ANNUAL QUALITY ASSURANCE REPORT: 2017-18

Submitted to
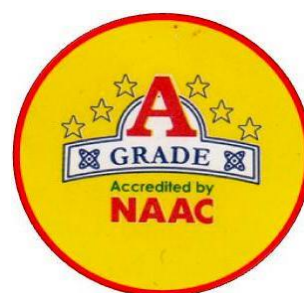
National Assessment and Accreditation Council (NAAC)
Bangalore

By

Kopargaon Taluka Education Society's

K. J. Somaiya College of Arts, Commerce & Science, Kopargaon.

(Re- accredited by NAAC with 'A' Grade with a CGPA of 3.18)
(ISO 9001:2015 Certified Institute)
Ahmednagar – 423601
Maharashtra

17TH OCTOBER, 2018

The Annual Quality Assurance Report (AQAR) of the IQAC
Part – A

1. Details of the Institution

1.1 Name of the Institution	Kopargaon Taluka Education Society's, K. J. Somaiya College of Arts, Commerce and Science, Kopargaon
1.2 Address Line 1	Mohanirajnagar, Kopargaon.
Address Line 2	-------
City/Town	Kopargaon, District- Ahmednagar
State	Maharashtra
Pin Code	423601
Institution e-mail address	kjscollege@rediffmail.com
Contact Nos.	+91 9146142000, +91 9146152000
Name of the Head of the Institution:	Dr. B. S. Yadav
Tel. No. with STD Code:	+91 9146142000
Mobile:	+91 9423181155
Name of the IQAC Co-ordinator:	Prof. Vijay C. Thange
Mobile:	+91 9822671845
IQAC e-mail address:	iqac.kjscollege@gmail.com

1.3 **NAAC Track ID**

MHCOGN11385

1.4 **NAAC Executive Committee No. & Date:** EC(SC)/28/A&A/14.3 Dated 30th October 2017

1.5 Website address:

www.kjscollege.com

Web-link of the AQAR: http://kjscollege.com/IQAC/AQAR2017-18.doc

1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1st Cycle	B	--	2004	2004-09
2	2nd Cycle	A	3.11	2011	2011-16
3	3rd Cycle	A	3.18	2017	2017-22
4	4th Cycle	--	--	--	--

1.7 Date of Establishment of IQAC: 30/12/2004

1.8 AQAR for the year 2017-18

1.9 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC

   i. *AQAR 2011-12 submitted to NAAC on 30/12/2012*
   ii. *AQAR2012-13 submitted to NAAC on 26/10/2013*
   iii. *AQAR2013-14 submitted to NAAC on 30/09/2014*
   iv. *AQAR2014-15 submitted to NAAC on 30/09/2015*
   v. *AQAR2015-16 submitted to NAAC on 22/09/2016*
   vi. *AQAR2016-17 submitted to NAAC on 17/08/2017*

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 ☐

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. Computer Science
>
> 2. Computer Applications

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

> Savitribai Phule Pune University, Pune.

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

Autonomy by State/Central Govt. / University   No

University with Potential for Excellence	No	UGC-CPE	No
DST Star Scheme	No	UGC-CE	No
UGC-Special Assistance Programme	No	DST-FIST	Yes
UGC-Innovative PG programmes	No	Any other *(Specify)*	No
UGC-COP Programmes	No		

2. IQAC Composition and Activities

2.1 No. of Teachers $\boxed{08}$

2.2 No. of Administrative/Technical staff $\boxed{02}$

2.3 No. of students $\boxed{02}$

2.4 No. of Management representatives $\boxed{02}$

2.5 No. of Alumni $\boxed{01}$

2. 6 No. of any other stakeholder and

Community representatives $\boxed{02}$

2.7 No. of Employers/ Industrialists $\boxed{02}$

2.8 No. of other External Experts $\boxed{--}$

2.9 Total No. of members $\boxed{19}$

2.10 No. of IQAC meetings held $\boxed{05}$

2.11 No. of meetings with various stakeholders: No. $\boxed{12}$ Faculty $\boxed{04}$

Non-Teaching Staff Students $\boxed{04}$ $\boxed{02}$ Alumni $\boxed{02}$ Others

2.12 Has IQAC received any funding from UGC during the year? Yes $\boxed{}$ No $\boxed{\checkmark}$

If yes, mention the amount $\boxed{----}$

2.13 Seminars and Conferences (only quality related)

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

Total Nos. $\boxed{07}$ International $\boxed{3}$ National $\boxed{01}$ State $\boxed{02}$ Institution Level $\boxed{1}$

(ii) Themes
1. "Application of ICT in Academic Libraries,"
2. "National Conference on Renewable Energy and Environment,"
3. Translation on Globalization: Perspectives in Humanities, Science and Commerce,
4. "Role of Skill Development for Youth Empowerment and Nation Building",
5. "India's Foreign Policy Towards 20-20" &
6. Recent Techniques in Geography
7. "Programming in C"

2.14 Significant Activities and contributions made by IQAC:

- Considering the Quality Improvement Program (QIP) in the institution, under the guidance of IQAC, Organized One day International conference on <u>"Application of ICT in Academic Libraries"</u> 25th February 2018.. The conference received tremendous response from the Librarians and faculty members from all over Maharashtra. In this conference a special issue of *'Sanshodan Samiksha'-ISSN: 2278-9308 with impact factor 3.20,* a monthly Peer Reviewed International Research Journal, was published which contained 92 full length papers.

- Department of Physics organized "National Conference on Renewable Energy and Environment" on 19th & 20th January 2018.

- Department of Physics published a special issue- Peered reviewed International Research Journal – "Science & Engineering" of National Conference on Renewable energy & Environment in January 2018. [UGC Approved Journal No. 63628, ISSN:2322-0015, SJIF Impact factor: 4.13]

- In the Dept. of Commerce, three lectures were organized under the banner of Entrepreneurship Development Cell. The cell aims to build entrepreneurship skills among the students by organizing various lectures of eminent entrepreneurs and professionals along with officials from financial institutions. Industrialist Mr.Sanjay Pagare of PEP Industries, Pune, delivered the lecture on 03rd September 2017 on the theme of "Corporate Culture". Mr. Jeetendra Teke of Jeet Computers, Kopargaon delivered the lecture on the theme of "Scope of Digitalization" on 11th December.2017". Mr. Ramdas Lute of Bajaj Finserv Ltd interacted with the students on the theme of "Financing schemes for Youth" on 9th January 2018.

- One day Workshop on "How to Manage Money and be a Smart Investor" was organized on 12th December 2017 in association with the Consumer Guidance Society of India,(CGSI), Mumbai. 315 students from various departments participated in the same.

- A workshop of Dr. Nilay Mehta, Chartered Accountant and Director of Nilaya Academy, Pune on the theme of "Career opportunities in Commerce" was organized on 15th January 2018.

- A one day college financed International conference on the theme of "Role of Skill Development for Youth Empowerment and Nation Building" was organized on 25th February 2018. The conference was inaugurated by Dr.Maeen Abdulwali Mohammed, from Sana University, Yemen. Dr. Wadah Ahmed and Prof.Iqbal Shaikh of Sana University, Yemen, Dr.S.M.Kote, Dr.Babasaheb Ambedkar Marathwada University, Aurangabad were the resource persons for the conference. .7 faculties from abroad and 59 faculties from various institutions all over the nation and 127 students actively participated in the same.

- Intellectual Property Right (IPR) Cell was established in the department with the objective of creating awareness about various intellectual properties such as trademarks, patents, copyrights etc. among the students. The cell was inaugurated by Dr.V.N.Gursal,

Principal of Sau.Sushilamai Kale Arts, Commerce and Science College, Gautamnagar on 10th March 2018.

- Department of English of K.J.Somaiya College ,Kopargaon organized two day state level conference titled, 'Translation on Globalization: Perspectives in Humanities, Science and Commerce' on 12th and 13th January ,2018. The conference was well attended by eminent academicians, renowned poets and writers, research scholars, professors and students from reputed educational institutes. The objectives behind this conference was to explore various themes and major concepts of translation in the globalised world, as an outcomes,34 research papers have been published in the UGC approved journal Research Journey(Multi-desciplinary International –Research Journal)-Special Issues XXXI. The department organized a guest lecture on "public speaking" On 27th July, 2017.The said lecture was delivered by Ms. Manasi Navalgundkar from U.S.A.

- Dr. R. Raj Rao, former head of Dept .of English, S. P .Pune University delivered a lecture on "Indian Writing In English: A Special reference to 'The Guide' by R.K.Narayan' on 11th January,2018 to U.G. and P.G. Students of English

- Department of Political Science organised one day state level seminar on "India's Foreign Policy Towards 20-20" sponsored and funded (Rs.60000) by Savitribai Phule Pune University on 13th January 2018.

- Department of Geography organised self financed (Rs.10800) One day International Conference on Recent Techniques in Geography on 25th February, 2018. 44 participants from India and abroad participated in it.

- One day workshop on **"Programming in C"** was organized on 15th Feb 2018. Prof. Manojkumar S. Langote , HOD of MCA department ,PIRENS Technical campus was the resource person for the same. 118 students were participated in the workshop.
- Student Feedback on Teachers was conducted at the end of semester/ terms, analysis was done by IQAC and it was given in AQAR.
- IQAC motivated all teachers to publish research papers in reputed Journals with ISSN, as a result 72 papers were published in National and International Journals. In order to conduct Academic Audit, a Core Committee, comprising the Principal, IQAC Coordinator and Management Representative of ISO were constituted. The academic audit, Green Audit, Energy Audit, and Surveillance Audit of ISO 9001:2015 was held in first week of November 2017.
- To be in tune with Central Government's Cleanliness Drive, N.S.S. department organized _Swachhata_ _Pandharwada_ (Cleanliness Fortnight) during 1st to 15th September 2017 in the college and Kopargaon city. Green Campus day, Clean Canteen Day, Clean Hostel Day activities were organized. Visits and cleanliness campaign was organized at Government Hospital Kopargaon, Vegetable Market, Kopargaon Railway Station etc.

- On account of National Voter Day a Rally was organized in Kopargaon city on 25th January, 2018.

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 2017-18

Plan of Action	Achievements
The IQAC proposed to the KTE Society to build third floor above K. J. Somaiya Science and Technology Bhavan.	According to the proposal of IQAC, KTE Society office bearers agreed started the construction work of third floor which will be completed soon.
The IQAC planned to conduct self-funded International conferences in the departments of Commerce, Geography and Library.	According to the proposal of IQAC, College organized self-funded International conferences in the departments of Commerce, Geography and Library on February 25, 2018
The IQAC has proposed to increase the number of Smart Class Rooms.	The college increased number of Smart Class Rooms and LCD Projectors allotted to various departments to enhance ICT base education.
The IQAC proposed to start more Research Center in the college.	According to IQAC guidelines, the Department of Chemistry and Political Science are in the process of starting of M.Phil. and Ph.D. research centres.
The IQAC proposes to start PG in Zoology	As per IQAC suggestion, College submitted the proposal for starting PG in Zoology to the Govt. of Maharashtra and S.P.Pune University and the permission has been given by both the authorities. The course will start soon.
The IQAC proposed to increase the divisions of M.Sc. Physics and Chemistry.	As per IQAC suggestion, College submitted the proposal for getting one more divisions to each Physics and Chemistry to the Govt. of Maharashtra and S.P.Pune University and the permission has been given by both the authorities. The additional divisions will start soon..
The IQAC proposed to establish Intellectual Property Rights Cell.	Intellectual Property Right (IPR) Cell was established in the department of Commerce with the objective of creating awareness about various intellectual properties such as trademarks, patents, copyrights etc. among the students.
The IQAC proposed to organise One day workshop on **"Programming in C"** in Computer Science department.	One day workshop on **"Programming in C"** was organized on 15th Feb 2018. Prof. Manojkumar S. Langote , HOD of MCA department ,PIRENS Technical campus was the resource person for the same.

The college intends to increase the number of organization and participation in conferences, seminars and workshops.	The number of organization and participation in conferences, seminars and workshops has been increased.
The college proposes to increase participation of students in sports & cultural activities.	The participation in sports activities of students has tremendously increased and many of our students played at State and National level in base ball & Yoga. And 3 students got **Silver medal** in All India Inter-University (National) level in Baseball competition at Haryana 02 students got **Bronze medal** in All India Inter-University (National) level in Softball competition at Haryana
The IQAC has proposed to enhance the reading room facility.	According to guidelines given by IQAC, the reading room facility has been increased and the spacious room is available for all faculties.
The IQAC proposed to organize one day workshop on Disaster Management.	NCC and Students Welfare Board jointly organized one day workshop on Disaster Management with NDRF team.

* Academic Calendar of the year 2017-18 is provided in Annexure –I.

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 IQAC motivate all teachers to apply for Major and Minor Research Projects.
> - A direction has been given to all departments to apply for conferences/symposia.
> - According to guidelines of IQAC, the departments of English, Political Science, Physics, Geography, Commerce and Library and Information Center released/published special Issues of International Peer Reviewed Journals containing full length papers of faculty members bearing ISSN and Impact factor.

Part – B
Criterion – I
1. Curricular Aspects

1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
Ph.D.	02	--	--	--
PG	09	--	--	--
UG	19	--	--	--
PG Diploma	--	--	--	--
Advanced Diploma	--	--	--	--
Diploma	--	--	--	--
Certificate	20	--	20	20
Others	--	--	--	--
Total	50	--	20	20
Interdisciplinary	20	--	20	20
Innovative	20	--	20	20

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

Savitribai Phule Pune University, Pune frames and designs syllabi for all U.G. and P.G. Classes and the same syllabi is taught in the college. For all P.G. courses the syllabus is of CBCS where at U.G. level some courses are core papers and some papers are offered at optional level.

(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	19
Trimester	Nil
Annual	08 (B.A & B.Com)

1.3 Feedback from stakeholders*   Alumni [✓]   Parents [✓]   Employers [✓] Students [✓]
    (On all aspects)

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

An analysis of the feedback is provided in Annexure- II

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

There is no revision of any syllabus by S. P. Pune University in this academic year.

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
34	24	10	---	01 (Principal)

2.2 No. of permanent faculty with Ph.D.

24

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
--	05	---	---	---	---	00	---	--	05

2.4 No. of Guest and Visiting faculty and Temporary faculty

00		00		62

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended Seminars/	11	26	34
Presented papers	09	26	10
Resource Persons	02	04	11

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

> Use of ICT was encouraged. Activity based teaching like Group discussion, role playing and screening of the films was undertaken. Five Smart Class Rooms with Broad Band internet connectivity, Wi-Fi Campus, Separate Computer Labs for B.C.A., B.Sc. Comp. Sci., M.C.S. and M. Sc. Physics, Screening of the films based on text. In most of the class rooms and laboratories there is provision of LCD Projectors.
>
> Dr. S. M. Devare broadcasted his lecture Series on YouTube Channel regarding Indian Constitution which helped competitive examination aspirants and society at large to understand Indian governance.

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

193

2.8   Examination/ Evaluation Reforms initiated by

The Institution (for example: Open Book Examination, Bar Coding,

Double Valuation, Photocopy, Online Multiple Choice Questions)

Double Valuation, Photocopy and Open Book Examination.

2.9   No. of faculty members involved in curriculum

Restructuring /revision/ syllabus development

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

02		04		03

2.10 Average percentage of attendance of students

82.38%

2.11 Course/Programme wise distribution of pass percentage: 2017-18

Title of the Programme	Total no. of students appeared	Division			
		Distinction %	I Class%	II Second%	Result %
T.Y.B.A.	124	4.83	30.96	20.80	56.59
T.Y.B.Com.	132	8.33	25.90	26.06	60.83
T.Y.B.Sc. Physics	38	65.78	10.52	0	76.32
T.Y.B.Sc. Chemistry	32	75	29.16	0	90.16
T.Y.B.Sc. Maths	13	38.46	30.16	7.69	76.92
T.Y.B.Sc. Botany	11	45.45	27.27	00	72.73
T.Y.B.Sc. Zoology	16	31.25	26.25	00	57.5
T.Y.B.Sc. Microbiology	21	4.76	23.80	23.80	61.9
T.Y.B.Sc. Comp Sci.	25	28.00	36.00	00	66.67
T.Y.B.C.A.	24	8.33	22.50	18.33	49.17
M.A.(II) Hindi	8	37.50	00	37.50	75
M.A. (II) English	8	25.00	37.50	25.00	87.5
M.A. (II) Politics	23	43.48	43.48	4.35	95.45
M.A. (II) History	40	22.5	52.50	2.5	77.5
M.A. (II) Economics	8	37.50	37.50	25.00	100
M.Com. (II)	39	17.94	41.02	28.20	89.74
M.Sc. (II) Physics	23	52.17	34.78	13.04	100
M.Sc. (II) Chemistry	23	31.73	17.39	30.43	69.57
M.C.A. III	8	100	00	00	100
M.CS.	1	00	100	00	100

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

- The IQAC recommends the yearly planning of tests, tutorials and Internal Examinations every year at the beginning of the year which results into the best performance of our students in university examinations.

- The Internal Examinations answer books are evaluated and the results are communicated to the students for their improvement.

- IQAC promotes and motivates the teachers to go for ICT based teaching. Three Smart Class Rooms are available for ICT based teaching.

- IQAC recommends class seminars, group discussions and paper presentations in the class by the students. This resulted into better overall performance of the students in general and stage daring and improved pronunciation in particular.

- IQAC analyses the results of all classes and give suggestions to the teachers for their improvement.

- Every year IQAC recommends Academic Audit of all the departments in which academic assessment takes place and some suggestions are given for the improvement. 'ISO 9001:2015 Surveillance Audit' helps in the assessment of all the departments.

- In this year also college initiated 'Green Audit' of our campus through IQAC by an external agency.

- This year also college conducted 'Energy Audit' of our campus through IQAC by Aditi Engineering Services, Nasik.

- IQAC interacts with all Heads of the Departments and discuss with them about their academic current status and future plans. IQAC gives some suggestions to each department. This mechanism helps the department to update their records like teaching diaries, roll call etc.

- IQAC plans and designs the budget for each department and accordingly budget is allocated to every department through which equipments are purchased.

- At the beginning of every year IQAC discusses with the librarian and the budget is planned to maintain ideal student-book ratio. The students from poor sections of society are provided books through Book-Bank facility by library.

2.13 Initiatives undertaken towards faculty development.

Faculty / Staff Development Programmes	Number of faculty benefitted
Refresher courses	02
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.	--
Others (Short-Term Courses)	01

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	29	03	00	24
Technical Staff	03	03	00	01

Criterion – III

3. Research, Consultancy and Extension

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

- All academic decisions related to research are discussed by IQAC and Academic Research Committee (ARC). Some of the research projects are Pure Research Projects and some of the research projects are applied level projects. Most of the Research Projects are useful for immediate solutions in order to solve the problems of vicinity of Kopargaon. Most of our projects carried out by students and faculty members are related with the societal needs and concerns.
- IQAC makes motivate to all teaching faculty to apply for Minor & Major Research Projects. It resulted into getting the projects from B.C.U.D. S. P. Pune University and UGC, New Delhi.
- IQAC recommends staffs to register for Ph. D. more than 81% faculty members are Ph. D. holders and remaining of them have already registered for Ph. D.
- IQAC recommends staff to apply for Seminars & conferences to BCUD and UGC. As a result, 03International conferences, 01- National Conference, 02- State Level Conferences, and 03 in-house seminars were organized in this academic year.
- IQAC recommends staff to apply for BCUD &UGC Research Proposals.

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	01	02	02	05
Outlay in Rs. Lakhs	80,000/-	3,30,000/-	3,30,000/-	-----

3.4   Details on research publications

	International	National	Others
Peer Review Journals	45	27	**--**
Non-Peer Review Journals	**--**	**--**	**--**
e-Journals	5	--	--
Conference proceedings	--	03	01

3.5 Details on Impact factor of publications:

Range | 0 to 3.45 | 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	----	---	---	---
Minor Projects	2016-18	BCUD, UGC	12,15,000/-	10,45,000/-
Interdisciplinary Projects	--	--	--	--
Industry sponsored	--	--	--	--
Projects sponsored by the University/ College	2015-17	BCUD	09,65,000/-	07,95,000/-
Students research projects *(other than compulsory by the University)*	--	--	--	--
Any other(Specify)	--	--	--	--
Total		02	21,80,000/-	18,50,000/-

3.7 No. of books published   i) With ISBN No. | 01 | Chapters in Edited Books | -- |

ii) Without ISBN No. | -- |

3.8 No. of University Departments receiving funds from

UGC-SAP | NA | CAS | NA | DST-FIST | ✓ |

DPE | NA | DBT Scheme/funds | NA |

3.9 For colleges   Autonomy | --- | CPE | --- | DBT Star Scheme | --- |

INSPIRE | --- | CE | --- | Any Other (specify) | --- |

3.10 Revenue generated through consultancy | 42900/-- |

3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
Number	03	01	02	NIL	01
Sponsoring agencies	KTE Society	SPPU BCUD	SPPU BCUD	-----	KTE Society

3.12 No. of faculty served as experts, chairpersons or resource persons | 12 |

3.13 No. of collaborations   International | -- | National | -- | Any other | 02 |

3.14 No. of linkages created during this year | -- |

3.15 Total budget for research for current year in lakhs:

From funding agency | 18,50,000.00 | From Management of College | 5000.00 |

Total | 18,55,000.00 |

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
02	---	01	01	---	---	---

3.18 No. of faculty from the Institution

who are Ph. D. Guides | 10 |

and students registered for Ph. D. | 18 | & Students registered for M.Phil. under them | 06 |

3.19 No. of Ph.D. awarded by faculty from the Institution | 04 |

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 | 02 | State level | -- |
National level | -- | International level | -- |

3.22 No. of students participated in NCC events:

University level | -- | State level | 107 |
National level | 04 | 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 | 02 | International level | -- |

3.25 No. of Extension activities organized

University forum | --- | College forum | 06 |

NCC	06		NSS	17		Any other	--

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

- In NCC, 11 boys and 15 girl cadets appeared for B certificate examination and for C certificate 23 boys and 09 girl cadets appeared for examination. In B certificate examination all students passed and the result is 100 percent. In C certificate , 20 boys and 8 girls passed the examination.

- In Camp January 2018 (SW Cdt) Jr/U/O Babhulake Shital received best leader award for CATC held in 19 Jan.-28 Jan.2018

- NCC S/U/O Salunke Sakshi Prakash was selected in Maharashtra contingent for Republic Day Camp (RDC) January 2018 and actively participated in parade held at New Delhi from 1st to 29 January 2018.

- NCC SGT Mr. Ganesh S. Narode and Jr. /U/O Miss. Shital Babhulke werer selected and actively participated in Thal Sainik Camp (TSC) held at New Delhi on 19th to 30th September 2016.

- Tree Plantation Drive was conducted by NCC Cadets in college campus.

- Blood Donation drive was conducted by NCC SD-Boys and SW Girls in college.

- According to instructions given by MAH BN NCC, 'International Yoga Day' was celebrated on 21st June 2018.

- Swacha Bharat Abhiyan and Youth Day was celebrated on 12th August 2018.

- AIDS awareness rally in association with Rural Hospital Kopargaon was organized on 1st December 2018.

- N.S.S. Department organised following activities in this academic year:

- . On 1st July 2017 orientation program of Voter awareness program was organized in the college.

- 2. On 2nd July 2017 six hundred _Tulsi_ Plants were planted in college premises in association with Botany department of our college.

- 3. During 11th August to 14th August Volunteers of N.S.S. visited various ancient monuments in Kopargaon Taluka and arranged Swachhata Abhiyan in these places.

- 4. Tree Plantation program was organized at River Godavari Project.

- 5. During 1st to 15th September 2017 _Swachhata_ _Pandharwada_ was organized in the college and Kopargaon city. Green Campus day, Clean Canteen Day, Clean Hostel Day activities were organized. Visits and cleanliness campaign was organized at Government Hospital Kopargaon, Vegetable Market, Kopargaon Railway Station etc.

- 6. N.S.S. Week was celebrated during 24th to 29th September 2017. Following programs were   organized during the week.

- a) Lecture on Hand wash was arranged and Dr.Abhijit Achari addressed the students.

- b) A Rally was organized in Kopargaon city to create awareness about hand wash and general cleanliness .

- c) Essay competition was organized on the topic Cleanliness.

- d) *Path Natya* was organized at various places in Kopargaon on the issue of cleanliness.

- e) Blood Donation Camp was organized in association with Sainath Blood Bank, Shirdi. 60 bags of Blood were collected.

- On 1st October 2017 Peace Poster Competition was organized in association with Lions Club of Kopargaon. All the schools of Kopargaon Taluka participated in it. Almost 700 to 800 students from different schools participated in it.

- 8. On 1st December 2017 a lecture was organized on AIDS awareness on account of "World AIDS Day". Dr. S.K.Bansode delivered a lecture.

- 9. During 9th to 15th December 2017 N.S.S. Winter Camp was organized in adopted village

- Jawalke. Tree Plantation, Village Cleanliness, *Beti Bachav Abhiyan*, Superstition eradication Abhiyan, Various Surveys, lectures on various social issues were organized during the Camp 10. On 23rd December 2017 Road Safety Abhiyan was organized.

- 11. On 24th & 25th December 2017 *Path Natya* on Cleanliness was organized at various places of Shirdi and at Samata International School. The program was sponsored by Ministry of Tourism, Govt. of India.

- 12. Youth Week was organized during 12th To 18th January 2018 on account of Swami Vivekanand Jayanti. Following programs were organized during the week.

- a) Prof. Rajendra Khairnar delivered a lecture on Youth and Value Education.

- b) Prof. Dr. Wable of ASC college Talegaon Dhamdhere delivered a lecture on

  Challenges before Youth.

- c) Makarsankranti Festival was celebrated with students of Lions Deaf & Dumb School of Kopargaon.

  d) Prof. Dr. Aher of Govt. Polytechnic College of Kopargaon delivered a lecture on

  Character building in Youth.

- e) On 18th January 2018 a District Level Value Education Workshop was organized in association with SP Pune University.

- 13. On account of National Voter Day a Rally was organized in Kopargaon city on 25th January 2018.

- 14. During the academic year various activities were organized on every Sunday and students were guided about social issues. *Shramdan* activity was also organized during the year.

- The college organized Extra Mural Savitribai Phule Pune University Jaykar lecture series for senior citizens and students of the college on 3rd -6th Jan 2018.

- The Indoor Game Hall of the college is provided to the citizens of the Kopargaon vicinity and all the sports facilities are provided them at nominal charges.

- Every year college organises State level *'B. G. Rohamare Gramin Sahitya Puraskar Yojana'* on 7th December in which emerging writers are motivated by honouring them in the form of awards. Every year 4-5 writers are chosen from different categories and they are honoured with Rs. 5000/- cash prize, certificate and memento.

- Consecutively from third year college organized *'K. B. Rohamare State Level Inter Collegiate Debate Competition'* on 28th February 2018. 10 teams from rest of Maharashtra participated in this competition.

- Department of Library celebrated *'Vachan Prerna Din'* and also organized Workshop, Science Book Exhibition as well as Books distribution to economically backward students on 13th October 2017.

- Competitive examination on *'Gandhian Thoughts & Culture'* was organized by Hindi department.

- Late.K.B.Rohamare Lecture series in Finance was organized form 8th to 10th February 2018. Mr.Akshay Mahajan form Deewan Housing Finance Ltd, Prof.Deokar from Sushilamai Kale Arts, Commerce and Science College, Gautamnagar and Mr.Amol Kalaskar from HDFC Securities Ltd, delivered the lectures on Micro finance, Home Loans, Online trading of equities and SEBI.

- Soft skill Training Programme of 10 days duration was organized for the final year students at Undergraduate level during 7th February to 20th February 2018. Training and grooming sessions were organized on the themes of Goal Setting, Interview Skills, Business Communication, Positive Attitude, Time Management, Value Education, Leadership Skills etc.

- Three lectures were organized under the banner of Entrepreneurship Development Cell. The cell aims to build entrepreneurship skills among the students by organizing various lectures of eminent entrepreneurs and professionals along with officials from financial institutions. Industrialist Mr.Sanjay Pagare of PEP Industries, Pune, delivered the lecture on 03rd September 2017 on the theme of "Corporate Culture". Mr.Jeetendra Teke of Jeet Computers, Kopargaon delivered the lecture on the theme of "Scope of Digitalization"

on 11th December.2017". Mr.Ramdas Lute of Bajaj Finserv Ltd interacted with the students on the theme of "Financing schemes for Youth" on 9th January 2018.

- The college organized several programmes in collaboration with Lions Club, Kopargaon. These programmes include Health Check-up Camp for girls, awareness programmes on female foeticide, street plays based on voters awareness programme, cyber security awareness programme etc.

- Department of Economics organized Competitive Examination on Economic based knowledge during every year.

- Training Programme under NSDC was organized in the Sectors of Logistics and Retail in the month of March 2018.

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	07 Acre	---	--	07 Acre
Class rooms	40	05	K.T.E.Society	45
Laboratories	20	03	K.T.E.Society	23
Seminar Halls	02	---	K.T.E.Society	02
No. of important equipments purchased (≥ 1-0 lakh) during the current year.	--	47 Computers	K.T.E.Society	2,35,740/-
Value of the equipment purchased during the year (Rs. in Lakhs)	47.98	13.62	K.T.E.Society	47.98325
Others (Cycle Stand, Gym, Store Room)	04	02	SPPU	06

4.2 Computerization of administration and library

Because of the overwhelming response of students for PG online admissions, the college took initiative for online admission to UG Students. Administrative works are fully computerized with the use of *'Vriddhi'* Computer software. Library is fully automated and total books have been bar coded. Books are issued with the help of bar code. There is LAN network in library as well as in the office. N-LIST database it includes e-Journals and e-books have been subscribed by the library and free access is given to all the members of library.

All science laboratories are well equipped with computers and broad band connectivity.

4.3 Library services:

	Existing		Newly added		Total	
	No.	Value (Rs.)	No.	Value (Rs.)	No.	Value (Rs.)
Text Books	49295	5026583	156	47045	49451	5,076,034
Reference Books	4783	985559	319	157237	5102	2,142,796
e-Books	112673	5750	112673	--------	112673	5750
Journals	101	87826	101	85508	101	85508
e-Journals	6247	5750	6247	--------	6247	5750
Digital Database	2	5750	2	--------	2	5750
CD & Video	281	20922/-	Nil	Nil	Nil	Nil
*Others (Specimen Books)	1066	267072/-	38	6725	1104	2,73,797

Other: Competitive Examination Books, Motivational Books, Personality Development Books.

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Depart-ments	Others-Library
Existing	183	07	i)Broad band ii) Wi-Fi	03	03	15	25	12
Added	47	--	--	--	--	--	02	--
Total	230	07	02	03	03	15	27	12

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

- The college has a state-of-the- art computer laboratory which has 24 hours broadband internet access. All the students and teachers are allowed to access computer laboratory and internet facility.

- Special course for the PG students with six credits on Cyber Security was organized since last three years.

  - Guest lecture of Mr. Swapnil Wagh founder of AMS Soft and his collagues from AMS Soft was organized on 12th Dec 2017 in the subject **" Website Designing and c#.NET".** It was conducted at ICT hall at 11:00 am for the students of S.Y and T.Y B.Sc(CS) and F.Y.M.Sc(CS)

  - One day workshop on **"Programming in C"** was organized on 15th Feb 2018. Prof. Manojkumar S. Langote , HOD of MCA department ,PIRENS Technical campus was the resource person for the same. 118 students were participated in the workshop.

  - Guest lecture was organized on the theme **"Project Development"**. Prof Manojkumar S.Langote ,HOD of MCA department ,PIRENS Technical campus was the resource person for the same. He delivered lecture on project development. He interacted with students and give important guidelines to them.

4.6 Amount spent on maintenance in lakhs:

i) ICT   34073/-

ii) Campus Infrastructure and facilities   12,77,997/-

iii) Equipments   1,88,957/-

iv) Others (Building and infrastructure)   12,25,774/-

Total :   **27,26,801/-**

Criterion – V
5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

- Student mentoring is one of the best practices of the college which helps tremendously in enhancing the confidence among the students.
- Placement cell serves the need of the students in training and placement.
- Counseling of students took place in all departments on their courses so to help them in choosing the right course.
- As per the advice of IQAC, coaching was provided as a special support to students who were at risk of failure and drop out. Normally one class per week is held as tutorial class for a subject. The said students were advised informally by the teachers.
- Students are provided with physical facilities in all departments. ICT enabled teaching, introduction to ICT, internet facilities, computer laboratories, Health centre, Hostel facilities for boys and girls, refectory facility, clean and pure drinking water facility, Book bank facilities are provided to all the students.
- The awareness among the students about the use of library is created every year in the college by the librarian through classroom demonstrations.
- Details of scholarship and freeships from various courses for reserve category students were intimated.
- Students from the weaker section of the society are identified at the beginning of the year and 'Earn & Learn' scheme is initiated for them.
- NSS and NCC departments cater to the need of the students in achieving their goals.
- Computer programming and value education programmes were organized in the college.
- Grievance Redressal Cell and Competitive Examination Centre also cater to the needs of the students.
- At the beginning of the academic year, a meeting of students was convened in which they were briefed about the various activities of the college, Programme officers' of NSS and NCC presented their activities to first year students. First year students were also briefed about various activities and associations in the college.

Continued…….

- Self financed 'Certificate Course in Yoga' was organized every year by NCC, NSS and Department of Physical Education and Sports.

- Handbook containing details of all students support services and academic calendar was distributed to all the students. It included the details regarding 'Earn and Learn Scheme', Fees installments, Skill Development Programme, College Magazine, Remedial Classes, Industrial Visits, Admission procedure of NSS, NCC, Competitive Guidance Cell, Grievance Redressal Cell, Hostel Facilities, Library, Computer Laboratory, Sports, Mentorship, Financial Assistance, Training and Placement Cell, Cultural Programme etc.

5.2 Efforts made by the institution for tracking the progression

- IQAC organized centralized Assessment Program for term end examinations in college and the feedback is given to all the students about their performance in these examinations.

- IQAC analyzed the examination results of all programs and made suggestion for improvement.

- The Governing Body and the Principal look after the entire process and gives appropriate suggestions for the betterment of academic atmosphere.

- Departmental PTA meetings were conducted to discuss the progress of students.

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
2097	**562**	07	---

(b) No. of students outside the state   --

(c) No. of international students   --

Men

No	%
--	--

Women

No	%
--	--

Last Year: 2016-17						**This Year: 2017-18**					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
1569	349	73	668	4	2663	1618	314	85	705	4	2726

Demand ratio =   1:1   Dropout = 1.97%

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

- ▪ Competitive Examination Guidance Centre organized Lecture on the preparation of MPSC and UPSC Examination. Prof. Nitin Chavan, Nashik guided the students.
- ▪ Hon. Dr. Sagar Patil, Sub-Divisional Police Officer from Shirdi, delivered lecture on 'Examination Pattern and Preparation of UPSC Exam' on 9th February, 2018.
- ▪ The Department of Library and Information Center conducted Book Exhibition of books based on competitive examinations on 9th February, 2018.
- ▪ 05 Lecture Series in various departments for PG students for SET/SLET/ MPSC/UPSC and other competitive examinations were conducted.

No. of students beneficiaries/participants | 435 |

5.5 No. of students qualified in these examinations

| NET | 03 | SET/SLET | 10 | GATE | --- | CAT | --- |
| IAS/IPS etc | --- | State PSC | 02 | UPSC | --- | Others | --- |

5.6 Details of student counselling and career guidance

- ▪ IQAC recommends to all teachers that they should do beyond the classroom teaching and impart proper guidance to students about seeking jobs in different fields.
- ▪ The members of TPAC organised a counseling session for the enrolled students on 22nd August 2018 and provided the students the information regarding the cell, competitive examinations, private industrial requirements and grooming for the same.
- ▪ Two days workshop was organised in association with Barclays and Global Talent Track, Pune for the final year undergraduate students on 11th and 12th January 2018. Dr.Martin, Trainer from GTT was the resource person for the same. 245 students actively participated in the workshop. The topics covered were personality development, Soft skills, interview techniques and communication skills.
- ▪ One day workshop was organised in association with the CSR of Barclays on 16th February 2018 for the students in final year postgraduate classes. Mr.Shams Syed from Nasik was the resource person. He trained the students on the themes on team work, corporate culture and personality traits.176 students from various faculties participated in the workshop.
- ▪ Campus interviews on behalf of ICICI Bank were conducted by ITM Skills Academy, Pune on 11th April 2018. 32 students were selected in this campus drive for final selection round.
- ▪ Pool Campus Drive in association with Global Talent Track was organized on Sunday, 15th April 2018. Multinational Companies such as Infosys, Syntel, GenPact, Capgemini Business Services, Gallagher, Aditya Birla Sun Life, Bajaj Allianz, Global Talent Track, Bharat Matrimony, Mark Space Media, Tech Mahindra, TLC, and Amdocs participated in the drive. The pool campus drive was open for all the colleges in the vicinity of Kopargaon Taluka. 188 students from five colleges participated in the drive.

No. of students benefitted | 586 |

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
06	68	32	188

5.8 Details of gender sensitization programmes

- "*Virangana Pathak*" (by the girls for the girls) is established every year which looks after the problems of girls students actively.

- Student Welfare Board of our college organized 'Nirbhay Kanya Abhiyan' sponsored by S. P. P. University on 9th December 2018'. Dr. Zia Shaikh guided all girl students regarding the techniques of self defence.

- Self-defence session for girls was organized, Women Grievance Cell is strengthened.

- Women's Welfare Cell functions for the welfare of women staff and students.

- Prevention of Sexual Harassment Cell celebrated International Women's Day and organized workshop for women students on women empowerment.

- Workshop was organized for girl students for their personality development.

- Total Blood check-up camp was organized for girl students.

- A Workshop on "Health Issues among Women in Youth" was organized on 29th January 2018. Dr. Abhijit Shah guided the students with demonstrations.

5.9 Students Activities

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

        State/ University level **55** National level **18** 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 **35** National level **06** International level **--**

    Cultural: State/ University level **12** National level **01** International level **--**

5.10 Scholarships and Financial Support

	Number of students	Amount
Financial support from institution	01	5000
Financial support from government	1718	1,46,19,171.00
Financial support from other sources	119	12,63,000.00
Number of students who received International/National recognitions	Nil	Nil

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 | 06 |

5.13 Major grievances of students (if any) redressed:

- The Girls students' demand for renovation of Cafeteria was fulfilled by college.
- Students demanded the installation of CCTV, which was fulfilled as per their requirement.
- The sports facility in the indoor game hall has been increased after receiving the grievance from the students.
- Parking area was increased for students after receiving a demand from them.

Criterion – VI
6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

<u>**Vision**</u>:

To make the institution a seat of learning, imparting knowledge and global competencies to the students by inculcating among them the human, ethical and civic values and sense of patriotism. The institution prepares the students to face the global challenges in terms of knowledge, research and sustainable development of the nation.

<u>**Mission**</u>:

To make continuous and sincere efforts to impart global knowledge and skills to the students and promote soft skills, entrepreneurship, human values, research attitude, scientific temper and responsible citizenship among the students.

<u>**Objectives**</u>:

- To provide quality and skilled education to masses.
- To introduce necessary short-term and long-term courses whenever necessary, in the light of the vision and mission of the institute.
- To provide opportunities to students and faculty to contribute to the social development and economic growth of the society.
- To inculcate the sense of discipline, environmental consciousness and human values among the students.
- To make continuous efforts for research promotion for improving teaching- learning process and the use of information technology.

6.2 Does the Institution has a management Information System

i. Administrative procedures including finance:

The College Principal acts as facilitator between the governing body and the college staff. All the data concerning various processes is well maintained and principal retrieves data as per the requirements. All the financial transactions are also processed through installed software *'Vridhi'* where it can be easily detected whether the funds allocated are properly utilized or not.

The data in admission includes important aspects such as salary maintenance of teaching & non-teaching and adhoc, balance sheet, PF/ pension, Recruitment procedure, Student admission, correspondence with university, DHE, UGC, Management & other external bodies, RTI correspondence, records maintenance & building maintenance etc.

ii. Student admissions: Information is provided through college website for online admissions of all classes.

iii. Student records:

a) <u>MIS</u>- Management Information System: Basic information of the institution and the data concerning students, personal information, educational qualification, internal examination, performance, attendance records, hostel facility, scholarship information, facility for physically handicapped students and research activity etc. can be accessed through MIS which is maintained in the form of registers & on computers. MIS is very actively functional in our college. Top-down flow of information and bottom-up communication take place very effectively. MIS is active in three layer systems in our college- 1) Local/college level, 2) Department of Higher Education, Govt. of Maharashtra and 3) AISHE, Ministry of HRD, Delhi.

b) <u>CMS</u>- College Management System- For this purpose administration office develops an office network. In this office computerisation the data concerning students, personal information, educational qualification, internal examination, performance, attendance records, hostel facility, scholarship information, facility for physically handicapped students and research activity etc. is maintained.

i. *Evaluation and examination procedures:* Internal evaluation is done on the basis of class tests. The concern faculty transfers the data to the office and the in-charge of attendance. The office maintains a record using university guidelines. Controller of Examination is appointed as per the guidelines of University. In house first year examination of undergraduate course is conducted as per guidelines of S. P. Pune University. Hall tickets of all College and University Examination are provided to the students on college website, from where they can download.

ii. *Research administration:* Records of project done by some undergraduate and postgraduate students is maintained in the concern department. A research committee is appointed to guide the faculty member in assisting their research documentations and solving their queries.

iii. *Other:* For this purpose LAN has been developed and software '*Vridhi*' is installed and being used.

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

6.3.1 Curriculum Development

The curriculum is designed and developed by Savitribai Phule Pune University and implemented by the college. However, the university arranges some workshops for the teachers while designing syllabus. Many of our teachers participate in these workshops every year and give their feedback to the Board of Studies, S. P. Pune University, Pune.

6.3.2   Teaching and Learning

- Preparation of Academic Calendar in the month of April.
- Time Table for all classes is set in the month of April.
- Teaching plans are prepared by all faculty members in April.
- The execution of time-table and teaching plan is done in the next academic year.
- ICT based teaching-learning is preferred by all faculty members.
- *Three Smart Classes* are developed which are used by all faculty members for ICT teaching.
- Film and Drama appreciation programmes are arranged in the form of screening of the play and films in college. Discussion is followed by screening.
- Class seminars and group discussions are arranged by all faculty members in their respective subjects.
- Techno-Fests and PPT competitions are organized in several departments.
- Expert lecture series is organized every year in each department.

6.3.3   Examination and Evaluation

Internal squad, CCTV surveillance, separate examination office with computer, broad band internet, and Xerox copier facility is provided in the college. Computerized results are generated by using *'Vriddhi'* software.

6.3.4   Research and Development

- The office bearers of Kopargaon Taluka Education society management and the Principal always promote research in college by motivating teachers to apply for major and minor research projects. 04 Minor Research Project were completed during this year. The Principal also motivated the staff to register for Ph. D. This year 01 Ph. D. degrees awarded to faculty.
- Four students participated in 'Avishkar-2017' and they were honoured by the University with certificates.
- This year college organized 'Convocation Ceremony' at college level to award Degree Certificate to the students who completed their under graduation from our college.

6.3.5   Library, ICT and physical infrastructure / instrumentation

- Library is well equipped with the OPAC system. The library uses INFLIBNET, database and also has online membership of prestigious institution like British Council Library.
- The college also makes the use of ICT in teaching, learning and evaluation.

6.3.6   Human Resource Management

- IQAC monitors the utilization of human resources in the best possible way.
- Technical support and training is provided to them in college campuses as well as they are sent to participate in training programme organized by other institutes/universities.
- All the staff members of teaching and non-teaching faculty are encouraged for the best performance by appreciating their achievements.
- Kaizen theory of systematic planning and work is adopted by the staff members who improve their performance.

6.3.7   Faculty and Staff recruitment

Teaching faculty is appointed by following the rules and regulations of the Government of Maharashtra and S. P. Pune University, Pune. Non-teaching staff is also appointed in accordance with the rules and regulations of the Government of Maharashtra and S. P. Pune University, Pune. Temporary teaching staff is appointed by the management council of the college at local level on ad-hoc basis. In this procedure of selection also college appoints qualified staff and knowledgeable teachers. In this recruitment the subject experts recommend the candidate and the same candidate is selected.

6.3.8   Industry Interaction / Collaboration

Department of Physics, Chemistry and Geography have undertaken a joint programme in facilitating the local farmers. These departments share their knowledge regarding environmental changes, weather forecast, soil testing and horticulture with the local farmers.

6.3.9   Admission of Students

- For this we form the Admission Committees for counselling the student for their Admission.
- The college started online admissions to all classes from this academic year. The college offers admissions to some courses on first-come-first-serve basis. Such admission can be completed within half an hour by the students. Admission committee recommends the students who are eligible for admission; such students go for direct admission.
- For some courses like M. Sc. Physics and M.Sc. Chemistry & S.Y.B.A. admissions are given on merit basis as per rules and regulations of S. P. Pune University, Pune. In this admission process, the rules of reservations are strictly followed.
- Poor and needy students are offered admission without charging any fees. The college bears their fees and help them in taking higher education.

6.4 Welfare schemes for

Teaching	01
Non teaching	01
Students	02

6.5 Total corpus fund generated   Rs.9,55,000

6.6 Whether annual financial audit has been done   Yes ✓   No ☐

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	Auditors of ISO 9001:2015	Yes	IQAC & Internal Auditors of ISO
Academic	Yes	Green Audit	Yes	IQAC & Internal Auditors of ISO
Academic	Yes	Energy Audit	Yes	IQAC & Internal Auditors of ISO
Administrative	Yes	Auditors of ISO 9001:2015	Yes	IQAC & AAA Committee

6.8 Does the University/ Autonomous College declare 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?

Not Applicable

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

- N.C.C. cadets who are passed out from college, visit college at regular interval of time and guide our students in preparing for military, para-military and police services.
- Mr. Sunil Bora, Mr. Sudhir Daga, Mr. Mukund Bhutada, Mr. Pankaj Lodha,Mr. Amit Shah help poor and needy students in terms of giving them uniforms, bus fares, and admission fees on their own level informally. But now college has decided to register Alumni Association formally and arrange all activities and support through that association.
- The college provided medical aid to Mali Sandip Dilip in terms of medical expenses . The amount is 5000.

6.12 Activities and support from the Parent – Teacher Association

- The meetings of Parent-Teacher Association are held regularly in the college. In these meetings the awareness is created among the parents and students about stress management, the uses and abuses of mobile, commuting problems and solutions as well as to improve the academic performance of their wards.
- As per the suggestion given by the parents, the college provided a bus for the transportation of girl students on no loss-no profit basis.

6.13 Development programmes for support staff

- ▪ The college runs co-operative consumer store for all the staff members and the students. Through this store, the staff and students receive stationery material and consumable items on the basis of no profit-no loss.
- ▪ The college also organized health check-up camp for non-teaching staff. Computer training programme was organized for non teaching staff.
- ▪ The college also organised workshop for teaching and non- teaching staff on stress management.

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

- ▪ The college installed 10kWp Solar Energy Plant which cost around 5.5 lakhs.

- ▪ The college initiated the use of fabric carry bags instead of plastic carry bags.

- ▪ Students of our college planted medicinal plants in the botanical garden.

- ▪ A lecture on 'Water Conservation' was organized in the college.

- ▪ NSS volunteers and NCC cadets planted many trees in college premises to make the campus eco-friendly.

- ▪ The students of department of Botany planted rare plants in nursery.

- ▪ The college developed three layered filtration plant for the drainage water so that the filtered water enters into the Godavari River.

The concept of 'Oxygen Park' was extended at wider level by planting *'Tulshi'* plants in the campus. On 2nd July 2017 six hundred _Tulsi_ Plants were planted in college premises in association with Botany department of our college.

Tree Plantation program was organized at River Godavari Project.

During 1st to 15th September 2017 _Swachhata_ _Pandharwada_ was organized in the college and Kopargaon city. Green Campus day, Clean Canteen Day, Clean Hostel Day activities were organized.

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:

- Considering the Quality Improvement Program (QIP) in the institution, under the guidance of IQAC, Department of Physics organized "National Conference on Renewable Energy and Environment" on 19th & 20th January 2018.
- Department of Physics published a special issue- Peered reviewed International Research Journal – "Science & Engineering" of National Conference on Renewable energy & Environment in January 2018. [UGC Approved Journal No. 63628, ISSN:2322-0015, SJIF Impact factor: 4.13]
- A one day college financed International conference on the theme of "Role of Skill Development for Youth Empowerment and Nation Building" was organized on 25th February 2018. The conference was inaugurated by Dr.Maeen Abdulwali Mohammed, from Sana University, Yemen. Dr. Wadah Ahmed and Prof.Iqbal Shaikh of Sana University, Yemen, Dr.S.M.Kote, Dr.Babasaheb Ambedkar Marathwada University, Aurangabad were the resource persons for the conference. .7 faculties from abroad and 59 faculties from various institutions all over the nation and 127 students actively participated in the same.
- One day workshop on "Programming in C" was organized on 15th Feb 2018. Prof. Manojkumar S. Langote , HOD of MCA department ,PIRENS Technical campus was the resource person for the same.
- Department of English of K.J.Somaiya College ,Kopargaon organized two day state level conference titled, 'Translation on Globalization: Perspectives in Humanities, Science and Commerce' on 12th and 13th January ,2018. The conference was well attended by eminent academicians, renowned poets and writers, research scholars, professors and students from reputed educational institutes. The objectives behind this conference was to explore various themes and major concepts of translation in the globalised world, as an outcomes,34 research papers have been published in the UGC approved journal Research Journey(Multi-desciplinary International –Research Journal)-Special Issues XXXI.
- Department of Economics conducted state level conference on 'Economical Management of Water: Need and Significance'. In this conference special issue of *'Sanshodan Samiksha'-ISSN: 2278-9308 with impact factor 3.20*, a monthly Peer Reviewed International Research Journal, was published which contained 40 full length papers.
- IQAC motivated all teachers to publish research papers in reputed Journals with ISSN, as a result **61** papers were published in National and International Journals. In order to conduct Academic Audit, a Core Committee, comprising the Principal, IQAC Coordinator and Management Representative of ISO were constituted. The academic audit, Green Audit, Energy Audit, and Surveillance Audit of ISO 9001:2015 was held in first week of November 2016.
- **01**- National conference, **02**- State Level Conference and **02** in-house National Level workshops on Robotics and Android System Development (2-Days each) and 03 in-house seminars were organized. It was possible because of the encouragement given to the Departments.
- Training and Placement Cell in association with National Skill Development Council organized one month training programme for the final year students in all faculties in the sectors of Logistics, Retail and Beauty and wellness in March 2017.

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

At the beginning of the academic year 2017-18 the following programmes were proposed and IQAC prepared ATR at the end of same academic year.

- The IQAC proposed to the KTE Society to build third floor above K. J. Somaiya Science and Technology Bhavan

ATR: According to the proposal of IQAC, KTE Society office bearers agreed started the construction work of third floor which will be completed soon.

- The IQAC planned to conduct self-funded International conferences in the departments of Commerce, Geography and Library.

ATR: According to the proposal of IQAC, College organized self-funded International conferences in the departments of Commerce, Geography and Library on February 25, 2018.

- The IQAC has proposed to increase the number of Smart Class Rooms.

ATR: The college increased number of Smart Class Rooms and LCD Projectors allotted to various departments to enhance ICT base education.

- The IQAC proposed to start more Research Center in the college.

ATR: According to IQAC guidelines, the Department of Chemistry and Political Science are in the process of starting of M.Phil. and Ph.D. research centres.

- The IQAC proposes to start PG in Zoology

ATR: As per IQAC suggestion, College submitted the proposal for starting PG in Zoology to the Govt. of Maharashtra and S.P.Pune University and the permission has been given by both the authorities. The course will start soon.

- The IQAC proposed to increase the divisions of M.Sc. Physics and Chemistry.

ATR: As per IQAC suggestion, College submitted the proposal for getting one more divisions to each Physics and Chemistry to the Govt. of Maharashtra and S.P.Pune University and the permission has been given by both the authorities. The additional divisions will start soon.

- The IQAC proposed to establish Intellectual Property Rights Cell.

ATR: Intellectual Property Right (IPR) Cell was established in the department of Commerce with the objective of creating awareness about various intellectual properties such as trademarks, patents, copyrights etc. among the students.

- The college intends to increase the number of organization and participation in conferences, seminars and workshops.

ATR: The number of organization and participation in conferences, seminars and workshops has been increased.

- The IQAC proposed to organise One day workshop on **"Programming in C"** in Computer Science department

ATR: One day workshop on **"Programming in C"** was organized on 15th Feb 2018. Prof. Manojkumar S. Langote , HOD of MCA department ,PIRENS Technical campus was the resource person for the same.

- The IQAC has proposed to enhance the reading room facility.

ATR: According to guidelines given by IQAC, the reading room facility has been increased and the spacious room is available for all faculties.

- The college proposes to increase participation of students in sports & cultural activities.

ATR: The participation in sports activities of students has tremendously increased and many of our students played at State and National level in base ball & Yoga. And 3 students got **Silver medal** in All India Inter-University (National) level in Baseball competition at Haryana02 students got **Bronze medal** in All India Inter-University (National) level in Softball competition at Haryana.

- The IQAC proposed to organize one day workshop on Disaster Management.

ATR:NCC and Students Welfare Board jointly organized one day workshop on Disaster Management with NDRF team.

7.3 Give two Best Practices of the institution

- Save the Nature: Conservation and Utilization of Natural Resources
- Cyber Security: Problems and Solutions

* The details are provided in annexure III

7.4 Contribution to environmental awareness / protection

- The college constructed underground water storage tank to collect rain water. In this water tank 'Rain Water Harvesting' of two buildings has been utilized.
- N.S.S. volunteers cleaned up Godavari river bank and planted tree. These trees are regularly looked after by these volunteers.
- The students of N.C.C. also planted trees on college campus.
- The students of the college gathered plastic garbage and waste materials in the vicinity of Kopargaon tehshil especially during Ganesh festival.
- All the staff members and students of the college initiated cleanliness campaign in college campus on 2nd October 2017on the occasion of Mahatma Gandhi's Birth anniversary.

7.5 Whether environmental audit was conducted?   Yes ✔ No

7.6 Any other relevant information the institution wishes to add.

- An Environmental Awareness Camp was organized by Department of Botany and Zoology to make farmers aware about indiscriminate use of pesticides and its effects on human health.
- Awareness camp to use more vermi-compost instead of chemical fertilizers.

Identified strengths from SWOC Analysis:

Strength from SWOC Analysis-

i. College constructed self funded '*Padma Bhushan Karamasibhai Science and Technology Bhavan'*. In this building the UG and PG laboratories of Physics and Chemistry, Computer Science laboratories, Three Smart Class and Class rooms with five toilet blocks and RO drinking water facility are provided.

ii. New Indoor Game Hall is constructed with all facilities and well equipped 20 stations Gym is also developed.

iii. Use of ICT based teaching and value added programmes have been increased significantly.

iv. Effective MIS and Grievance Redressal Cell.

v. Department of Physics, Chemistry and Geography have undertaken a joint programme in facilitating the local farmers. These departments share their knowledge regarding environmental changes, weather forecast, soil testing and horticulture with the local farmers.

Identified weaknesses from the SWOC analysis:
  i. Limited opportunities in resource generation.
  ii. Limited scope for consultancy services.
  iii. Lack of Guest house
  iv. Limited scope for enrolling out state students.

Opportunities identified from the SWOC analysis:
  i.   Conducting research on local history of Kopargaon tehshil.
  ii. Collaboration with foreign universities and faculties
  iii. Conducting the financial awareness classes among the citizens of Kopargaon tehshil.
  iv. Organizing entrepreneur development programme for the students and masses.

Identified challenges from SWOC analysis
  i. The main occupation of the citizens of Kopargaon tehshil is farming. Kopargaon comes under rain shadow region. So the farmers and parents of our students are always under economic crises. This financial weakness results in to the poor background of students. Because of this, students are unable to pay the fees of university regularly. They pay it in instalments.
  ii. Some of our post from both, teaching and non-teaching, are lying vacant because of lack of No Objection Certificate (NOC) from Govt. of Maharashtra.

8. <u>**Plans of institution for next year:**</u> **(2018-19)**

To increase one more division for each of the following classes:

S.R.	UG Classes	PG Classes
1	F.Y.B.Com	M.Sc. Physics
2	F. Y. B. Sc.	M.Sc. Chemistry

To start M.Sc. in Zoology.

To establish more linkages and collaborations with reputed institutions.

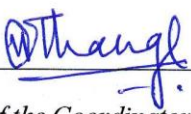To establish MoU with industrial organisations.

To strengthen Mentoring in the college.

To establish more research centers in the college.

To start full time coaching center for Competitive Examinations.

Name Prof. V. C. Thange   Name Dr. B. S. Yadav

Signature of the Coordinator, IQAC   Signature of the Chairperson, IQAC
Prof. Vijay Thange   **Principal**
Co-ordinator, IQAC   K. J. Somaiya College of Arts
K. J. Somaiya College, Kopargaon   Commerce & Science, Kopargaon

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Annexure –I: Academic Calendar of the year 2017-18

Kopargaon Taluka Education Society's
K. J. SOMAIYA ARTS, COMMERCE AND SCIENCE COLLEGE,
Mohanirajnagar, Kopargaon-423601, Dist.- Ahmednagar (M.S.)
ACADEMIC CALENDAR FIRST TERM 15/06/2017 TO 18/10/2017

SUMMER VACATION · DIWALI VACATION

• Working Days: 103   *Change in the schedule due to unavoidable circumstances will be notified in advance.   Principal K. J. Somaiya College, Kopargaon

Kopargaon Taluka Education Society's
K. J. SOMAIYA ARTS, COMMERCE AND SCIENCE COLLEGE,
Mohanirajnagar, Kopargaon-423601, Dist.- Ahmednagar (M.S.)
ACADEMIC CALENDAR SECOND TERM 13/11/2017 TO 30/04/2018

DIWALI VACATION

•••Working Days: 137   *Change in the schedule due to unavailable circumstances will be notified in advance.   Principal K. J. Somaiya College, Kopargaon.

Annexure- II: An analysis of the feedback of the year: 2017-18

FEEDBACK ANALYSIS: 2017-18

The College aims to offer the best possible environment and learning experience to encourage students to perform to their full potential.

Students play a critical part in the evaluation, development and enhancement of the quality of this learning experience. Feedback from students allows the College to evaluate how its service provision is viewed by its most important group of stakeholders, namely its students. The feedback is also obtained from parents and alumni at the time of meeting with them. The random sampling method is used for the collection of feedback.

Students are invited and given feedback forms on an anonymous basis, towards the end of semester / terms. This process occurs on a twice-yearly basis: towards the end of the first semester, in December, and towards the end of the second Semester, in April. In each case, feedback is collected after students have been assessed. The feedback of parents and alumni is also taken at the time of meeting with them.

Student's feedback–

➢ According to 95% students, all teachers have successfully completed their syllabus.

➢ Some of the students (20%) suggested that Teaching Learning Process should be incorporated with the awareness of environmental aspects.

➢ 4% students suggested that some teachers should create interest about syllabus in classroom.

The said feedback is analyzed very minutely by feedback committee and the 'Action Taken Report'-ATR is prepared on it.

➢ The feedback of academic year 2017-18 is analyzed minutely by Feedback Committee which gives following suggestions to the college. They are as follows:

- More rooms be created in Ladies Hostel for accommodation.
- Internet facility be given in library and 4G wi-fi facility be given in college campus.
- Seating capacity of reading room in library should be increased.
- Alumni and Parents have expressed their desire that college should give preference to professional and technical education.
- There should be more research centres.
- Alumni Association should be registered.
- Merit based educational facilities to economically weaker students should be enhanced.

All the above cited suggestions are discussed in IQAC meeting and are complied by the college at the end of this year.

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Annexure- III

<u>**Best Practice: I**</u>

<u>**Title of the Practice:**</u> <u>**Save the Nature:**</u> <u>**Conservation and Utilization of Natural Resources**</u>

The nature is everything around us which surrounds us with beautiful environment. We see and enjoy it every moment. We observe natural changes in it, hear it and feel it everywhere. We should take full advantage of the nature and go out of home for the morning walk daily to breathe pure air and enjoy morning beauty of nature. When sun rises everything looks bright orange and then yellowish. In the evening when sun sets, it again becomes dark, orange and then light dark.

The nature has everything for us but we do not have anything for it even we are destroying its property day by day to just fulfil our selfish wishes. In the modern technological world lots of inventions are getting launched daily without its advantage and disadvantage to the nature. It is our responsibility to save the declining assets of our nature to make possible the existence of life forever on the earth. If we do not take any step towards nature conservation, we are keeping our future generations at danger. We should understand its worth, value and try to maintain its natural shape.

1. <u>**Goals**</u>:

- To carry out Green Audit in securing the environment and cut down the threats posed to human health.
- To determine ways to reduce energy consumption per unit of product output or to lower operating costs.
- To meet the increasing demand of water and supplement laboratories water needs.
- To reduce soil erosion and increase the natural beauty of the landscape and land rehabilitation.
- To create awareness among the students about safe practices of plastic waste management and run a campaign with the help of other agencies who are involved in plastic waste management programs.
- To develop awareness among students about the nature and causes of energy related challenges being faced by humankind.
- To make the students aware of various types of non-renewable and renewable sources of energy.
- To motivate and prepare the students to make efforts towards development and implementation of alternative strategies to face various challenges faced by energy sector.
- To develop functional values and attitudes in the students towards harnessing of renewable energy sources.
- To create the awareness among society in general and students in particular about water pollution and epidemic diseases due to it.
- To conserve and beautify the Godavari River bank.

2. **The Context:**

➢ Education is one of the most effective means for providing solutions to the problems faced by the society. Renewable energy education, in essence, is the treatment of various topics and issues related to renewable energy resources and technologies as an independent subject. The broad objectives of renewable energy education pertain to providing functional knowledge and understanding of facts, concepts, principles and technologies for harnessing of renewable sources of energy. Therefore, depending upon its level, the role of a renewable energy education programme should be educative, informative, investigative and imaginative. Renewable energy education and more broadly the energy education has to have the entire population as its target audience.

➢ The intention of organizing Green Audit is to upgrade the environment condition in and around the institutes, colleges, companies and other organizations. It is carried out with the aid of performing tasks like waste management, energy saving and others to turn into a better environmental friendly institute.

➢ The Energy Audit would give a positive orientation to the energy cost reduction, preventive maintenance and quality control programmes which are vital for production and utility activities. Such an audit programme will help to keep focus on variations which occur in the energy costs, availability and reliability of supply of energy, decide on appropriate energy mix, identify energy conservation technologies, retrofit for energy conservation equipment etc.

➢ Renewable energy education programmes should be efficient and economic (maximum number of people educated within available financial resources) besides being effective in achieving the desired objectives. To the extent possible, the university level teaching/training programmes on renewable energy education in particular and all other initiatives, in general, must ensure employment/self employment to the students upon successful completion.

➢ Plastic is now an integral part of the everyday activity of human life and one cannot rule out the advantages of plastic but the disadvantages can be reduced to some extent if certain tips to deal with plastic waste are followed and these are:

➢ Prohibition on manufacturing/selling of certain plastic material/bags: Some governments in the developed and developing countries has prohibited the manufacture and selling of plastic bags or material that contains more than the standard prescribed microns of plastic. By this way, the excessive dependence on plastic has been controlled to some extent.

- ➢ Using paper bags and other cloth materials as shopping bags for a customer can be useful. It is suggested to use paper bags and bags made with cloth material such as jute, cotton etc while going for shopping or for purchasing grocery items.

- ➢ In this way, we as individuals can rely less on the plastic bags while going on a shopping spree.

- ➢ Thus the use of plastics can be controlled and we can also give a lending heart for an effective waste management system.

- ➢ One of the biggest outputs of the *'Ganesh Chaturthi'* festival is the tonnes of *'nirmalya'* - the offerings collected during the immersion. These offerings are made of several items: flower garlands, fruits, coconuts, spices, honey and camphor. While most of the offerings themselves are made of natural items, they come wrapped in plastic bags, plastic boxes or glass bottles.

- ➢ Traditionally, these items were meant to be immersed with the Ganesh idols, as an offering back to nature. However, since immersion of these on large scale is bound to cause problems, the NSS volunteers of our college has successfully convinced devotees to deposit their *'nirmalya'* bags in a trolley near the ghats. Yet, the fact that non biodegradable materials such as plastic or thermocol accompany the offerings, makes it necessary to appropriately manage the *'nirmalya'* collected. From 2009, NSS Volunteers including NCC Cadets and Nagar Parishad Kopargaon, came together to take this process one step forward.

- ➢ The NSS volunteers will collect the nirmalya bags and make sure all the contents of the bags are correctly separated into biodegradable and non biodegradable substances. Food items such as fruits and coconuts are taken home by the women or distributed to the poor. The bulk of the flowers collected will be composted by the Kopargaon Nagar Parishad.

- ➢ This project has received the approval and support of both the Kopargaon Nagar Parishad as well as the authorities of Kopargaon Taluka Education Society.

3. **The Practice:**

- • At the beginning of the year IQAC gave guidelines to all the departments to conduct the activities in concern with conservation of nature and utilization of natural resources. Accordingly many departments planned their activities in tune with the guidelines given by IQAC.

- • The Department of Physics organized "National Conference on Renewable Energy and Environment" on 19th & 20th January 2018.

- • Department of Physics published a special issue- Peered reviewed International Research Journal – "Science & Engineering" of National Conference on Renewable energy &

Environment in January 2018. [UGC Approved Journal No. 63628, ISSN:2322-0015, SJIF Impact factor: 4.13]

- 08 Recourse Persons delivered lectures on different valuable topics related to "Renewable Energy & Environment". 39 faculty members & 17 students belong to different university & colleges of Maharashtra state participated in the National conference. Also 11 participants from all India & 81 students from our college participated in this conference. This conference was very fruitful for all the faculty members and student participants regarding **"Renewable Energy & Environment"**

- The college has developed the best mechanism to harvest the rain water. Rain water storage tank of 150000 litres has built-up and the rain water goes in it from the roof of Gymkhana and science building through separate pipeline.

- One of the best eco-friendly practices is that of solar energy. The college has established Street Solar Light of approximate Rs.150000.00. This gives light all over campus and saves the electricity bill of the worth of Rs. 25000 per year. The Boys and Girls Hostel are well-equipped with solar water heater facility.

- The College has developed mechanism to save the electricity by going for energy audit. It has saved our electricity tremendously.

- The college has completed Green audit of the campus and identified some rare species of the plants which are being taken care of.

- Under the motto 'Clean College, Green College', the institute has developed plastic garbage management mechanism.

- 'River Godavari Cleaning Campaign' is undertaken as a long term project. Also, NSS volunteers help to collect *'Niramalya'* (waste material) during *'Ganpati Idol Immersion'* Programme nearby Godavari River during every year.

- Plastic material is not used on campus by all the stake holders of the institute. The college initiated the use of fabric carry bags instead of plastic carry bags.

- A lecture on 'Rain Water Harvesting' was organized in the college.

- Under the motto 'Go Green & Plant a Tree', NSS volunteers and NCC cadets planted many trees in college premises to make the campus eco-friendly. Also, Tree plantation project at the bank of the Godavari River is also undertaken by college. Last year trees were guarded with steel grills. Students of our college planted medicinal plants in the botanical garden.

- The college started production of vermicompost by using dry leaves and waste material collected on the premises.
- The students of department of Botany planted rare plants in nursery.
- The college developed three layered filtration plant for the drainage water so that the filtered water enters into the Godavari River.

4. **Evidence of Success:**

- N.S.S. Unit has worked consistently towards eco-friendly agenda of the college. This unit has worked in beautify the Godavari river and tree plantation. As a result, S. P. Pune University has recognized our NSS Unit as a best unit in Ahmednagar District and NSS Programme Officer as a best Programme Officer in Ahmednagar District.
- The activity of *'Niramalya'* during *'Ganpati Idol Immersion'* was appreciated by Kopargaon Nagar Parishad and Police Station Kopargaon by felicitating & awarding a Certificate of Appreciation.
- Our college has strictly prohibited the usage of plastic carry bags and had gone for eco-friendly fabric bags.
- The college has built-up a large water storage tank to collect rain water from roof of building and said rain water is being used for distilled water in Chemistry Laboratories and other purposes.
- The college has installed solar street light panels in the premises and it helps to reduce electric energy consumption.

5. **Problems encountered and resources required:**

- Kopargaon region comes under rain shadow zone and hence water scarcity is the permanent problem. It hampers the nurturing of trees planted.
- It is difficult to change the age-old habits of human beings. So, we are taking serious efforts to give up these habits such as use of plastics and throwing garbage in the river.

6. **Notes:**

The collection of **rainwater** from the roofs of buildings can easily take place within our cities and towns, not just in India. All that is necessary to capture this water is to direct the flow of rainwater from roof gutters to a rainwater storage tank. By doing this, water can be collected and used for various uses. It is a technique of increasing the recharge of groundwater by storing rainwater locally, through roof water harvesting, refilling of dug wells, recharging of hand pumps, construction of percolation pits, trenches around fields and bunds or dams on small rivulets.

     The Solar Energy a clean renewable resource with zero emission has got tremendous potential of energy which can be harnessed using a variety of devices. With recent developments, solar energy systems are easily available for industrial and domestic use with the added advantage of minimum maintenance. Solar energy could be made financially viable with government tax incentives and rebates. Most of the developed countries are switching over to solar energy as one of the prime renewable energy source. The current architectural designs make provision for photovoltaic cells and necessary circuitry while making building plans. The National Solar Mission is a major initiative of the Government of India and State Governments to promote ecologically sustainable growth while addressing India's energy security challenge. It will also constitute a major contribution by India to the global effort to meet the challenges of climate change. The objective of the National Solar Mission is to establish India as a global leader in solar energy, by creating the policy conditions for its diffusion across the country as quickly as possible. The immediate aim of the Mission is to focus on setting up an enabling environment for solar technology penetration in the country both at a centralized and decentralized level. The National Action Plan on Climate Change also points out: "India is a tropical country, where sunshine is available for longer hours per day and in great intensity. Solar energy, therefore, has great potential as future energy source. It also has the advantage of permitting the decentralized distribution of energy, thereby empowering people at the grassroots level".

     The Energy Audit would give a positive orientation to the energy cost reduction, preventive maintenance and quality control programmes which are vital for production and utility activities. Such an audit programme will help to keep focus on variations which occur in the energy costs, availability and reliability of supply of energy, decide on appropriate energy mix, identify energy conservation technologies, retrofit for energy conservation equipment etc.

     The Green audit was initiated with the beginning of 1970s with the motive of inspecting the work conducted within the organizations whose exercises can cause risk to the health of inhabitants and the environment. It exposes the authenticity of the proclamations made by multinational companies, armies and national governments with the concern of health issues as the consequences of environmental pollution. It is the duty of organizations to carry out the Green Audits of their ongoing processes for various reasons such as; to make sure whether they are performing in accordance with relevant rules and regulations, to improve the procedures and ability of materials, to analyze the potential duties and to determine a way which can lower the cost and add to the revenue. Through Green Audit, one gets a direction as how to improve the condition of

environment and there are various factors that have determined the growth of carrying out Green Audit. In general, Audit is the translation of conservation ideas into realities, by lending technically feasible solutions with economic and other organizational considerations within a specified time frame.

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Best Practice No.-II:

1. Title of the Practice: Cyber Security: Problems and Solutions

Cyber crime is one of the fastest growing areas of crime. More and more criminals are exploiting the speed, convenience and anonymity that modern technologies offer in order to commit a diverse range of criminal activities. These includes attacks against computer data and systems, identity theft, the distribution of child sexual abuse images, internet auction fraud, the penetration of online financial services as well as the deployment of viruses and phishing. The global nature of the Internet has allowed criminals to commit almost any illegal activity anywhere in the world, making it essential for all countries to adapt their domestic offline controls to cover crimes carried out in cyber world. The maximum use of internet through smart phones poses a serious threat to national and international security.

2. Goals:

The development goals and the role of Cyber crime: Awareness and Security are as follows:

1) To make students and society familiar with the concept of 'Cybercrime'.

2) To know the changing nature of cyber crime.

3) To create awareness about cyber crime.

4) To provide information about career opportunities in cyber security.

3. The Context:

Today the internet allows users to gather, store, process and transfer vast amount of data, including proprietary and sensitive business, transactional and personal data. At the same time the populations even at Tehsil level rely more and more on such capabilities. The population includes businessman and the consumers. Cyber security threats evolve as security threats and continue to plague the internet economy. The constantly evolving nature of threats and vulnerabilities affects individual firms and their customers as well as national security channel; so sharing responsibility to protect cyber security is becoming more important. Lacks of unprotected computers are connected to internet, which means security deficiencies in a limited number of systems can be exploited to launch cyber attacks on other systems.

Tehsil place are safe for the hackers, social network attackers and for cyber criminal groups. The security personals focus their attention towards metro cities and hence it takes time to detect the cyber crime.

The college expects a positive initiative from the society if the students are given proper education regarding cyber security and safeguard the data of every organization, individual by creating value based system and provision the provision of Information Technology Act.

3. **The Practice:**

The students of first year are informed about the limited use of social media in the campus and the society. They are informed about the Information Technology Act through the display of posters, notice and hoardings. The lectures of eminent professionals from IT sector are organized for the students every year. The Department of Computer Applications and Computer Science jointly organize a campaign throughout the year for achieving the above goals and secure the society.

4. **Evidence of Success:**

This year college decided to bring a special issue of college annual magazine on social media and online games at the beginning of the year. Accordingly all the activities were planned and students were motivated to write on social media from all angles. This activity was planned in tune with this best practice to spread awareness among the students about cyber security in social media. At the end of the year it was noticed that students were fully aware of cyber security and its pros and cons. They wrote extensively on social media and its uses and abuses, online games, uses and misuses of internet. All the articles written by students and faculty members have been incorporated in Godatarang, our college annual magazine.

Several Non Government Organizations, Cyber cafes, IT Professionals from Pune, Aurangabad, Nasik, and Mumbai are invited to share their experiences with the students and masses directly. The Practical approach is also maintained for the same.The college has signed MoU with the Intelligent Quotient Security System, Pune for the same.

The college distributes the leaflets containing the information about punishment for various cyber crimes and circulates the same in the Tehsil periodically.

The college organizes a workshop for the police personnel's in the district which is headed by the Superintendent of Cyber Cell every year.

The teachers and the students in post graduate department of Computer Applications visit various schools, colleges, and private coaching classes to deliver the lecture and create the awareness about cyber security.

The college has prepared a small booklet containing the IT Act and its provisions. This booklet is issued to the libraries of various colleges at free of cost.

The students with their faculty members of various streams participate in the various workshops, seminars and symposiums on the theme of Cyber Security.

Techno-Fest is one of the most popular events in the college in which students of various faculties participate in the events of technology and computer programming. It includes paper presentation as one of the compulsory activity for every participant.

This activity of college has been appreciated by the newspapers, renowned personalities, social workers in the Tehsil and the police department. The college receives several requests from the local associations in the vicinity to deliver the lecture or organize an exhibition on the issue of cyber security.

5. **Problems encountered and resources required:**

Kopargaon Taluka is situated at around 100 kms from the district places of Ahmednagar, Aurangabad and Nasik. It has 4 international schools, Engineering College and around 5 colleges imparting traditional and professional courses. The students in these colleges have regular contacts with the cities in metros or at district levels. The nuisance values regarding cyber are easy to spread in spite of continuous counselling. There is no cyber cell with the government officials of Kopargaon Tehsil which also creates a problem for us to communicate with the office bearers for counselling.

The college needs a strong support in the form of expert guidance from the Government cyber cell and also economic support to continue with the activity.

6. **Notes:**

Cyber is prefix derived from a Greek adjective 'cybernetic' which means skilled in steering or skilled in governing. Cybernetic also means control of speech and functional process. Cyber power is a new power to every individual, group, society and nation. Today's cyber world is full of ICT devices or gadgets. The security of all the sorted data, messages, communication, identity, password, PIN's, personal information is termed as cyber security. The Do's and Don'ts of cyber security need to be promoted to the early users of internet. Privacy and data theft are today the top security issues that organizations need to focus in coming years. Cyber espionage and social networking attacks will be the trend to watch together with other more traditional threats. It also has the effects on human life. The strength of health disaster and virtual reality is also increasing, cyber games, messaging, pornography, chatting, videos and music downloads are occupying most of our time and educating the masses become more necessary in the field of cyber education.