assurance Report (AQAR) of the IQAC	..... 8
<b>Part – A</b>	
11. Details of the Institution	..... 9
12. IQAC Composition and Activities	..... 12
<b>Part – B</b>	
13. Criterion – I: Curricular Aspects	..... 14
14. Criterion – II: Teaching, Learning and Evaluation	..... 15
15. Criterion – III: Research, Consultancy and Extension	..... 17
16. Criterion – IV: Infrastructure and Learning Resources	..... 20
17. Criterion – V: Student Support and Progression	..... 22
18. Criterion – VI: Governance, Leadership and Management	..... 24
19. Criterion – VII: Innovations and Best Practices	..... 27
20. Abbreviations	..... 29

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

## **Introduction**

In pursuance of its Action Plan for performance evaluation, assessment and accreditation and quality up-gradation of institutions of higher education, the National Assessment and Accreditation Council (NAAC), Bangalore proposes that every accredited institution should establish an Internal Quality Assurance Cell (IQAC) as a post-accreditation quality sustenance measure. Since quality enhancement is a continuous process, the IQAC will become a part of the institution's system and work towards realisation of the goals of quality enhancement and sustenance. The prime task of the IQAC is to develop a system for conscious, consistent and catalytic improvement in the overall performance of institutions. For this, during the post-accreditation period, it will channelize all efforts and measures of the institution towards promoting its holistic academic excellence.

The guidelines provided in the following pages will guide and facilitate the institution in the creation and operation of the Internal Quality Assurance Cell (IQAC). The work of the IQAC is the first step towards internalization and institutionalization of quality enhancement initiatives. Its success depends upon the sense of belongingness and participation it can inculcate in all the constituents of the institution. It will not be yet another hierarchical structure or a record-keeping exercise in the institution. It will be a facilitative and participative voluntary system/unit/organ of the institution. It has the potential to become a vehicle for ushering in quality enhancement by working out planned interventionist strategies to remove deficiencies and enhance quality like the "Quality Circles" in industries.

## **Objective**

*The primary aim of IQAC is*

- To develop a system for conscious, consistent and catalytic action to improve the academic and administrative performance of the institution.
- To promote measures for institutional functioning towards quality enhancement through internalization of quality culture and institutionalization of best practices.

## **Strategies**

*IQAC shall evolve mechanisms and procedures for*

- a) Ensuring timely, efficient and progressive performance of academic, administrative and financial tasks;
- b) The relevance and quality of academic and research programmes;
- c) Equitable access to and affordability of academic programmes for various sections of society;
- d) Optimization and integration of modern methods of teaching and learning;

- e) The credibility of evaluation procedures;
- f) Ensuring the adequacy, maintenance and proper allocation of support structure and services;
- g) Sharing of research findings and networking with other institutions in India and abroad.

## **Functions**

*Some of the functions expected of the IQAC are:*

- a) Development and application of quality benchmarks/parameters for various academic and administrative activities of the institution;
- b) Facilitating the creation of a learner-centric environment conducive to quality education and faculty maturation to adopt the required knowledge and technology for participatory teaching and learning process;
- c) Arrangement for feedback response from students, parents and other stakeholders on quality-related institutional processes;
- d) Dissemination of information on various quality parameters of higher education;
- e) Organization of inter and intra institutional workshops, seminars on quality related themes and promotion of quality circles;
- f) Documentation of the various programmes/activities leading to quality improvement;
- g) Acting as a nodal agency of the Institution for coordinating quality-related activities, including adoption and dissemination of best practices;
- h) Development and maintenance of institutional database through MIS for the purpose of maintaining /enhancing the institutional quality;
- i) Development of Quality Culture in the institution;
- j) Preparation of the Annual Quality Assurance Report (AQAR) as per guidelines and parameters of NAAC, to be submitted to NAAC.

## **Benefits**

*IQAC will facilitate / contribute*

- a) Ensure heightened level of clarity and focus in institutional functioning towards quality enhancement;
- b) Ensure internalization of the quality culture;
- b) Ensure enhancement and coordination among various activities of the institution and institutionalize all good practices;
- c) Provide a sound basis for decision-making to improve institutional functioning;
- d) Act as a dynamic system for quality changes in HEIs;
- e) Build an organised methodology of documentation and internal communication.

# 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

### I. Details of the Institution

1.1 Name of the Institution

ASHOKRAO MANE GROUP OF INSTITUTIONS, VATHAR

1.2 Address Line 1

VATHAR TARF VADGAON, TEHSIL: HATKANANGALE, DIST:  
KOLHAPUR

Address Line 2

--

City/Town

VATHAR TARF VADGAON

State

MAHARASHTRA

Pin Code

416112

Institution e-mail address

BMSPMCAMPUS@GMAIL.COM

Contact Nos.

0230 240 77 40 / 50 /60

Name of the Head of the Institution:

Dr. D.N.MUDGAL

Tel. No. with STD Code:

0230 240 77 40

Mobile:

9923259000

Name of the IQAC Co-ordinator:

Dr. D.S.BHOSALE

Mobile:

9923688777

IQAC e-mail address:

dsb@amgoi.edu.in

1.3 NAAC Track ID (For ex. MHCOGN 18879)

MHCOGN21246

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)/06/A&A/076

1.5 Website address:

HTTP://WWW.AMGOI.ORG

Web-link of the AQAR:

HTTP://WWW.AMGOI.ORG/IQAC/AQAR2017-18.PDF

For ex. <http://www.ladykeanecollege.edu.in/AQAR2012-13.doc>

1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 <sup>st</sup> Cycle	A	3.08	2015	2020
2	2 <sup>nd</sup> Cycle	Not Applicable			
3	3 <sup>rd</sup> Cycle				

1.7 Date of Establishment of IQAC :

DD/MM/YYYY

02/01/2013

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 2010-11 submitted to NAAC on 12-10-2011))

- i. AQAR \_AQAR 2015-16 Submitted to NAAC on \_\_ (01/02/2017)  
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 Colleges)

DBATU LONERE AND SHIVAJI  
UNIVERSITY, KOLHAPUR

Autonomy by State/Central Govt. / University	NA		
University with Potential for Excellence	NA	UGC-CPE	NA
DST Star Scheme	NA	UGC-CE	NA
UGC-Special Assistance Programme	NA	DST-FIST	NA
UGC-Innovative PG programmes	NA	Any other ( <i>Specify</i> )	Approved by AICTE & Affiliated to DBAT University, Lonere
UGC-COP Programmes	NA		

## **2. IQAC Composition and Activities**

2.1 No. of Teachers	14
2.2 No. of Administrative/Technical staff	2
2.3 No. of students	1
2.4 No. of Management representatives	2
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	3
2.9 Total No. of members	25
2.10 No. of IQAC meetings held	2
2.11 No. of meetings with various stakeholders:	No. <input type="text" value="2"/> Faculty <input type="text" value="2"/>



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

2.14 Significant Activities and contributions made by IQAC

The Internal Quality Assurance Cell (IQAC) of the college has taken initiatives in preparing the perspective plan by collecting inputs from all stakeholders, their expectations, management policies and goals and objectives of the college. Internal Quality Assurance Cell ensures the quality of the teaching-learning process and its outcome through internal audit conducted at regular intervals.

1. IQAC is constantly evaluating teaching learning process through feedbacks
2. Strengthening the campus placements process to provide job opportunities for the students
3. On timely basis upgradation of Lab Equipment to meet with the advanced technology across the departments
4. Encouraging Students for Industrial Visits to understand and to gain the knowledge of new concepts.
5. Supplementary encouragement is given to Students to participate in different events like Sports / NSS activities
6. Regular interaction with class representatives and HOD of each and every department for maintaining and sustaining quality education as directed by IQAC
7. University Rank Holders were felicitated with cash awards and mementoes

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
Proposal and plan to conduct National Level seminars, conferences, workshops, symposiums, FDP etc.,	National level conference, workshops, seminars, symposiums, FDP's were conducted across all the departments.
To perform regular Academic Audits during Semester	Under Director, regular academic audits were conducted to ensure the standing of syllabus completion, augmented syllabus, Internal Assessments, Seminars, Best Projects, Best Results etc.
Plan for Industrial Visit and Educational Tours	Visiting various industries for updating current scenario to students.
Research Activities	Faculty Members were encouraged to apply for research projects to various funding agencies and also they have monitored for the same.
More number of community activities to be initiated	Community activities initiated through NSS
Practices to reform and improve the student's success rate.	Various practices such as class test, question bank for slow learners and advanced learners, assignment, remedial classes
Sports and Cultural Activities	Students have actively participated in Sports and cultural activities in other Inter collegiate competitions. The Students have enlightened the college status by winning the various Competitions.
Arrangement for feedback response from students, parents and other stakeholders on quality related institutional processes	Preparing a review report on the feedback received from the stakeholders for continuous improvement

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

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

Provide the details of the action taken

The Management and IQAC members approved the Annual Quality Assurance Report (AQAR) after a detailed discussion. They also suggested to strengthen 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

### 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	-	-	-	-
PG	06	-	-	-
UG	05	-	-	--
Others	-	-	-	-
<b>Total</b>	11		-	
Interdisciplinary	-	-	-	-
Innovative	-	-	-	-

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

##### (ii) Pattern of programmes:

Pattern	Number of programmes
Semester	UG :05, PG: 06
Annual	-

#### 1.3 Feedback from stakeholders\* (On all aspects)

Alumni	<input checked="" type="checkbox"/>	Parents	<input checked="" type="checkbox"/>	Employers	<input checked="" type="checkbox"/>	Students	<input checked="" type="checkbox"/>
Mode of feedback	: Online	<input checked="" type="checkbox"/>	Manual	<input checked="" type="checkbox"/>	Co-operating schools (for PEI)	<input type="checkbox"/>	

*\*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.

NO
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#### 1.5 Any new Department/Centre introduced during the year. If yes, give details.

NO
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## Criterion – II

### 2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty	Total	Asst. Professors	Associate Professors	Professors	Others
	126	107	09	10	–

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
16	-	-	19	5	4	1	-	21	24

2.4 No. of Guest and Visiting faculty and Temporary faculty

08

04

-

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	17	08	00
Presented papers	34	08	00
Resource Persons	04	00	07

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

- Organising industrial visit every year
- Encouraging students for industry sponsored projects
- Encouraging students for development of research paper based projects
- Case studies
- Project work must be done in two domain hardware and software. Project work is compulsory to be published in journal
- To improve the practical knowledge . our Alumni student from various industries are called to share their views.
- Industrial visits are arranged per semester to improve the practical knowledge.
- Staff members are organising development programs for student where software like mat lab, pspice, Arduino, AutoCAD are taught to industrial standards.
- Expert lectures arrangement
- NPTEL video Lectures
- Industrial Visits
- Moodle at institute level
- Online feedback system of students
- Introduction of mini-project at second year level .

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

171

- 2.8 Examination/ Evaluation Reforms initiated by the Institution (for example: Open Book Examination, Bar Coding, Double Valuation, Photocopy, Online Multiple Choice Questions)
1. Examinations are conducted with answer booklets as per university norms and standards of the affiliating university.
  2. As per University rule answer booklets evaluated Double Valuations.
  3. Common evaluation is practiced for uniformity in valuation.
  4. Apart from two internal assessment examinations specified by affiliating university.
  5. End Examination Conducted Online Multiple Choice Questions for CSE and IT Department.
  6. Feedback mechanism is always practiced to ascertain the standards

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

10	05	04
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2.10 Average percentage of attendance of students

85%
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2.11 Course/Programme wise distribution of pass percentage : Academic Year 2017-18 only I-Semester

Title of the Programme	Total no. of students appeared	Division				
		Distinction %	I %	II %	III %	Pass %
B.E.,MECH I-Sem	250	9.20	34	48.0	08.4	99.6
B.E,ELE I-Sem	136	32.35	30.14	11.02	Nil	73.5
B.E. E&TC I-Sem	49	8.16	40.81	12.24	Nil	61.22
B.E.CSE I-Sem	124	46.77	22.58	15.32	Nil	84.67
B.E,CIVIL I -sem	85	22.35	27.06	37.65	4.12	95.3
M.B.A III Sem	29	00.0	44.83	44.83	-	89.66

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

- All the departments are having highly qualified and experienced faculty members with well-equipped and Modern Laboratories.
- Faculty members are preparing Lesson Plan as per the schedule prescribed by the Affiliated University (DBATU Lonere and Shivaji University, Kolhapur).
- The subjects have been allotted to the faculty who has Expert in particular course.
- Lab Manuals, Tutorial Note books, Question bank with answer and Study materials for slow learners are prepared by the faculty members which is effectively implemented to enhance the student's academic performance.
- All class rooms have a well-equipped with smart board and multimedia projectors.

- NPTEL Video Lectures and Real time Videos are shown to the students to enhance their technical knowledge.
- Guest Lectures, Industrial Visits, Seminars, Conferences, Short term training programs and workshops are regularly conducted in every academic year to equip students with recent advancement in technologies.
- Faculty members are encouraged to participate in FDP, Seminars, Conferences, Short term training programs and workshops to enhance their knowledge in current trends.
- Continuous and comprehensive evaluation process is followed with two internal examinations, end semester exam in each course. Complete transparency is a key feature of our evaluation system.
- Counselling and seminar programme conducted regular intervals.
- Extra-Curricular activities like Cultural, Sports, Annual function, Induction program and farewell functions are organized periodically.

### 2.13 Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	10
UGC – Faculty Improvement Programme	40
HRD programmes	40
Orientation programmes	42
Faculty exchange programme	40
Staff training conducted by the university	08
Staff training conducted by other institutions	18
Summer / Winter schools, Workshops, etc.	65
Others	04

### 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	62	13	7	6
Technical Staff	44	2	2	-

## Criterion – III

### 3. Research, Consultancy and Extension

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

A separate research & development cell is setup with doctorate faculty as in charge.

1. The cell motivates all faculty members of AMGOI to submit proposals to various funding agencies to carry out research projects and to organize sponsored events like seminar, Workshops, Conferences etc.
2. Initiation taken to promote interdisciplinary projects.
3. Quality publications is another way of evaluating the research atmosphere in an institution. Hence, the cell appreciates and insist the student and faculty for publication of their research findings in reputed conferences and journals.
4. Promotes research by motivating the ideas/innovation of faculty and students through filing of patent and subsequent publication of the same.
5. Financial assistance for paper publication and project competition

#### 3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	-	01	-	-
Outlay in Rs. Lakhs	-	21.8 lakh	-	-

#### 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	42	04	-
Non-Peer Review Journals	-	-	-
e-Journals	02	01	-
Conference proceedings	16	03	-

#### 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	2017-18	DBT	21.8 lakh	In Progress
Minor Projects	-	-	-	-
Interdisciplinary Projects	-	-	-	-
Students research projects <i>(other than compulsory by the University)</i>	-	-	-	-
Any other(Specify)	-	-	-	-
Total			21.8 lakh	

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	01	-	-	04	02
Sponsoring agencies	MHRD	-	-	SUK	-

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	02
	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
03	-	03	-	-	-	-

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

04

16

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   
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  State level   
National level  International level

3.25 No. of Extension activities organized

University forum  College forum   
NCC  NSS  Any other

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

Name of Activity programmes	Organizer any Collaborative	Venue of programme	Date / Period	Participants	Other Beneficiaries
21st June 2017 International Yoga Day	AMP, Vathar	AMGOI	21/06/2017	125	120
Inauguration and Interactive Session	-	AMGOI	09/08/2017	153	50
Sadbhavana Diwas		Ambapwadi	19/08/2017	140	203
Blood Donation Camp	Sanjeevan Blood Bank, Kolhapur	AMGOI	19/09/17	205	153
Tree Plantation	Department of Civil	AMGOI	29/07/17	56	102
Guest Lecture on "Information on First Aid"	V.Y.C.H.Medical college Kplhapur	AMGOI	18/09/17	85	135
NSS Special Residential camp	Under Shivaji University, Kolhapur	Ambapwadi	03/12/2017 to 09/12/2017	100	300

## 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	30351.42 Sq. Meters	-	Self	30351.42 Sq. Meters
Class rooms	26	-	Self	26
Laboratories	51	-	-	51
Seminar Halls	07	-	-	07
No. of important equipments purchased ( $\geq$ 1-0 lakh) during the current year.	66	02	Self	
Value of the equipment purchased during the year (Rs. in Lakhs)	169.68 Lakh	32.94 Lakh	Self	202.62 Lakh
Others	-	-	-	-

#### 4.2 Computerization of administration and library

- Online feedback system,
- Online examination,
- Central library management software –ERP & IP based access of online journals
- Our Library users access the resources through OPAC
- E- Resources available to access the e- resources through intranet
- Student centric administration software

#### 4.3 Library services:

	Existing		Newly added		Total	
	No.	Value in Rs. Lakhs	No.	Value In Rs. Lakhs	No.	Value In Rs. Lakhs
Text Books	23920	96.95	1164	8.55	25048	105.51
Reference Books	744	7.24	32	0.48	776	7.73
e-Books	1600	1.08	1600	1.08	1600	1.08
Journals	98	3.97	98	3.97	98	3.97
e-Journals	253	13.02	253	13.02	253	13.02
Digital Database	-	-	-	-	-	-
CD & Video	300	-	78	-	378	-
Others (specify)	Library Software					

#### 4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsin g Centres	Computer Centres	Office	Depart-ments	Others
Existing	650	22	80 Mbps	22	01	15	630	05
Added	-	-	-	-	-	-	-	-
Total	650	22	80 Mbps	22	01	15	630	05

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

- Internet Access: All the students and staff members of the institute can access internet with unlimited upload/ download and there is no limit on usage and bandwidth with download speed of 80 Mbps & upload speed of 80 Mbps.
- Lab access: Labs are open for all students during college hours 10:00 am to 5:00 pm
- Project work: Each department has their own computing facility for their faculty and students. Students can carry out their project work either from departmental lab or through CCF with proper internet facility and also GATE Software .
- CCF access: The institute has separate computer centre with internet browsing facility looked after by System Administrator. CCF centre is open for all students.
- LAN facilities: The College is having a well-connected Campus LAN which is a hybrid LAN in terms of wireless and wired connectivity. LAN having designed capacity of 100 Mbps. The total campus is Wi-Fi and is internally connected with wired LAN.
- Cyberoam: Cyberoam CRMS 100i Firewall as a UTM system is used. None of the user gets internet access without Cyberoam authentication. Also the users are prohibited from accessing unwanted websites.
- Incubation Centre: Incubation centre have eight incubates /start-up ventures
- Centre of Excellence – Artificial intelligence also available in campus.

## e- Governance

- The department of CSE has implemented MOODLE server for maintaining common documentation/ format & disseminated same through LAN.
- Online student feedback system is also implemented on MOODLE server to get simultaneous input data.
- The security of feedback system is managed by only system administrator.
- Training to staff for regular maintenance/up gradation & troubleshooting.

4.6 Amount spent on maintenance in lakhs:

i) ICT	0.53
ii) Campus Infrastructure and facilities	42.89
iii) Equipments	48.03
iv) Others	1.70
<b>Total:</b>	<b>93.15 Lakh</b>

## Criterion – V

### 5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

- Counselling and Monitoring system in place at program level
- Online Grievances redressal mechanism through concerned committee
- Special cell committee meetings for backward class student
- Leadership development by arranging programs through students associations

5.2 Efforts made by the institution for tracking the progression

- Attendance monitoring on weekly and monthly basis
- Continuous monitoring of Syllabus review
- Mid Semester Term work assessment
- Students University results are updated to parents via postal service
- Parents teacher meeting are conducted to the students those are very poor in academics
- Project assessment by departmental expert committee

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
1792	196	-	

(b) No. of students outside the state

2
---

(c) No. of international students

-
---

Men	No	%	Women	No	%
	1406	60.66		579	39.33

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
1461	163	01	536	04	2161	1406	153	02	427	04	1988

Demand ratio 1:1          Dropout 0.1 %

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

Counselling activities students benefitted 50 (Mechanical)

Electronics & Telecommunication department Conduct special coaching in fundamentals by senior faculty. Providing Online MCQ's for the preparation of the GATE by GATE Software. Conduct awareness programmes and guest lectures on GRE, GATE examinations. Intensive and periodic coaching in English language and Communication Skills. Training and Placement Cell organizes various kinds of training for students.

No. of students beneficiaries

80

#### 5.5 No. of students qualified in these examinations

NET	<input type="text"/>	SET/SLET	<input type="text"/>	GATE	10	CAT	<input type="text"/>
IAS/IPS etc	<input type="text"/>	State PSC	4	UPSC	<input type="text"/>	Others	<input type="text"/>

#### 5.6 Details of student counselling and career guidance

##### Student Counselling

- 15 students are allotted for each faculty members to guide and encourage them in order to improve their performance towards academics and non-academics.
- Counselling are provided to the students after each assessments in order to track and improve the performance of each individual
- Mentoring efficacy is done at throughout the semester
- Professional counselling is also done for the needy students.

No. of students benefitted

226

#### 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	722	174	25

## 5.8 Details of gender sensitization programmes

ICC organises programs for information of girls.

## 5.9 Students Activities

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

State/ University level  National level  International level

No. of students participated in cultural events

State/ University level  National level  International level

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

Sports : State/ University level  National level  International level

Cultural: State/ University level  National level  International level

## 5.10 Scholarships and Financial Support

	Number of students	Amount in Lakhs
Financial support from institution	364	28.88
Financial support from government	1503	594.37
Financial support from other sources	Nil	Nil
Number of students who received International/ National recognitions	01	.50

### 5.11 Student organised / initiatives

Fairs : State/ University level  National level  International level

Exhibition: State/ University level  National level  International level

5.12 No. of social initiatives undertaken by the students

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

## Criterion – VI

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

#### 6.1 State the Vision and Mission of the institution

##### **Vision:**

To become a globally renowned institute of excellence in technology and management education for rural community.

##### **Mission:**

- To achieve excellence in technical and management education through effective teaching learning process.
- To develop professionals having values of ethics, lifelong learning, teamwork and social responsibility.
- To inculcate research and development culture.
- To enhance industry-institute interaction.
- To empower the rural community.
- To implement outcome based education (OBE).

#### 6.2 Does the Institution has a management Information System

YES

The institution has implemented MIS in following areas with good computer network in place.

- Accounts
- Library – OPAC
- Online feedback and assessment
- Moodle for IQAC documentation distribution
- Moodle for subject content distribution (CSE)

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

##### 6.3.1 Curriculum Development

Since the institution is affiliated to university, it is supposed to follow the curriculum framed by the university. But it can identify the curricular gap through the Department Academic Advisory Committee have suggest the required inputs that is taken from various stake holders like companies that visit for placements, experts that visit the college on various occasions, alumni, etc

##### 6.3.2 Teaching and Learning

1. Teaching and learning is regularly monitored by the Director, Dean Academics, and HOD of the concerned department.
2. Feedback form of the students are collected at least two times in a Semester and appropriate actions are initiated for improvement of quality in teaching and learning process.

3. Use of teaching aids like videos, animations, presentations.
4. Guest lectures are arranged to supplement class room teaching with expert opinion.
5. Modern technology is employed to develop interest among the students for the subject.
6. Collaborative learning is undertaken through internship with industries, field trips and group projects and simulations.
7. Industrial visits are conducted for all classes to give practical exposure.
8. As per the affiliating university norms in every semester two internal assessment test are conducted. The subject Expert or senior faculty will cater to check the quality of question paper, conduction of examination and evaluation of answer scripts. Based on the performance of candidates their internal marks are awarded (as per the norms of the affiliating university).

### 6.3.3 Examination and Evaluation

- Two unit tests are conducted per semester.
- Internal orals are taken for all the subjects.
- Continuous assessment.
- Completion of project work for BE students.
- For MBA students, actual case studies of company were introduced
- Based on university papers question bank is provided to students .
- Midterm unite test paper is formed on the basis of course outcome.
- If some course outcome is not met in the test, extra assignments are given to the respective course to meet the percentage of outcome
- Scheme and solution of unit test paper is provided to student after every paper.
- If some students have less Marks in test they are called with their parents and counselling is done to improve their result.
- Question bank displayed before tests
- Model answer and marking scheme inform to students after test.
- Assessment by respective subject teacher and marks notification

### 6.3.4 Research and Development

- Separate R&D cell is setup to look after the issue related to research.
- Incentives offered for research publications in conferences at national & international levels
- Faculties are inspired to improve their qualification by registering to Ph.D. programs, STTP And workshops
- Encouraging the final year students to demonstrate their publication and presentation skills at intrainstitute and inter-institute level project exhibitions and paper presentation events.

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

- Availability of OPAC facility to users
- Search of books among inter-institute core groups
- Availability of old university question papers
- Enhanced wired and Wi-Fi network connection
- E-Resources, Journals, CD's, E-Learning Centre, E-books, E-journals
- Availability of NPTEL video lectures and GATE Software
- Separate reading room section for girls



### 6.3.6 Human Resource Management

- Faculty appraisal system in place
- Induction training is conducted for new faculty members
- Support and motivation system in place for research activities
- Encouraging faculties for higher studies
- Faculty members are encouraged to participate in STTPs, FDPs, Seminars and Workshops For continuing education

### 6.3.7 Faculty and Staff recruitment

The faculty recruitment is done through as per University / Govt., prescribed procedure. The staff recruitments is done at institute level as per requirements

### 6.3.8 Industry Interaction / Collaboration

The industry academia interaction is achieved through following activities/process/committees

- Training & Placement cell
- Industrial visits
- Sponsored projects for final year students
- Consulting work
- Signing MoU's with industries

### 6.3.9 Admission of Students

Admission of students is carried out as per guidelines laid by state government and Directorate of Technical Educations (DTE). The admission process is centrally arranged by authorities.

### 6.4 Welfare schemes for

Teaching	YES
Non teaching	YES
Students	YES

### 6.5 Total corpus fund generated

Rs: 20,40,15,286

### 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	-	YES	IQAC
Administrative	YES	Accounting Firm	YES	-

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?

- Answer Booklets Evaluation system through Digital Evaluation.
- Supplying photo copy of assessed answer sheet to students
- University Answer Booklets coding centre.
- University Examination Question paper downloaded by Secured Remote Paper Delivery (SRPD) through E-mode
- Online database of faculty for setting question papers based on experiences
- Decentralized assessment and distribution centres
- Financial assistance for paper publication and project competition

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

Providing valuable suggestion / advise through University representative in statutory committees like Board, Academic Council etc.

6.11 Activities and support from the Alumni Association

- Database creation and updating for alumni students
- Arranging the Alumni meet-Once in a year preferably in the month of Dec/Jan
- Alumni are invited to deliver guest lectures.
- They actively involved in symposiums and seminars.
- Alumni feedback is obtained through questionnaires and utilized for measuring the Programme Outcomes and for applying corrective measures

6.12 Activities and support from the Parent – Teacher Association

- Arranging parent teacher meet, institute and department levels. Once in semester after mid term examination
- Updating parents about their wards progress
- Interaction through guardians and class teachers

6.13 Development programmes for support staff

Training need identification for support staff. Organising various training programs for staffs as

- Introduction of Quality Management Systems like NAAC, NBA etc.
- Stress management programs

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

- a. Use of renewable energy
  - Solar power is utilised for street lights.
  - Solar water heaters in hostels.
- b. Rain water harvesting

All the buildings have rainwater harvesting systems.

c. Energy conservation

In our college Class rooms have large windows, so natural light are sufficient during day time instead of using electric lights.

- Sprinkler and drip irrigation system is used for Greenery and Lawns
- Plantation is set in major places of the campus and maintained to make campus as eco-friendly
- Wind Energy power generation .

## 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.

- Continuous assessment of syllabus coverage by weekly and monthly monitoring
- Students counselling and interaction with parents about student progress

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

- Teaching plan with curriculum gap identification
- Updating documents as per need of NAAC and NBA guidelines
- Upgradation of internet facility and network infrastructure

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

- Assessment of Programme Outcome
- Remedial classes for backlog subjects.  
*\*Provide the details in annexure (annexure need to be numbered as i, ii,iii)*

7.4 Contribution to environmental awareness / protection

- Offering Environmental Science as a compulsory subject
- Organizing Swachha Bharat campaign ,Digital India plastic free campus etc.,
- Planting of trees in the campus
- Construction of rain water harvesting pits in the campus

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 of the Institution**

Quality Education with an Environment of Academic Discipline

- Qualified and highly experienced Faculty
- Fully Computerized Library with high standards
- State-of-the-art Computing and Internet facilities (Wi-Fi enabled)
- Extensive professional Co-curricular and Extra-curricular Activities
- Intense Institute Industry Interaction and Partnership.
- Personality, Communication, Soft Skill and Life Skill Development
- Personalized mentoring and professional counselling,
- Student (SDP), Faculty (FDP), & Leadership (LDP) Development Activities.
- Initiatives; Regular Publication of Departmental Newsletter and College magazine
- Research and Consultancy Projects with Nationalized agency and industries.
- Efforts for continuous Improvement through Planning, Development

### **Weakness for the Institution**

- Lack of adequate placements in core companies
- The funding from International and national agencies to be improved
- Lack of research publication in high impact factor journals and high h- factor index

### **Opportunities for the Institution**

- To become an autonomous institute
- Competence development process in the students may be improved so that a national level bench mark may be established
- More MOUs with Industry and academic universities/colleges
- Apply for funding from various agencies
- Improve the consultancy work

### **Threats for the Institution**

- Lack of commitment of a small group of students
- Students with diverse background with diverse needs.
- 

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

1. Assessment of infrastructure facilities and fulfilling of requirements
2. Equipment need assessment and use for PG students
3. Increasing faculty publication and participation in research activities
4. Increasing MoU with industries
5. Aiming for higher salary package for students in placements

Name: Dr. Dinkar Bhosale

Name: Dr. Deepak N. Mudgal

\_\_\_\_\_  
*Signature of the Coordinator, IQAC*

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*Signature of the Chairperson, IQAC*

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### **Annexure I**

#### **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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