ANNUAL QUALITY ASSURANCE REPORT
(AQAR 2014-15)

Submitted t*o*

National Assessment and Accreditation Council

(NAAC)

by

Shri Shivaji Education Society Amravati's

Science College
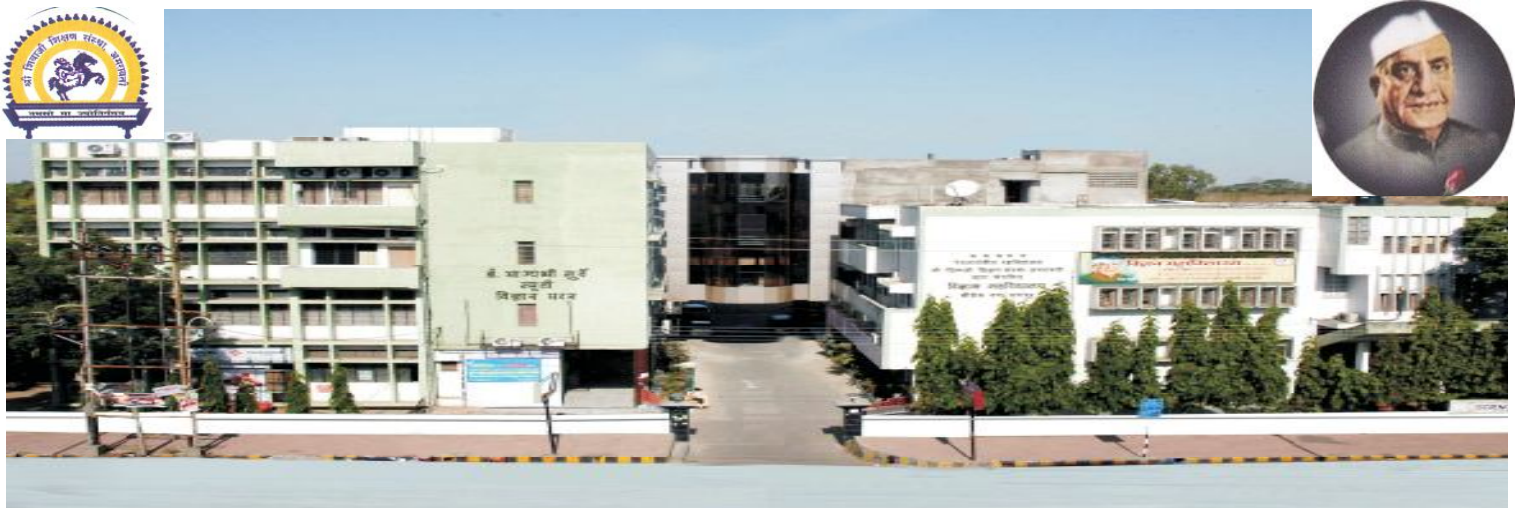## Congress Nagar, Nagpur-440012(M.S.)

2014-15

Affiliated to RTM Nagpur University,Nagpur	Reaccreditated 'A' Grade college by NAAC	College with Potential for Excellence	Institutional Member of Asia Pacific Quality Network (APQN)

The Annual Quality Assurance Report (AQAR) of the IQAC

Part – A

AQAR for the year

2014-15

1. Details of the Institution

1.1 Name of the Institution

Shri Shivaji Education Society Amravati's, Science College, Congress Nagar, Nagpur

1.2 Address Line 1

Humpy Yard Road, Near Ajani Railway-station Congress Nagar, Nagpur -440012

Address Line 2

Humpy Yard Road, Near Ajani Railway-station Congress Nagar, Nagpur -440012

City/Town

Nagpur

State

Maharashtra

Pin Code

440012

Institution e-mail address

shivajiscience_ngp@yahoo.com

Contact Nos.

0712-2423432

Name of the Head of the Institution:

Dr. D. K. Burghate, Principal

Tel. No. with STD Code:

0712-2440955

Mobile:

9422306680

Name of the IQAC Co-ordinator:

Dr G R Avachar

Mobile:

9421845390

IQAC e-mail address:

g.avchar@rediffmail.com

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

MICOXX 1010167

OR

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

EC/52/RAR/21 dated 28-03-2010

1.5 Website address:

www.sscnagpur.edu.in

Web-link of the AQAR:

www.sscnagpur.edu.in/AQAR/2013-14.doc

1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1st Cycle	Five Star	-	15-05-2002	15-05-2002
2	2nd Cycle	A Grade	3.19	28-03-2010	28-03-2010
3	3rd Cycle	--	--	--	--
4	4th Cycle	--	--	--	--

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

15/07/2004

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

  i. *AQAR 2010-11 submitted to NAAC on 23/06/2011*
 ii. *AQAR 2011-12 submitted to NAAC on 26/06/2012*
iii. *AQAR 2012-13 submitted to NAAC on 28/09/2013*
 iv. *AQAR 2013-14 submitted to NAAC on 20/10/2014*

1.9 Institutional Status

University   State [--] Central [--] Deemed [--] Private [--]

Affiliated College   Yes [√] No [ ]

Constituent College   Yes [ ] No [√]

Autonomous college of UGC   Yes ☐   No ☑

Regulatory Agency approved Institution   Yes ☑   No ☐
(eg. AICTE, BCI, MCI, PCI, NCI)

Type of Institution   Co-education ☑   Men ☐   Women ☐

Urban ☑   Rural ☐   Tribal ☐

Financial Status   Grant-in-aid ☐   UGC 2(f) ☑   UGC 12B ☑

Grant-in-aid + Self Financing ☑   Totally Self-financing ☐

1.10 Type of Faculty/Programme

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

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

Others   (Specify)   BCA, MCA

1.11 Name of the Affiliating University *(for the Colleges)*   Rashtrasant Tukdoji Maharaj, Nagpur, University, Nagpur.

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

Autonomy by State/Central Govt. / University ☐

University with Potential for Excellence ☐   UGC-CPE ☑

DST Star Scheme ☐   UGC-CE ☐

UGC-Special Assistance Programme ☐   DST-FIST ☐

UGC-Innovative PG programmes ☑   Any other *(Specify)*   ☑ **(Inspire)**

UGC-COP Programmes ☑

2. IQAC Composition and Activities

2.1 No. of Teachers | 12

2.2 No. of Administrative/Technical staff | 02

2.3 No. of students | 01

2.4 No. of Management representatives | 01

2.5 No. of Alumni | 01

2. 6 No. of any other stakeholder and community representatives | 01

2.7 No. of Employers/ Industrialists | -

2.8 No. of other External Experts | 01

2.9 Total No. of members | 19

2.10 No. of IQAC meetings held | 11

2.11 No. of meetings with various stakeholders:　No. | 02 　Faculty | 05

Non-Teaching Staff Students | 02 　Alumni | 01 　Others | 01

2.12 Has IQAC received any funding from UGC during the year?　Yes ☐　No √

If yes, mention the amount | --

2.13 Seminars and Conferences (only quality related)

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

Total Nos. | 01 | International ☐ | National √ | State ☐ | Institution Level ☐

(ii) Themes

National Seminar on Institutional Quality Improvement:
Role of Governance, Leadership and Management (NSIQI - 2014)

2.14 Significant Activities and contributions made by IQAC

- National Seminar conducted on Institutional Quality Improvement: Role of Governance, Leadership and Management (NSIQI - 2014) during August 8-9, 2014.
- Workshop on importance of "Modern Education in skill Development and Role of Teacher" Training Programme of Nonteaching Staff on December 5, 2014.
- One day Workshop on "Discover and strengthen your core competency" "BLOSSOM 2014" held on Sept 16, 2014 Themes: Workshops on 'Career after B.Sc.', 'Effective Public Speaking', 'Career in Chemistry' and 'Leader in you'
- Farmers workshop on "Honey Bee Keeping and Apiculture" at Golewadi village, Dist. Bhandara and Workshop on Bee keeping and Apiculture for urban farmers at Maharaj Bagh, Nagpur
- Workshop on Cosmetics and Allied Products Organized by Department of Chemistry
- An Intercollegiate Elocution Competition was organized to mark 4th birth anniversary of Swami Vivekananda on 1^{2th} January 2015.
- 15th Vaidya - Raychaudhari Endowment Award Lecturer. 7th January 2014
- First International Congress of Science and Technology for Man, Conservation of Biodiversity through Technological and social approach an International conference in collaboration with Vishwashanti Multipurpose Society & University of commerce at Bangkoak, Thialand on 21st to 23rd May, 2014
- Second International Congress of Science and Technology for Man, Conservation of Biodiversity through Technological and social approach an International conference in collaboration with Vishwashanti Multipurpose Society & Sadam Sevana Organization, of Sri Lanka on 19th to 21st May, 2015
- International Symposium on Ultrasonics Ultrasound in Biomedical and Industrial Application in collaboration with Department of Physics RTM Nagpur University, Nagpur & Ultrasonics Society of India
- Student Faculty Exchange Programme with CMS College, Coimbtore, Tamilnadu.
- International counsellor, Margid Burn (Australia), WIPF member interacted with Students.
- Alumni meet -2014 organized by Alumni Association on 3rd Jan 2015
- A Programme on Forest Conservation Day 23 Jully 2014
- Dr. Swaminathan guided the students about organic farming
- Workshop on Environment Protection and Conservation of Birds organized by Department of Zoology
- Workshop on roof top farming organized by Department of Botany 14 Feb 2015.
- A 'Clean Campus and Green Campus' rally was organized on the occasion of Clean India Mission by Prime Minister (Swachata Abhiyan) on 2nd October 2014
- A seven days special services camp was organized at Yerala (Gonhi) village on the aegis of National Service Scheme (NSS).
- Nutritional counselling Program
- Workshop on Enterprenuership: preparation of bags from used sarees
- Workshop on World Water Day on 22 March 2015.
- Womens Day Celebration on 8 th March 2015.
- Celebration of World Aids day and awareness week on 1 st Dec 2014.
- Martial Art training for girls students organized by Women Cell
- The NSS unit organized the rally "Jammu and Kashmir relief Funds" for flood affected peoples in Jammu and Kashmir areas and collected amount about Rs. 35000/- rupees that handed over to District Collector.

- Organization for Industrial, Spiritual & Cultural Advancement (OISCA), Western India Chapter, Nagpur is established in May 2015 at this college.
- One Day workshop on JAVA on 9th September 2014
- A guest Lecture on Regression techniques activity
- MoUs signed and exchanged with "Asha Infotech, Nagpur" on 23rd March 2015. TATA CMC Subsidiary, Nagpur 10th July 2014
- Gyan Nidhi Aptitude Test Conducted.
- Celebration of Eco-friendly Holi, Eco-friendly Rakhi competition
- Earthen Pot distributed
- Workshop on Soil less Organic Farming Workshop on Mushroom Cultivation at Gurukul Ashramshala.
- Video lectures of few teachers are made viral on website of college
- IQAC reviewed the academic performance and conducted the academic audit of all the departments by visiting the departments
- All Head of the departments and Convener of various committees presented their academic performance before IQAC through the power point presentation and IQAC suggested steps to improve overall performance

2.15 Plan of Action by IQAC/Outcome

The plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement and the outcome achieved by the end of the year *

Plan of Action	Achievements
To Reconstitute of IQAC committee as per requirement	The IQAC is reconstituted which includes Teachers, Administrative Staff, Technical staff, Stakeholder, Management Representatives, External Experts, Alumni, Student Representatives etc.
Preparation and electronic submission of AQAR 2013-14	IQAC prepared AQAR for the year 2013-14 and submitted on 20/10/2014 through e-mail.
To encourage all departments to conduct Conference / Seminars / Workshops/Guest Lecture of Emineant Personalities	Department of Zoology organised First International Congress of Science and Technology for Man, Conservation of Biodiversity through Technological and social approach an International conference in collaboration with Vishwashanti Multipurpose Society & University of commerce at Bangkoak, Thialand on 21st to 23rd May, 2014. Department of Zoology organised Second International Congress of Science and Technology for Man, Conservation of Biodiversity through Technological and social approach an International conference in collaboration with Vishwashanti Multipurpose Society & Sadam Sevana Organization, of Sri Lanka on 19th to 21st May, 2015. Department of Chemistry in collaboration with IGNOU and Royal Society of Chemistry (London) West India organised National Symposium in chemistry on "Advancing Chemical Sciences" 7 Feb 2015. Department of Chemistry in collaboration with Science College Pauni organised National Conference on "Impact of Human Action on Environment" (NCIHAE-2015) 28 Feb 2015. Department of Physic organised International Symposium on Ultrasonics Ultrasound in Biomedical and Industrial Application in collaboration with Department of Physics RTM Nagpur University, Nagpur & Ultrasonics Society of India on 22-24 Jan 2015. IQAC organised National Seminar on Institutional Quality Improvement: Role of Governance, Leadership and Management (NSIQI - 2014) IQAC conducted workshop on 'Importance of Modern Education in Skill Development and Role of Teacher" and also organised 'Training Programme of Nonteaching Staff'. Department of Library organised National Conference on 'Trends and Challenges in Management of Acadmic Libraries in New Information Enviornment" Department of Electronics conducted Guest Lecture on 'Regression Techniques on Biomedical Application Department of Computer Science conducted one day workshop on JAVA for Post Graduate students Department of Zoology conducted workshop on 'Environment Protection and Conservation

	of Birds'
	Department of Botany conducted a workshops on 'Soil less Organic Farming', 'Mushroom Cultivation' and workshop on 'Roof Top Farming'
	One day Workshop on "Discover and strengthen your core competency" *BLOSSOM 2014* Workshops on 'Career after B.Sc.', 'Effective Public Speaking', 'Career in Chemistry' and 'Leader in you"
	Farmers workshop on "Honey Bee Keeping and Apiculture" at Golewadi village, Dist. Bhandara and Workshop on Bee keeping and Apiculture for urban farmers at Maharaj Bagh, Nagpur
	Workshop on Cosmetics and Allied Products Organized by Department of Chemistry
	Department of Mathematic organised 15th Vaidya - Raychaudhari Endowment Award Lecturer'on 7th January 2014
	One Day Workshop on Awareness about Sexual Harassment Act 2013 Organized by I.C.C. (Internal Complaint Committee) on 15th August 2014
To encourage faculty members and students in various conferences and seminars	Faculty members and students participated in various international, national and state-level conferences/ seminars/ workshops
To encourage students to participate in college, university and national level sports	Students actively participated in college, university and national level and won many laurels.
To Conduct Academic Audit	Academic Audit was done by the Principal with the help of IQAC Members.
To arrange Parent Teacher Meet	The Parent - Teacher Meet was arranged and a feedback was taken.
To celebrate Birth Anniversary of Founder President Late Dr Panjabrao alias Bhausaheb Deshmukh	TheBirth Anniversary of Founder President Late Dr Panjabrao alias Bhausaheb Deshmukh was celebrated on 27/12/2014. Various competitions, cultural functions, Games and sports events were organised during the celebration.
To take feedback from students	Feedback collected from students after the session is over.

*Attach the Academic Calendar of the year as Annexure. **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 statutory body (The Local Managing Committee) has taken the note of AQAR submitted to NAAC. |

Criterion – I

1. Curricular Aspects

1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
PhD	02	03	05	--
PG	05	--	05	--
UG	13	--	01	--
PG Diploma	01	--	01	--
Advanced Diploma	-	---	-	---
Diploma	-	--	--	-
Certificate	09	--	06	09
Others	02 (BCA,MCA)	--	02	--
Total	32	03	20	09

Interdisciplinary	02	--	--	--
Innovative	01	--	--	--

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

   (ii) Pattern of programmes:

Pattern	Number of programmes
Semester	21
Trimester	--
Annual	01

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

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

****Please provide an analysis of the feedback in the Annexure:* Annexure-II**

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

Yes**:** University introduced Semester pattern for UG and PG Courses and syllabi is modified.

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

Yes, R T M Nagpur University, Nagpur has recognised this College as a Centre for Higher Learning and Research in the Subject Computer Science, Physics and Mathematics from the year 2014-15

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors/Principal	Others
38	15	22	01	--

2.2 No. of permanent faculty with Ph.D.

30

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
--	15	--	--	--	**01 + 02(CAS)**	--	--	--	15

2.4 No. of Guest and Visiting faculty and Temporary faculty

12   04   50

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	21	28	01
Presented papers	18	21	--
Resource Persons	01	03	--

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

- Bridge courses in the begining of the session.
- Students Seminars are organised by various departments.
- Establishing the session plan by the depts. for every subject, well before the commencement of each semester.
- Teacher's study materials are shared with students.
- Teaching faculty and students are encouraged to use latest technology such as LCD, internet, smart board etc., in the teaching learning process
- Remedial Classes for weaker students.

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

180

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

Surprise Test, Quiz Competition on Syllabi

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

08	01	02

2.10 Average percentage of attendance of students

>80

2.11 Course/Programme wise distribution of pass percentage:

Title of the Programme	Total no. of students appeared	Division				
		Distinction %	I %	II %	III %	Pass %
B. Sc. Final	318	7.25	27.46	55.95	09.33	60.69
M. Sc. (Chemistry)	19	5.26	26.31	00	00	26.31
M. Sc. (Computer Science)	25	00	05.00	02.00	00	28.00
M. Sc. (Microbiology)	20	10.00	95.00	05.00	00	100.00
M. Sc.(Physics)	09	20.00	80.00	00	00	55.55
M. Sc.(Mathematics)	18	00	05.55	00	00	00
BCA Final	19	00	01.00	07.00	01.00	73.68
MCA Final	26	00	23.00	03.00	00	100.00

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

- Through Bench Marking
- Regular visit of the departments by the Principal and IQAC members to monitor the functioning of the departments.
- Student feedback is collected and corrective action taken.
- Result analysis is discussed in IQAC meetings, College Council's meeting and Local Management Committee's meeting.
- Regularly arranges faculty enrichment programmes through seminars and workshops.
- Conduct Unit Test, Terminal examination & Test examination.
- By interacting with the students and faculty members on various academic matters.
- By notifying various schemes of UGC meant for betterment of teaching and learning.
- By conducting academic audit of various departments and committees through departmental visit and through their power point presentation before IQAC.
- By proposing various methods to make the teaching more students centric.
- Video lectures of few teachers are made viral on website of college

2.13 Initiatives undertaken towards faculty development

Faculty / Staff Development Programmes	*Number of faculty benefitted*
Refresher courses	03
UGC – Faculty Improvement Programme	01
HRD programmes	01
Orientation programmes	01
Faculty exchange programme	02
Staff training conducted by the university	--
Staff training conducted by other institutions	--
Summer / Winter schools, Workshops, etc.	02
Others	--

2.14 Details of Administrative and Technical staff

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	10	06	--	06
Technical Staff	44	12	--	09

Criterion – III

3. Research, Consultancy and Extension

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

- Established Research Committee for monitoring, promoting and to encourage the faculty for research in the concerning subject.
- Projects to M. Sc. II students.
- Arranged guest lecture on research methodology
- Established linkages with institution / organizations for training and R & D
- Steps had taken to seek recognition by university for more subject as a place of higher learning and research.
- Regular posting of upcoming seminars, conferences, etc. by the research committee.
- Facilitated minor / major project proposals for research.
- Facilitated research work, paper presentations and publications in suitable Journals.
- Recommendations were made to provide more facilities along with financial assistance to the researchers.
- Faculties are felicitated by awarding them cash prize for their paper publication in the Journals of repute.
- Best researcher award is instituted by the college
- Financial Assistance is given to attend the International Conference/ Symposium.

3.2   Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	01	03	-	-
Outlay in Rs. Lakhs	6, 81, 000 =00	32,19,900	-	-

3.3   Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	06	03	02	05
Outlay in Rs. Lakhs	6, 37,000 =00	7,40,000 =00	5,25,000=00	---

3.4   Details on research publications

	International	National	Others
Peer Review Journals	82	07	00
Non-Peer Review Journals	00	00	00
e-Journals	22	02	00
Conference proceedings	08	03	00

3.5 Details on Impact factor of publications:

Range [0.0783-5.6]   Average [2]   h-index [1-4]   Nos. in SCOPUS [09]

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	2012-15	UGC	9, 80, 000/-	6, 40, 000/-
	2012-15	UGC	10, 96, 300/-	7, 54, 800/-
	2012-15	UGC	11, 42, 800/-	11, 42, 800/-
	2014-16	DAE	23,33,000/-	12,08,200/-
Minor projects	2012-14	UGC	1,70,000/-	2,60,000/- (Che)
	2013-15	UGC	1,35,000/-	
	2014-16	UGC	7,95,000/-	2,95,000/- (Zoo)
	2012-14 &2014-16	UGC	4,72,000/-	3,48,500/- (Bot)
	2015-17	UGC	1, 50, 000/-	1, 15, 000/- (Math)
Interdisciplinary Projects	--	--	--	---
Industry sponsored	--	--	--	--
Projects sponsored by the University/ College	--	--	---	--
Students research projects *(other than compulsory by the University)*	--	--	--	--
Any other(Specify)	--	--	--	--
Total				

3.7 No. of books published   i) With ISBN No. | 21 | Chapters in Edited Books | 01 |

ii) Without ISBN No. | --- |

3.8 No. of University Departments receiving funds from

UGC-SAP | -- | CAS | -- | DST-FIST | -- |

DPE | | DBT Scheme/funds | -- |

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

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

3.10 Revenue generated through consultancy | 54,360/- |

3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
Number	03	03	--	01	--
Sponsoring agencies	Vishwashanti	UGC/NAAC		College	

3.12 No. of faculty served as experts, chairpersons or resource persons | 08 |

3.13 No. of collaborations: International [03]   National [06]   Any other [09]

3.14 No. of linkages created during this year   [04]

3.15 Total budget for research for current year in lakhs:

From Funding agency [71, 24,100]   From Management of University/College [5, 00, 000/-]

Total   [76,24,100/]

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	01
	Granted	--
International	Applied	--
	Granted	--
Commercialised	Applied	--
	Granted	--

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

Total	International	National	State	University	Dist	College
05	03	--	--	--	--	02

3.18 No. of faculty from the Institution
   who are Ph. D. Guides   [30]
   and students registered under them   [46]

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

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

JRF [01]   SRF [ ]   Project Fellows [01]   Any other [01]

3.21 No. of students Participated in NSS events:

University level [10]   State level [--]

National level [--]   International level [--]

3.22 No. of students participated in NCC events:

University level [17]   State level [--]

National level [--]   International level [--]

3.23 No. of Awards won in NSS:

University level	--	State level	--
National level	--	International level	--

3.24 No. of Awards won in NCC:

University level	--	State level	--
National level	--	International level	--

3.25 No. of Extension activities organized

University forum	--	College forum	09		
NCC	02	NSS	07	Any other	--

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

- A 'Teacher Day' was celebrated by arranging a visit to 'Jeevodaya Special School' for Mentally retarded students at Sadar, Nagpur.
- An artificial water tank (JALKUMBH) was installed for Idol immersion to avoid water pollution of natural reservoirs in city area.
- N.S.S. unit actively participated in celebrating the Rakhi Programme by tying Rakhi thread to a peoples in Central Jail and policeman staff of central Jail on the occasion of 'Raksha Bandhan' on 18th August 2014
- The NSS unit organized the rally "**Jammu and Kashmir relief Funds**" for flood affected peoples in Jammu and Kashmir areas and collected amount about **Rs. 35000/-** rupees that handed over to District Collector, Also collected the Blankets, cloths, old cloths, dresses, umbrellas, medicine and other materials for Jammu and Kashmir Flood affected people.
- NSS volunteers in coordination with students from Department of Bio-technology collected the fund of about Rs.15000/- for student of Anjuman Engineering College, Nagpur, who got affected by Head injury and was in Trauma at J.J Hospital, Mumbai.
- An awareness programme viz. 'Vyasan Muktti' to aware the people from tobacco and smoking addiction, rainwater harvesting, and on 'Drive Safely on Road'.
- NSS volunteers tying Rakhi to police officers and Peoples in Central Jail, Nagpur
- A special Eye Camp for the students and parents in collaboration with Vasan Eye Care Hospital, Nagpur
- Kranti-Jyot Rally
- "Cleanliness rally" was organised during Prime Minister Mission Swachhata Abhiyan
- Organ Donation Day was celebrated
- Traffic awareness Prograame was conducted
- Street Play was conducted by students for Awareness about Flag Hosting among people in naxalites area.
- Street Play titled "Dengue re dengue Ata kay sangu" that explain ill effects of dengue was conducted by students at Chunabhatti, Ajani,Nagpur..
- Seven day NSS special camp at adopted vilage Yerala.
- Eye checkup camp through NSS AND NCC Unit.
- Green club under children forest programme was established in seven schools in Nagpur city and under this programme tree plantation was carried out.

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	3 Acre	--	Management	3 Acre
Class rooms	22	05	Management	27
Laboratories	33	15	Management	48
Seminar Halls	02	--	Management	02
No. of important equipments purchased (≥ 1-0 lakh) during the current year.	27	--	UGC / Management	27
Value of the equipment purchased during the year (Rs. in Lakhs)	1, 02, 00, 481/-	-	UGC / DST / Management	1, 02, 00, 481/-
Others (Meeting Hall) (YOGA Hall)	01 01	--	--	01 01

4.2 Computerization of administration and library

- Libman software installed for effective management of library.
- Master software is used for office management including accounting, admission data, Identity Card, Library Card, Fee Collection, Scholarship, Transfer Certificate, Bonafied / Character / Attempt Certificate, etc.
- Office and Library are fully computerised.
- Main office is well equipped with computers, printers, photocopiers, fax etc.
- The campus is under surveillance of CCTV.
- Library is equipped with INFLIBNET system.

4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	33431	60,06,709	1975	5,38,401	35406	6545110
Reference Books	8785	10,96,826	204	1,86,418	8989	1283244
e-Books	--	--	5	3920	5	3920
Journals	23	39,191	25	50959	48	90150
e-Journals	03	3,950	2	5000	05	8950
Digital Database	--	--	--	--	--	--
CD & Video	680 Included in cost of book	24680	20	4080	700 Included in cost of book	28760
Others (specify)	Open Access resource- UGC Infonet Through INFLIBNET	5000(e-Journals-2100, e-Books above 70000)				5000 per Year

4.4 Technology up gradation (over all)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Depart-ments	Others
Existing	350	03	To every machine	At every machine	01	Fully computerized	13	--
Added	--	--	--	--	--	--	--	--
Total	350	03	--	--	01	--	13	--

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

- Master software is used for office management including accounting, admission data, Identity Card, Library Card, Fee Collection, Scholarship, Transfer Certificate, Bonafied / Character / Attempt Certificate, etc.
- Main office is well equipped with computers, internet, printers, photocopiers and fax.
- The campus is under surveillance of CCTV.
- The library is equipped with 15 computers to enhance facility available with library for faculty and students.
- Internet facility with dedicated 7 computers in library for students.
- A library software LIBMAN is installed.
- Book bank facility to economically weaker section of students.
- Reprography facility to students.
- The college provides the e-library facility, INFLIBNET to access e-resources and e-journals.
- The computer department guides the other faculty members from time to time to use ICT resources in their respective classes, different workshops and seminars.
- The Seminar Room and Conference Hall is well equipped with multimedia and are used frequently for conducting seminars and talks by experts.
- Laptops given to all Departments.
- Entire campus is Wi-Fi enabled.
- Regular Training programme for Computer basics is offered by the Computer Department for Teachers, Non-teaching staff and students

4.6 Amount spent on maintenance in lakhs:

i) ICT

7.88

ii) Campus Infrastructure and facilities

179.58

iii) Equipments

5.9

iv) Others

16.5

Total :

209.86

Criterion – V
5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

- Suggestions are welcomed in respect to all areas including infrastructure, administration, teaching methodology.
- The suggestion Box/ Complaint Box is kept in front of every Department and Hostel. The issues raised are addressed immediately.
- Students Grievance Cell functions effectively by redressing student's grievances.
- Scholarship is provided to deserving backward students and economically backward students.
- Information is circulated through Notice Board, through SMS services, through letter correspondence, through circulars.
- All the activities in-charge are asked to organize respective academic activities in a frequent manner
- Special sessions are arranged to make the students aware of the various techniques involved in getting jobs. Mock tests, discussions and interviews are organized.
- Through extension activities, students are made familiar with how they can come close to community

5.2 Efforts made by the institution for tracking the progression

- Internal tests are conducted regularly to monitor and measure students' academic performance.
- Remedial coaching is conducted for students who have not cleared university exams.
- Parent -Teacher meeting is conducted to keep the parents informed about their ward's performance.
- The alumni association was strengthened and alumni office bearers were selected.
- Progressions are regularly monitored on one to one basis.
- Through Career and Guidance Cell, students are told about various career and job opportunities,
- Emphasis is laid on personality development of the students.
- The Placement Cell regularly organized brief training programmes for students.
- Student Mentor Scheme is functional.
- Each Department maintains and updates the alumnae directory.
- Feedback mechanism from student.
- Alumnae corner in the college website.

5.3 (a) Total Number of students | 1569

(b) No. of students outside the state | 105

| -- |

(c) No. of international students

Men

No	%
469	29.95

Women

No	%
1100	70.01

Last Year (2013-14)						This Year (2014-15)					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
496	219	32	663	02	1412	891	193	25	456	04	1569

Demand ratio: 1:3   Dropouts: UG 13 %; PG: 08%

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

- The college has centre for NET/SLET coaching in subject chemistry. For the other competitive examinations like UPSC/MPSC, the facilities of coaching are shared with sister institute (Dhanwate National College).
- Career Guidance and Placement Cell assists in providing inputs for getting better opportunities in career making.
- Career Guidance and Placement Cell conducts various classes and programmes in connection with competitive examinations.
- Workshop, seminar are organized on personality development, facing interviews, group discussions etc.

No. of students beneficiaries   28

5.5 No. of students qualified in these examinations

NET   04   SET/SLET   -   GATE   01   CAT   --

IAS/IPS etc   --   State PSC   02   UPSC   --   Others   --

5.6 Details of student counselling and career guidance

- A separate Career Guidance and Placement Cell is established
- The Value Education classes provide a forum for discussion of issues.
- Guidance Counselling Cell provided help to students who approached them.
- Various personal, social and career issues were discussed with mentors.
- Seminars were organized by inviting professional organizations to provide career guidance.
- Pre-exam counselling was given to all students.
- Students who did not pass their university exams were given counselling.
- Guidance on higher education and job were given.

No. of students benefitted   180

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
02	149	08	10

5.8 Details of gender sensitization programmes

- Celebration of National Women's Day
- Gender sensitization programme is conducted regularly
- NSS and Nature Club organised Save Girl Child, Rally
- Stop Cancer Programme
- Poster competition on the theme 'The Women: source of strength and inspiration
- Legal Awareness programme on sexual harassment at workplace act 2013 on world women day.

5.9 Students Activities

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

State/ University level 29   National level 04   International level -

No. of students participated in cultural events

State/ University level --   National level --   International level --

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

Sports: State/ University level --   National level 01   International level --

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

5.10 Scholarships and Financial Support

	Number of students	Amount
Financial support from institution	01	13,866/-
Financial support from government	725	27,31,075/-
Financial support from other sources	10	8,000/-
Number of students who received International/ National recognitions	--	--

5.11 Student organised / initiatives

Fairs   : State/ University level --   National level --   International level --

Exhibition: State/ University level --   National level --   International level --

5.12 No. of social initiatives undertaken by the students 30

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

Criterion – VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

> **Vision:** 'To lead from darkness to light'
> - To create human resources through quality, societal, progressive and affordable education
>
> **Mission:**
> - To provide students with an environment for all round development of their intellectual, physical, aesthetic and social potentials.
> - To discover and develop the academic and intellectual skills of the students.
> - To encourage attitudes of integrity, hard work, honesty, fairness and tolerance in students so that they give their best to the society based on human values.
> - To inculcate passion for excellence through information and communication technology, industrial exposures and scientific projects leading to elevated career profiles and national development.
> - To stimulate the students to perform at the peak of their potentials.

6.2 Does the Institution has a management Information System

> Yes.
> The Management Information System is used in the functioning of the college in respect of administrative process including Finances, Salary structure for employees, I-card generation, Income tax report, Arrears details, Loan details, Student Admission, Student registration, Fee details, Students details, Admission Slip generation, Students List, Library Management System

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

6.3.1 Curriculum Development

> Since the college is affiliated to R T M Nagpur University, there is a little scope in Curriculum development as the college has to follow the curriculum developed by university. However some teachers are active members of Board of studies involved in curriculum development.
> During the period from the session 2011-12 to 2015-16, the three faculty members are members of board of studies who involved in curriculum development.
> Semester pattern is adopted by RTMNU, Nagpur.
> Proposals for new courses / Certificate Courses are discussed in the IQAC meetings.

6.3.2 Teaching and Learning

- Use of ICT facilities for teaching and Learning apart from usual chalk and black board.
- Professional development programme organized by the College and elsewhere.
- Continuous up-gradation of the infrastructure, library, enrichment of laboratory to meet the growing academic requirements.
- Various measures are taken to ensure that academic excellence is sustained across all categories of students, such as tutorial, mentoring, advanced learners, catering to slow learners, bridge courses, remedial courses, etc.
- A feedback mechanism is in place and suggestions of the stakeholders are given due consideration.
- Inter-disciplinary academic activities were organized.
- Imparting knowledge through experient, workshops and seminars, Peer teaching, Guest Lectures, Case studies, Study visits.
- Academic planning for every subject well before the commencement of each semester.
- Study materials are shared with students.
- Use of ICT based interactive methods.
- Community interaction is encouraged through field work, social surveys and small scale industries.
- Group discussions, debates, quiz are organized to enhance retaining and recalling capability.
- Best Teacher award /Best researcher award/Best service award is instituted at college level.

6.3.3 Examination and Evaluation

- Unit Test/ Surprise Test are conducted by the respective faculty members and Test examinations are conducted by college and final examination is conducted by the University.
- The students remaining absent for examination are monitored.
- Result Committee monitors the performance of students with low score in examination.
- Semester Pattern is practiced for B. Sc. I and B.Sc. II whereas Annual Pattern for final Year Student.
- Continuous and Comprehensive Evaluation is also in practiced.
- Performance is evaluated through discussions with students and concerned teachers.
- Performance/result is also recorded in teachers diary so that need based teaching methodology can be adopted.
- Teachers analyse the strengths and weaknesses of the students.
- Performance is discussed in Staff meetings, College Council Meeting and Local Managing Committee's meeting.
- Feedback from students is also taken into account.

6.3.4   Research and Development

- Research Committee established in the college to monitor and encourage research activity to be carried out by the faculty.
- Major and Minor Research Projects are encouraged.
- Research Committee regularly posts information about, forthcoming workshops, seminars and conferences.
- 30 faculties are recognised by University as a Supervisor.
- The Department of Microbiology, Chemistry, Mathematics, Physics and Computerscience are recognised as a place of Higher Learning and Research and two departments namely Botany and Zoology are awaiting for recognition.
- 30 research scholars are registered for Ph.D. degree in various subjects.
- 1 faculty obtained Ph.D. degree in the academic session 2014-15.
- 100 Research papers are published in Various National and International Journals.
- 3 Major project and 3 Minor Projects are ongoing and one major project sanction by BARC.
- Incentives are given to teachers for publication their research work in peer reviewed Journals in the form of cash prize.

6.3.5   Library, ICT and physical infrastructure / instrumentation

- Staff and students have access to INFLIBNET (e- journal)
- Collection of reference and text books of various subjects, periodicals, magazines, digital resources, and audio visual collections. Most of the Departments have their own library to cater to immediate requirements.
- All the resources are catalogued and the functioning of the library is fully automated.
- The Departments are also equipped with computers, printers, internet connectivity, LCD projector, Wi-Fy and so on.
- The other facilities provided are TV, digital camera, Xerox Machine, Scanner etc.
- The College has consistently upgraded both the physical and learning infrastructure to meet the growing academic needs.
- Research Centre under Microbiology, Chemistry and other Departments are established.
- Internet facility is made available to all students and faculty.
- Management Information System partially exists in the College library with LIBMAN software.

6.3.6 Human Resource Management

- Performance appraisal of staff members is done every year based on student feedback, class observation, peer evaluation and self-appraisal.
- Self-appraisal of faculty members is done by IQAC and by Management.
- Welfare measures are provided to teaching and non-teaching staff members.
- Faculty members are encouraged to present papers in conferences and seminars, registration fee for which is reimbursed and also to publish articles in journals.
- Faculty members are encouraged to participate in orientation and refresher courses.
- Each department of the college ensures utilizing optimum services of the teaching and non-teaching staff.
- Employee's welfare is also taken care of.
- Being an aided College, recruitments of teaching and nonteaching staff is made as per the norms of the Government of Maharashrtra and University.

6.3.7 Faculty and Staff recruitment

- The Management is the authority to recruit staff as per the norms stipulated by the UGC, Government of Maharashtra and University.
- The vacancies that arise in the, general merit quota, as well as community merit quota are advertised separately in leading, dailies, sufficiently in advance. The interview panel comprises subject experts from university, a government, nominee, the principal and a representative of the management.
- Roaster System is strictly followed during Faculty and Staff recruitment

- comprises subject experts from university, a government, nominee, the principal and a representative of the management.
- Roaster System is strictly followed during Faculty and Staff recruitment

6.3.8 Industry Interaction / Collaboration

- Visits and research interactions with various industries and institutions are carried out on a regular basis.
- Various Departments have both formal and informal linkages and collaborations with other institutes of higher learning and these are utilized for the fruitful completion of curriculum and research work.
- The authorities are open-minded in interacting with other institutes for collaboration.
- Linkages were established with reputed organizations for placement and Career Counselling.

6.3.9 Admission of Students

A) Publicity of admission process:
- **Prospectus:**
  At the beginning of academic session the College prepares updated prospectus which provides detailed information about the college regarding the courses offered and infrastructural facilities. It provides eligibility criteria for admission to each course, fee structure, documents necessary for the admission, etc. It enlists the subject combinations for three years B.Sc. Course. It also provides detailed information about academic as well as support facilities. The academic calendar, rules and regulations and prizes for rank holders are mentioned in the prospectus.
  The information about PG Courses, PG Diploma and Add-On Certificate Courses is also mentioned in the prospectus
- **College Website**
  In addition to issuing of prospectus, the college has developed its website:
  www.sscnagpur.edu.in for the convenience of students and parents.
  The website contains all the information mentioned in the prospectus.
- **Print Media**
  The college publishes advertisement about the admission in the newspapers.
- **College Notice Board**
  The information related to admission process is also displayed on the college Notice Board for the convenience of the students.

B) Transparency in Admission Process
- Transparent admission process-Information about admission is advertised in Newspaper and as per norms fixed by Govt. Of Maharashtra and R.T.M.Nagpur University Nagpur
- All reservation policies are followed
- All the admissions are as per merit.
- Hostel facilities are available for girl's student only.

C) After the confirmation of admission the college provides a _Hand Book_ to the students containing information:-
- Information about admistrative assistance committee along with their contact numbers
- College rules and regulations
- Awards and Medals
- Academic Calender
- Cadender of events

6.4 Welfare schemes for

Teaching	PF, Gratuity, Medical Insurance, Cash incentive for paper presentation
Non teaching	Medical Insurance, Loan facility
Students	Institutional scholarships, Free ships, Financial aid to students, Merit Scholarship

6.5 Total corpus fund generated   3 Cr.

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

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	No	--	Yes	IQAC
Administrative	No	--	Yes	IQAC

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

- Alumni meets are conducted.
- New office bearers were elected.
- Guest Lectures are conducted through alumni.
- Alumni in its annual meet freely and frankly present their views about the college and put up their suggestion what they deem fit for the betterment of the college.
- Several Departments invite the alumnae for extension lectures and share their expertise with the students.
- The alumnae of the college raised fund.

6.12 Activities and support from the Parent – Teacher Association

- The College has active Parent Teacher Association.
- The meeting of the Parent –Teacher Association held.
- A feedback is also collected from the parents/guardians in the form of a structured questionaire.
- The parents get to know their ward's performance and their active participation in various activities.
- Parent-Teacher Association through its annual meet provides an opportunity to the parents and guardians to come close to the teachers of their wards and better understand their progress

6.13 Development programmes for support staff

- Computer Literacy programme.
- Personality Development Seminar.
- Communication class.
- ICT Basics Programme is organised.
- The faculties are sent for workshops and conferences organized by the UGC or other Institutions.
- Regular training programmes are organized for the entire faculty or faculties are sent for traning program organised by other institutions.

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

- Use of polythene is strictly prohibited.
- Emphasis on more plantations to make environment clean and green.
- The initiative to make the campus eco-friendly.
- Various competitions were organised to create awareness on, use of Sanitary, waste disposal system, rain harvesting system.
- Greenary is maintained in the campus. The College makes all attempts to maintain a green campus by planting trees, landscaping, maintenance of floral gardens and so forth and keep the place as free of plastic as possible.
- Students are also required to switch off electric gadgets, and minimize the use of paper.
- Waste bins are provided extensively to prevent littering.
- A campus cleaning day is organized by NSS and NCC during Gandhi Jayanthi.
- The Department of Botany has set up a botanical garden in the campus.
- The Girls Hostel has installed solar panel for tapping solar energy.
- The NCC unit of the College organized a campaign on anti plastic by distributing paper bags to the public.

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.

- Regular prayer conducted everyday.
- Regular Academic Coordinators' meetings to look into matters related to attendance, weak students.
- Science Exhibition was organised.
- Regular ICT Orientation Programme is conducted by the Computer Centre for staff as well as students.
- Language Lab is established by Department of English.
- Value addition courses were offered to ensure skill acquisition to all students.

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

- Ozone day rally conducted
- Slogan and message writing competition conducted
- Excursion tour held
- Mentoring provided throughout the year.
- Report Card Provided.
- Issuance of identity Card to the students provided.
- Meeting of Staff Council held twice in a year
- Outreach Programmes organized.
- Parent Teacher Meeting held.
- E-books for departmental libraries throughout the year.
- Updating knowledge and skills of teachers, Seminars and workshops organized throughout the year.
- Departmental Society Meetings As per the departmental plans.
- Meetings of Academic Coordinators Once in 2 months.
- Team formed to implement the plan of doing student admission.
- Remedial Classes were conducted for weaker sections/slow learners.
- Academic Audit was done for all the departments.

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

See Annexure-III

7.4 Contribution to environmental awareness / protection

- Green area on campus is protected.
- No access to people for movement in green area.
- Guests given saplings as memento.
- Recycling of used paper.
- Water Conservation Awareness Programme.
- Environmental Awareness Rally by NCC Cadets.
- Energy Conservation Rally by NCC cadets.
- Observation of days like world environment day, ozone day, energy day etc.
- Installation of solar panels in the girl's hostel.
- Efforts to maintain carbon neutrality by planting trees every year.
- 'Green campus-Clean campus' and Plastic free campus.
- Ozone day Rally organised to spread awareness among the people about the depletion of Ozone Layer and its consequences.
- Slogan and message writing competition about pollution and their harmful effects on environment and also to spread the message in the society.

7.5 Whether environmental audit was conducted?   Yes | √ | No | |

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

STRENGTHS:
- A good infrastructure.
- Education at a low cost.
- Nationally recognized for providing high quality education.
- Well Qualified, Competent and Experienced Staff.
- Self financing PG Courses.
- Committed non- teaching staff.
- Interested and hard working students.
- Well furnished and equipped Laboratories.
- Safety environment for co-education.
- Number of options available with different subject.
- Certificate course in environmental studies.

WEAKNESS:
- Lack of land for future expansion of the campus.
- Lack of land for outdoor sports activities.
- Short of skilled based courses.
- Average students seek admission in the subject.
- Less employment opportunity for B.Sc. students.

OPPORTUNITIES:
- Strategic alliances and partnerships with International.
- Diversification of sources of revenue through better exploitation of consultancy.
- Remedial teaching is provided to slow learners.
- Student faculty exchange.

THREATS:
- Competitions and growth of education institutions.
- Free education within the context of increasing trends of e-learning.
- To increase the qualifying rate of students in NET /SET examination.
- To reduce the dropout rate at UG & PG level.
- To increase the collaboration with external organizations, MOU with reputed Indian institute.
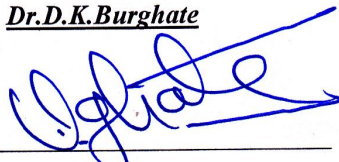
8. **Plans of institution for next year**

- Enrichment of Ecofriendly Activities viz. Erecting solar lighting, solar water heater, plastic free campus
- Few State-of-Art class-rooms to be augmented.
- Provision for New Infrastructure to some Departments viz. Botany, Zoology, Chemistry, Physics, Statistics, LibraryGym, Meditation Hall
- Recognition of few more Laboratories for persuing research viz. Botany, Zoology, Computer Science, Mathematics, Physics,
- Enrichment of Academic activities viz. Organizing Seminars, Workshops in respective subjects, organizing Guest lectures, promoting faculties to attend Conference, Seminar, Workshop at different centres, Promoting Research activities by publishing their work in Journals, Recognition of faculties' work at different levels and rewarding them suitably, MOU to be established with concerned Departments, Promoting submission of Research projects with UGC, DST,

Name   **Dr.G.R.Avachar**

_____

Signature of the Coordinator, IQAC

Name   **Dr.D.K.Burghate**

_____

Signature of the Chairperson, IQAC

_____***_____

Annexure-I

Academic Calendar 2014-15

June -14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15
1-Sunday	1-	1	1	1	1	1	1-New year Day	1-Sunday	1-Sunday	1 Uni pr. Exam.	1-Maharashtra Din
2-Admission	2	2	2	2 - M. Gandhi Jayanti	2-Sunday	2	2-Ramzan ID	2	2	2	2
3-Admission	3	3-Sunday	3	3 - Dashera	3	3	3	3	3	3-Good Friday	3
4-Admission	4	4	4	4-Test Exam	4	4	4-Sunday	4	4	4	4
5-Admission	5	5	5	5-Sunday	5	5	5	5	5	5-Sunday	5
6-Admission	6-Sunday	6	6	6-Bakri-Id	6	6	6	6	6	6-Test Exam	6
7-Admission	7	7	7-Sunday	7-Test Exam	7	7-Sunday	7	7	7-Dhulivandan	7-Test Exam	7
8-Sunday	8	8	8	8-Test Exam	8	8	8	8-Sunday	8-Sunday	8-Test Exam	8
9-Admission	9	9	9	9-Test Exam	9-Sunday	9	9	9	9	9-Test Exam	9
10-Admission	10	10-Sunday	10	10-Test Exam	10	10	10	10	10	10-Bhausaheb Punyatithi	10
11-Admission	11	11	11	11-Test Exam	11	11	11-Sunday	11	11	11-Test Exam	11
12 - Admission	12	12	12	12-Sunday	12	12	12	12	12	12-Sunday	12
13 - Admission	13-Sunday	13	13	13-Test Exam	13	13	13	13	13	13-Test Exam	13
14 - Admission	14	14	14-Sunday	14-Test Exam	14	14-Sunday	14	14	14	14-Ambedkar Jayanti	14
15-Sunday	15	15 - Independ. Day	15	15-Test Exam	15	15	15	15-Sunday	15-Sunday	15-Test Exam	15
16 - Admission	16	16	16	16-Test Exam	16-Sunday	16	16	16	16	16-Test Exam	16
17-Session start	17	17-Sunday	17	17-Test Exam	17	17	17	17-Mahashivratri	17	17-Test Exam	17
18 - Admission	18	18-Parshi N.Y. Day	18	18 I Term End	18	18	18-Sunday	18	18	18-Test Exam	18
19 - Admission	19	19	19	19-Sunday	19	19	19	19 Shiv Jayati	19	19-Sunday	19
20 - Admissio	20-Sunday	20	20		20	20	20	20	20	20-Uni.Pract.Exam	20

n											
21 - Admission	21	21	21-Sunday	21-Winter Vacation start	21II Term start	21-Sunday	21	21	21-Gudi padawa	21-Uni.Pract.Exam	21
22 - Sunday	22	22	22 -	22	22	22	22	22-Sunday	22-Sunday	22-sir	22
23 - Time-table	23	23	23	23	23-Sunday	23	23	23	23	23-Uni.Pract.Exam	23
24	24	24-Sunday	24	24	24	24	24	24	24	24-Uni.Pract.Exam	24
25	25	25	25	25	25	25-Christmas	25-Sunday	25	25	25-Uni.Pract.Exam	25
26	26	26	26	26-Sunday	26	26 - Cultural Programme	26-Republic Day	26	26	26-Sunday	26
27	27-Sunday	27	27	27	27	27-Dr. Panjabrao DeshmukhJayanti	27	27	27	27-Uni.Pract.Exam	27
28	28	28	28-Sunday	28	28	28-Sunday	28	28-Science Day	28-Ram-Navami	28-Uni.Pract.Exam	28
29 - Sunday	29-Ramzan ID	29-Ganesh Ch.	29	29	29	29	29-		29-Sunday	29-Uni.Pract.Exam	29
30	30	30	30 D.LN.Day	30	30-Sunday	30	30		30	30-Session End	30
	31	31-Sunday		31		31	31		31		31
12 Days	26 Days	23 Days	25 Days	13 Days	09 Days	27 Days	24 Days	22 Days	23 Days	24 Days	

S.S.E.S.Amt's Science College, Congress Nagar, Nagpur.
Students' Satisfaction Report (2014-15)

Our endeavor is to impart the highest quality of education and grooming the students to fit in the corporate world .Every year we obtain feedback from the students to monitor their satisfactiolevel so that we can give better service to the forthcoming batches.

Aim :   To achieve better position amongst all academic institutions.

Objective : To give better facilities to students enabling them to enhance their overall performance.

General Feedback

A questionnaire containing 10 parameters was prepared to obtain feedback from students to find out the image of the college. A random sample of 150 students was considered. Students had shown their satisfaction in almost all aspects covered in the Feedback form which is enclosed for your perusal. However, their major demands are: Regular cleaning of wash rooms of block A, More no. of microscopes in Biology labs, Provision of new apparatus in physics lab, provision of at least 4 books and reference books for home issue, Proper way of giving instructions,. Declaration of exam dates before a suitable time period.

Feed back on Teachers' performance:

A questionnaire containing 7 parameters was considered to take feedback on individual teacher's performance from students. A random sample of 15 students for every teacher was taken. Students are satisfied with their relationship with teachers, teaching methodology, approach of generating interest in the subject and the way of responding their doubts.It shows that the practices used by all the teachers are fairly good. However, they need to concentrate on the aspects, viz. curriculum coverage, towards inspiration and quality of the subject material provided to students.

Parents ' feedback:

Most of the parents visit the college at the time of admission. Very few parents attend parent's meeting and respond to the feedback. However, time to time we interact with parents either on phone or in person when they visit our college and always we found that they are happy with the day to day teaching and the conduct of unit tests. But our concern about the response to the feedback from the parents who are unable to contribute due to inability to express their own views regarding enrichment of syllabus, teaching methods etc.

Feedback from final year students:

We have collected feedback from final year students on 16 parameters. Majority of the students have given positive feedback on almost all parameters.

Feedback from alumni:

Alumni meet is conducted once in a year where they contribute their practical experiences along with their commitment to deliver lectures to enable our students' to face outside competition

Feedback from companies coming from campus placement:

As per the discussion of our Convener, T&P Cell, with HR persons of different companies, they require confident students having basics of domain for their placement.

Feedback analysis (2014-15)

General feedback from students

Sr. no	Parameter	Marks awarded out of 10
1	Teaching method is appropriate and effective.	7.98
2	Able to make you more objective.	7.44
3	Library facilities	8.21
4	Laboratory facilities	7.87
5	Computer/internet facility	6.38
6	Maintenance of general amenities	7.18
7	The office staff attend to matters related to a) Fees	6.88
	b) Examination work	6.86
	c) Scholarships	6.3
	d) General administration	6.54

Suggestions: 1. Regular cleaning of wash rooms of block A
2. More no. of microscopes in Biology labs.
3. Provision of new apparatus in physics lab
4. Provision of at least 4 books and reference books for home issue.
5. Proper way of giving instructions
6. Declaration of exam dates before a suitable time period.

Students' feedback on teachers' performance(2014-15)

4 point scale is used to measure the quality level of each aspect.
3.50-4-Very Good (A)   2.50 -3.49 -Good (B)
.   1.50 -2.49 -Satisfactory (C)   1- 1.49 -Unsatisfactory (D)

Sr. no.	Aspect	GPA
1	You are inspired in subject matter	3.46
2	Curriculum coverage	3.40
3	Your doubts are properly answered.	3.52
4	You are able to understand lecture clearly.	3.55
5	You are able to contact the faculty outside the class	3.57
6	Subject material provided by the faculty is sufficient.	3.46
7	The student-teacher relation is cordial.	3.59
	OVERALL RATING	3.5

Shri Shivaji Education Society Amravati's Science College, Congress Nagar, Nagpur

Feedback Form

Dear Parent/Gardian

Your feedback will certainly help us to improve our process further for the betterment of all our students.

1. During admission period have you accompanied your son / daughter?
   Yes (83.33%)   No(16.67%)
   If not , did you visit our college any time after admission of your Ward?
   Yes (50%)   No(50%)

2. The course / subjects he/she offered are as per his/her own choice?
   Yes (91.67%)   No(8.33%)   any other choice(0%)

3. Have you ever discussed about his studies with him?
   Always (83.33%)   sometimes (16.67%)   Never (0%)

4. Please mention the subject which he/she likes the most & why?

5. Have you ever seen marklist /answer papers after his result is declared?
   Yes (91.67%)   No (8.33%)

6. Have you ever discussed about his progress with any teacher/HOD/Principal?
   Yes (41.67%)   No (58.33%)

7. Are you satisfied with his/her academic performance?
   Yes (66.67%)   No (33.33%)

8. Observations/suggestions/Expectations:

   Thanks!

S. S. E. S., AMT'S Science College, Congress Nagar, Nagpur.

Exit Questionnaire for B.Sc.III students

Students' overall Evaluation of the programme and Teaching

Total no. of forms=149
Group :

Your responses will be seen only after your course results have been finalized and recorded.
The information will be used only for the improvement of the course and teaching in future.
You need not disclose your name if you do not wish to.
You may tick more than one answer to a question to the extent they do not contradict each other.

1.   The syllabus of each course was
a) adequate   b) inadequate
c) challenging   d) dull

2.   Was the course easy or difficult to understand?
a) easy   b) manageable
c) difficult   d) very difficult

3.   How much of the syllabus was covered in the class?
a) 85 to 100%   b) 70 to 85% c) 55 to 70%   d) less than 55%

4.   What is your opinion about the library material and facilities for the course?
a) more than adequate   b) adequate
c) inadequate   d) very poor

5.   To what extent were you able to get material for the prescribed readings?
a) Easily   b) with some difficulty
c) not available at all   d) with great difficulty

6.   How well did the teacher prepare for the classes?
a) thoroughly   b) satisfactorily
c) poorly   d) indifferently

7.   How well was the teacher able to communicate?
a) Always effective   b) sometimes effective
c) Just satisfactorily   d) generally ineffective

(continue…………..)

8.   How far the teacher encourages student participation in class?
        a) mostly yes   b) sometimes
        c) not at all   d) always

9.   If yes, which of the following methods were used?
        a) Encouraged to raise questions   b) get involved in discussion in class
        c) encourage discussion outside class d) did not encourage

10.   How helpful was the teacher in advising?
        a) very helpful   b) sometimes helpful
        c) not at all helpful   d) did not advise

11.   The teacher's approach can best be described as
        a) always courteous   b) sometimes rude
        c) always indifferent   d) cannot say

12.   Internal assessment was
        a) always fair   b) sometimes unfair
        c) usually unfair   d) sometimes fair

13.   What effect do you think the internal assessment will have on your course grade?
        a) helps to improve   b) discouraging
        c) no special effect   d) sometimes effective

14.   How often did the teacher provide feedback on your performance?
        a) Regularly/in time   b) with helpful comment
        c) often/late   d) without any comments

15.   Were your assignment discussed with you?
        a) Yes, fully   b) yes, partly
        c) not discussed at all   d) sometimes discussed

16.   Were you provided with a course contributory lecture too at the beginning?
        a) Yes   b) no

If yes, was it helpful?
        a) Yes   b) no

17.   If you have other comments to offer on the course and suggestions for teacher you may
do so in the space given below or on a separate sheet.

Best Practices of the institution

1. Rendering helping hand

Goal

You will learn more when you teach someone else. The secret to obtaining more knowledge is teaching more people as possible and available. Keeping this in mind we are determined to serve the society in many folds.

The Context

Our country is very rich in the context of literally everything. That to say environmental conditions, favorable conditions for crop productivity, natural resources etc. But we lack in knowledge of its utility on every level of understanding i.e. the research we carry out does not rich to the common man, the facts of the soil conditions, crop conditions, their immunity to various diseases as well known to locals does not understand to scientist, awareness about development, requirement for the development are totally unknown to the common man. Hence as a small step towards making the underprivileged aware about at least some facts, we organize various events.

The Practice

- To arrange eye check-up camps for the people from villages.
- To promote cultural/educational activities in villages.
- To promote awareness programs on Child / women's Health and Nutrition, equality, development, violence against women's in urban slums and villages.
- To organize blood donation camps.
- To organize various activities for old age people and homeless/helpless children.
- To organize cultural events for the homeless and differently abled children.
- To promote, propagate, develop general interest of people in plantation and environmental awareness.

- Assist on relieve for targeted communities affected by a natural calamity.
- Assist in eliminating pollution & environmental deterioration and building up an ecological balance with clean & green environment.

All the above mentioned programmes are carried out with the coordination from NSS students and Organization for Industrial, Spiritual & Cultural Advancement (OISCA), Western India Chapter, Nagpur.

Evidence of Success

A weeklong camp was organized at the outskirts of the city viz. village Gonhi, Yerla. The villagers responded enthusiastically to various activities carried out in the camp. Wherein educational, cultural, clean and green environment, plastic free environment, eye checkup, spects donation, eye surgery in association with Wasan Eye Care, Blood donation camp was organized on the occasion of Birth anniversary celebrations of our founder president.

A visit to homeless was also organized.

Tree plantation at various organizations, schools and colleges are done.

An artificial water tank was installed for Idol immersion to avoid water pollution of natural reservoirs in city area.

Celebrated the Rakhi Programme by tying Rakhi thread to peoples in Central Jail and policeman staff of central Jail on the occasion of 'Raksha Bandhan'.

A rally "Jammu and Kashmir relief Funds" for flood affected peoples in Jammu and Kashmir areas and collected amount about Rs. 35000/- rupees that handed over to District Collector.

Also collected the Blankets, cloths, old cloths, dresses, umbrellas, medicine and other materials for Jammu and Kashmir Flood affected people.

A fund of about Rs.15000/- collected for student of Anjuman Engineering College, Nagpur, who got affected by Head injury and was in Trauma at J.J Hospital, Mumbai.

An awareness programme viz. 'Vyasan Muktti' to aware the people from tobacco and smoking addiction, rainwater harvesting, and on 'Drive Safely on Road'.

Problems Encountered and Resources Required

The attitude and time constraint are the major problems encountered in the implementation of programme. Further, encouraging students and discussions in the meeting becomes self-obliterate towards its aim, at times. The beneficiaries are required to explain their needs in their understandable language as they are from villages. Questions posed by them may not find a solution instantaneously. The span to carry out the programme is limited and tracking or follow-up may not be possible. Teachers have to play the role of an educator and entertainer combined, rather than just an educator.

Resources in terms of finance are continuously in demand to fulfil aim. This is not available consistently.

Notes (Optional)

An Academic Calendar is prepared before the beginning of the academic year. This aids the programmers to follow the time schedule for implementation of the various programmes. Dedicated teaching and non-teaching staff coordinates with the students to carry out programme. Without a dedicated team, success cannot be achieved. Under the dynamic leadership of the Principal and constant guidance and support gives a prominent shape to the aim.

Contact

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2. Soil-less Rooftop Organic Farming

Goal: To provide low cost eco-friendly farming, an alternative to retrench agricultural land.

The context: The agriculturists in India are facing a big problem of supplying food to ever increasing population as agricultural land is decreasing due to fast growing urbanization and industrialization. The food we consume is contaminated due to extensive use of pesticides/insecticides/chemical fertilizers. The quality of soil is also degraded. These problems need to be addressed. An alternative solution to overcome above problems is the Soil-less Rooftop Organic Farming, wherein use of vermicompost and harmless biopesticides are promoted.

The practice: Staff & students of the college initiated the concept of Roof-top Organic Farming. 9' X 6' feet container is designed with underlying polymer sheets. Coco-peat and vermicompost is added in the peat in 60:40 ratios with addition of 1 kg azoato-bactor and 1 kg neem powder. New type of CSIS irrigation system containing central pipe and four crossed pipe at sub-surface region is used. Green nets are provided over the kits. During rainy season, it is further covered with plastic sheets. The ideas are derived from green house. The attributes of green house are inculcated in this practice. All small rooted crops can be cultivated such as chillis, brinjal, tomato, spinach, corriender, fenugreek, cucumber, bitter gourd, cabbage etc.

Evidence of Success: Students participated in 5th Indian Youth Science Congress Kolkata and 6th Indian Youth Science Congress, Guntur (A.P.), where the project on "Soil-less Roof Top Organic Farming" was selected as 3rd most relevant innovation to solve zero hunger challenge at national level.
The vegetables produced through this best practice are sold to the staff member and nearby locality and also used in girls' hostel mess.
Prof. M. S. Swaminathan, father of green revolution visited the college and appreciated the project.
Our students of B. Sc. Biotechnology have developed the further technology called Hydroponic-Organic roof top farming, which is cost effective as compared to conventional Soil-less Roof Top Organic Farming. This project was displayed at Raman Science Centre, Nagpur.

Problems encountered and resources required:
Polymer sheets, Coco-peat, vermicompost, azoato-bactor, neem powder, CSIS irrigation system, pipes, Green nets and plastic sheets.

Notes: The source of this project is available in the form of CD, Print-Media.
Expertise on this project is available. The various News Channels and Print Media made this concept of "Soil-less Roof Top Organic Farming" popular.

Links: www.youtube.com/watch?v=Ng3hsRZ16ts
http://www.nagpurtoday.in/roof-top-organic-farming-an-a-unique-initiative-by-the-students-of-shivaji-science/02032152

1. **Contact Details :**
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