

# Self Study Report For Re-accreditation (3rd Cycle)

of



**Govindram Seksaria Science College**

**BELAGAVI 590006, Karnataka**

**Track ID KACOGN10151**

[www.gssbgm.edu.in](http://www.gssbgm.edu.in)



submitted to

**National Assessment and Accreditation Council  
(NAAC), Bengaluru**

10 March 2015

**INTERNAL QUALITY ASSUARANCE CELL**

1. Principal A. K. Mense (Chairman)
2. Dr.P.T.Hanamgond (Co-ordinator)
3. Prof. A.L.Gadgil (Adviser)
4. Prof. U.S.Arlimatti (Admn. Officer)

**Criteria Heads:**

5. Prof. M. S. Nagasuresh (Criteria 1)
6. Dr. N. D. Hegde (Criteria 2)
7. Dr. S. M. Deshpande (Criteria 3)
8. Prof .S K Hukkeri (Criteria 4)
9. Prof .B M Topinkatti (Criteria 5)
10. Prof .A K Samant (Criteria 6)
11. Prof .B L Majukar (Criteria 7)
12. Shri. A. C. Kolkar (Office Suptd.)
13. Shri. Arun Samant (Supdt. Finance)
14. Mrs. Nameeta Samant (Librarian)
15. Shri. Vinay Naik (Physical Director)

**Management Members:**

16. Shri.S.V.Shanbhag
17. Prof. S.Y.Prabhu

**Parent Member:**

18. Shri Subodh P Herekar

**Student Members:**

19. Mr. Manoj Rajapurkar (General Secretary)
20. Miss Priyanka Kundekar (Ladies Representative)

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## Contents

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### **PART – I : Institutional Data**

<b>A. Profile of the College</b>	5-14
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### **PART – II : Evaluative Report**

<b>A. Executive Summary</b>	16 - 21
-----------------------------	---------

#### **B. Criteria-Wise Evaluative Report**

1. Criterion I: Curricular Aspects	22-32
2. Criterion II: Teaching – Learning and Evaluation	33-51
3. Criterion III: Research, Consultancy and Extension	52-76
4. Criterion IV: Infrastructure and Learning Resources	77-88
5. Criterion V: Students Support and Progression	89-111
6. Criterion VI: Governance and Leadership	112-127
7. Criterion VII : Innovative Practices	128-132

<b>C. Declaration by Principal</b>	133
------------------------------------	-----

Departmental Evaluation Reports	134-196
---------------------------------	---------

Plates (Reflecting College Activities)	197-212
----------------------------------------	---------

Campus Layout	213
---------------	-----

Enclosures	214-261
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# PART - I

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## Profile of the College

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## 1. Profile of the Affiliated College

### 1. Name and address of the college:

Name :	Govindram Seksaria Science College	
Address :	RPD College Road, Tilakwadi, Belagavi	
City : Belagavi	Pin code : 590006	State: Karnataka
Website :	www.gssbgm.edu.in	

### 2. For communication:

Designation	Name	Tel. with STD code	Mobile	Fax No.	E-mail
Principal	Shri. A. K. Mense	O: 0831 2485193 R: 0831 2448758	9448347452	0831 24859 10	principal.gss@gmail.com; principal@gssbgm.edu.in; anandmense@gmail.com;
Vice Principal	---	---	---	---	---
Steering Committee Coordinator:	Dr. P T. Hanamgond	O: 0831 2423024 R: 0831 2443916	9480275757	0831 24859 10	hanamgondpt@gmail.com; hanamgondpt@gssbgm.edu.in

### 3. Status of the Institution:

- i. Affiliated College
- ii. Constituent College
- iii. Any other (Specify)

✓

### 4. Type of Institution

#### a. By Gender

- i. For Men
- ii. For Women
- iii. Co-education

✓

**b. By Shift**

i. Regular

ii. Day

iii. Evening

**5. Is it a recognized minority institution?**

Yes

No

**If yes specify the minority status (Religious/linguistic/any other)**

And provide documentary evidence

**Linguistic Minority- Marathi** (Documentary evidence enclosed as **Enclosure No.1**)**6. Sources of Funding:**

Government Grant-in-Aid

Self Financing

Any other

**7. a. Date of establishment of the college:** 01 June 1966

(Bifurcated from R.P.D. College which was established in 1945)

**b. University to which the college is affiliated / or which governs the college (If it is a constituent college)**

Affiliated to Rani Channamma University, Belagavi

**c. Details of UGC recognition:**

Under Section	Date, Month & Year (dd-mm-yyyy)	Remarks (If any)
i. 2 (f)	03-04-1984	---
ii. 12 (B)	01-06-1966	---

(Certificate of recognition u/s 2 (f) and 12 (B) of the UGC Act enclosed as **Enclosure No.2**)

d. Details of recognition/approval by statutory/regulatory bodies other than UGC (AICTE, NCTE, MCI, DCI, PCI, RCI etc): **Not Applicable**

Under Section/ Clause	Recognition/ Approval details Institution/ Department Programme	Day, Month and Year (dd-mm-yyyy)	Validity	Remarks
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8. Does the affiliating university Act provide for conferment of autonomy (as recognized by the UGC), on its affiliated Colleges?

Yes  No

**If yes, has the college applied for availing the autonomous status?**

Yes  No

9. Is the college recognized

a. by UGC as a college with Potential for Excellence (CPE)?

Yes  No

If yes, date of recognition: 22/03/2010

b. for its performance by any other government agency?

Yes  No

If yes, Name of the agency \_\_\_\_\_ and

Date of recognition \_\_\_\_\_ (dd/mm/yyyy)

10. Location of the campus and area in sq.mts.

Location	Urban
Campus area in sq. mts.	113312.00 Sq.Mts
Built up area in sq. mts.	19179.67 Sq.Mts

11. Facilities available on the campus or in case the institute has an agreement with other agencies in using any of the listed facilities provide information on the facilities covered under the agreement.

- Auditorium/seminar complex with infrastructural facilities.

Yes. An open air theatre with a capacity of 1000 people; 2 seminar halls with a capacity of 150 people, and an auditorium with a capacity of 300 people.

- Sports facilities
  - i. Play ground : ✓
  - ii. Swimming pool : No
  - iii. Gymnasium : ✓
- Hostel
  - 1. Boys' Hostel
    - i. Number of Hostels : **01**
    - ii. Number of inmates : **50**
    - iii. Facilities (Mention available facilities): Hot water, Safe drinking water, Mess & 24 hrs security.
  - 2. Girls' Hostel
    - i. Number of Hostels : **02**
    - ii. Number of inmates : **106**
    - iii. Facilities (Mention available facilities): Hot water, Safe drinking water, Mess & 24 hrs security.
  - 3. Working Women's Hostel : **No**
    - i. Number of inmates
    - ii. Facilities (mention available facilities)
- Residential facilities for Teaching and Non-Teaching staff (give numbers available –cadre wise): **Teaching Staff – 13 Quarters available.**
- Cafeteria : **Yes**
- Health centre : **Yes**
  - First aid, Inpatient, Outpatient, Emergency care facility, Ambulance...
  - Qualified Doctor: Full time: Part –Time: ✓
  - Qualified Nurse: Full time: **No** Part-Time: **No**
- Facilities like banking, post office, book shops: **Banking ✓**
- Transport facilities to cater to the needs of students and staff: **No**
- Animal House: **No**
- Biological waste disposal: **✓**



- Generator or other facility for management/ regulation of electricity and voltage: ✓ (4 Diesel Generators are installed)
- Solid waste management facility : ✓
- Waste water management: ✓
- Water harvesting: ✓

### 12. Details of programmes offered by the institution: (Year 2014 Data)

S1 No	Program me Level	Name of Programme / Course	Duration	Entry Qualificati on	Medium of instruction	Sanctione d Student Strength	No. of students admitted
1	UG	B.Sc.	6 Sem.	P.U.C	English	360	337
2	PG	M.Sc.	4 Sem	B.Sc	English	30	29
3	M.Phil	---	---	---	---	---	---
4	Ph. D.	---	---	---	---	---	---
5	Certificat e course	NSDC	02 Months	PUC	English	---	86
6	UG Diploma	---	---	---	---	---	---
7	PG Diploma	---	---	---	---	---	---
8	Any Other (specify)	Competiti ve Exams Coaching	08 Months	Any	English	NA	36

### 13. Does the college offer self-financed Programmes? Yes

If Yes, how many : 02 (M.Sc.Organic Chemistry;  
UG Computer Science Optional Subject)

### 14. New programmes introduced in the college during the last five years if any?

Yes	✓	No		Number	02
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15. List the departments: (respond if applicable only and do not list facilities like Library, Physical Education as departments, unless they are also offering academic degree awarding programmes like English, regional languages etc.)

Faculty	Departments (eg. Physics, Botany, History etc.)	UG	PG	Research
Science	Physics,	√	-	-
	Chemistry,	√	√	-
	Mathematics,	√	-	-
	Botany,	√	-	-
	Zoology,	√	-	-
	Geology,	√	-	√
	Computer Science	√	-	-
Arts	-			
Commerce	-			
Any other (specify)	<b>Language Depts</b> (Compulsory papers)			
	English	√	-	-
	Hindi	√	-	-
	Kannada	√	-	-
	Marathi	√	-	-
	Sanskrita	√	-	-

16. Number of programmes offered under (Programme means a degree course like BA, BSc, MA, M.Com...)

- a. Annual system :  
 b. Semester system : **02 (B.Sc. & M.Sc)**  
 c. Trimester system :

17. Number of programmes with

- a. Choice Based Credit System : M.Sc. (Org.Chem)  
 b. Inter/Multidisciplinary Approach : Nil  
 c. Any other (specify and provide details): Nil

18. Does the college offer UG and / or PG programmes in Teacher education?

Yes No   
 If yes,

- a. Year of introduction of the programme(s) \_\_\_\_\_  
(dd/mm/yyyy) and number of batches that completed the programme.
- b. NCTE recognition details (if applicable)  
Notification No. \_\_\_\_\_  
Date: \_\_\_\_\_ (dd/mm/yyyy)  
Validity: \_\_\_\_\_
- c. Is the Institution opting for assessment and accreditation of Teacher Education Programme separately?

Yes

No ✓

19. Does the college offer UG or PG programme in Physical education?

Yes

No ✓

If yes,

- a. Year of introduction of the programme(s) \_\_\_\_\_  
(dd/mm/yyyy) and number of batches that completed the programme.
- b. NCTE recognition details (if applicable)  
Notification No. \_\_\_\_\_  
Date: \_\_\_\_\_ (dd/mm/yyyy)  
Validity: \_\_\_\_\_
- c. Is the Institution opting for assessment and accreditation of Teacher Education Programme separately?

Yes

No ✓

20. Number of teaching and non-teaching positions in the Institution

Positions	Teaching Faculty						Non-Teaching Staff		Technical Staff**	
	Professor**		Associate Professor		Assistant Professor		*M	*F	*M	*F
	*M	*F	*M	*F	*M	*F	*M	*F	*M	*F
Sanctioned by the UGC/University /State Govt. Recruited	-	-	19	08	06	04	06	-	-	-
Yet to recruit	-	-	-	-	-	-	15	-	-	-
Sanctioned by the management/society or other authorized bodies Recruited	-	-	-	-	08	11	10	04	01	-
Yet to Recruit	-	-	-	-	-	-	-	-	-	-

\*M-Male \*F-Female \*\* Post does not exist in affiliated colleges

## 21. Qualification of the teaching staff:

Highest Qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
<b>Permanent Teachers</b>	-	-	<b>19</b>	<b>08</b>	<b>06</b>	<b>04</b>	<b>37</b>
D.Sc. / D.Litt.	-	-	-	-	-	-	-
Ph.D.	-	-	05	02	02	-	09
M.Phil.			02	-	02	01	05
PG	-	-	12	06	02	03	23
<b>Temp. Teachers</b>	-	-	-	-	<b>04</b>	<b>08</b>	<b>12</b>
Ph.D.	-	-	-	-	01	02	03
M.Phil.	-	-	-	-		01	01
PG	-	-	-	-	03	05	08
<b>P-T Teachers/ Visiting Faculty</b>	-	-	-	-	-	-	<b>08</b>
Ph.D.	-	-	-	-	03	01	04
M.Phil.	-	-	-	-	-	01	01
PG	-	-	-	-	03	-	03
<b>Total</b>							<b>57</b>

## 22. Number of visiting faculty / Guest Faculty engaged with the college

Five Visiting Faculty for M.Sc. Organic Chemistry Course

## 23. Furnish the number of students admitted to the college during the last four academic years.

Categories	Year 2010-11		Year 2011-12		Year 2012-13		Year 2013-14	
	Male	Female	Male	Female	Male	Female	Male	Female
<b>SC</b>	24	11	29	14	22	12	19	18
<b>ST</b>	06	00	01	02	08	05	07	04
<b>OBC</b>	142	83	144	102	149	121	115	116
<b>General</b>	137	237	162	262	168	240	201	258
<b>Others</b>	39	21	34	40	20	23	10	44

24. Details on students enrollment in the college during the current academic year (2014-15):

Type of Students	UG	PG	M.Phil	Ph.D	Total
Students from the same state where the college is located	837	60	-	03	900
Students from other state from India	-	-	-	-	-
NRI Students	-	-	-	-	-
Foreign Students	-	-	-	-	-
<b>Total</b>	<b>837</b>	<b>60</b>	<b>-</b>	<b>03</b>	<b>900</b>

25. Dropout rate in UG and PG (average of the last two batches)

UG : 19.4

PG : Nil

26. Unit Cost of Education (For the year 2013-14)

**UG:**

(a) Including the salary component : Rs. 74572/-

(b) Excluding the salary component: Rs. 4847/-

**PG (M.Sc. Organic Chemistry):**

(a) Including the salary component : Rs.35,828 /-

(b) Excluding the salary component: Rs.18,568/-

27. Does the college offer any programme/s in distance education mode (DEP)?

Yes :

**No : ✓**

If yes,

a) Is it a registered centre for offering distance education programmes of another University

Yes :

No:

b) Name of the University which has granted such registration.

c) Number of programmes offered :

d) Programmes carry the recognition of the Distance Education Council.

Yes :

No :

28. Provide Teacher-student ratio for each of the programme/course offered

B.Sc. 1: 18.3

M.Sc.1: 20

29. Is the college applying for

Accreditation: Cycle 1: Cycle 2: **Cycle 3: ✓** Cycle 4:

30. Date of accreditation\* (applicable for Cycle 2, Cycle 3, Cycle 4 and re-assessment only)

Cycle 1: **15/05/2002** Accreditation Outcome/Result: **4 Stars**

Cycle 2: **30/09/2009** Accreditation Outcome/Result: **A (3.10 CGPA)**

\* Enclosed copy of accreditation certificate(s) as **Enclosures No.3 & 4** and peer team report(s) as **Enclosure No. 5**.

31. Number of working days during the last academic year: **256**

32. Number of teaching days during the last academic year: 201  
(Teaching days means days on which lectures were engaged excluding the examination days)

33. Date of establishment of Internal Quality Assurance Cell (IQAC)  
**IQAC 12/07/2003**

34. Details regarding submission of Annual Quality Assurance Reports (AQAR) to NAAC.

1. AQAR 2009-10 submitted on 11/06/2010  
<http://www.gssbgm.edu.in/AQAR-Report-2009-10.htm>

2. AQAR 2010-11 submitted on 02/08/2011  
<http://www.gssbgm.edu.in/AQAR-Report-2010-11.htm>

3. AQAR 2011-12 submitted on 02/07/2012  
<http://www.gssbgm.edu.in/AQAR-Report-2011-12.htm>

4. AQAR 2012-13 submitted on 30/11/2013  
<http://www.gssbgm.edu.in/AQAR-Report-2012-13.htm>

5. AQAR 2013-14 submitted on 19/07/2014  
[http://www.gssbgm.edu.in/IQAC\\_Report\\_13-14.htm](http://www.gssbgm.edu.in/IQAC_Report_13-14.htm)

35. Any other relevant data (not covered above) the college would like to include. (Do not include explanatory / descriptive information)

- The college has received recognition of “**College with Potential for Excellence (CPE)**” from UGC. As a result of CPE grants and additional special grants for science departments were received. This was used for upgradation of the departmental laboratories and infrastructure.
- The College campus was secured by Government of Karnatak as a Counting Centre cum Strong Room at the April 2013 Assembly Elections.

# PART - II

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# CRITERIA-WISE EVALUATIVE REPORT

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## Executive Summary of SSR 3<sup>rd</sup> Cycle 2015

### Criterion I: Curricular Aspects

Students are the first stake-holders in GSS College. It has tremendous faith in the transformative power of knowledge and wisdom. It believes that in this stress-affected planet of ours Education alone can bring about meaningful and lasting change. This is reflected in the College's mission statement of educating to '**empower the individual with knowledge.**' Aspiring students get the first glimpse of the college through the Prospectus, which also familiarizes them with the College's Vision and Mission, goals and objectives, and its facilities and activities.

The College imparts instruction at the UG and PG levels in the Science stream. Its goal is to facilitate every student to acquire knowledge and skill-sets, develop scientific temperament, and wholesome values. This will lead to a well-balanced personality which improves student employability and contribution to the social good.

Scientific mindset and love of learning in students is promoted by the College by fostering awareness of the grand universe of phenomena. Co-curricular events and sports help improve self-esteem, develop communication skills, leadership qualities, team-spirit and health. Students are sensitized to human, gender, cultural and environmental values. Youth Red Cross/NCC/NSS units foster the spirit of sacrifice and community service.

The faculty is well-qualified and devoted, many of whom are on the affiliating Rani Channamma University BoS's (17 UG & 01 PG) and BoE's (20). Some of them have helped in designing the syllabi of the new University (estd. 2008-09) and other autonomous colleges. They prepare students to face challenges of life. Knowledge is inculcated in students through teaching, projects, orientation programmes, and networking with institutes and industries. INFLIBNET and ICT are made use of to ensure students have a quality learning experience. A trained Psychologist is available on the campus to counsel students and help resolve their personal problems. The Placement Cell helps students attend Campus Interviews and Online selection events. Many students have received job offers in the last two years. Many best practices have been implemented and many more are listed for implementation in the next few years.

### Criterion II: Teaching–Learning and Evaluation

08 UG courses and 01 PG (M Sc in Organic Chemistry) course are offered by the College. (An M Sc in Botany will start in June 2015). These are published on the college website and in the Prospectus, and canvassed



through advertisements. Aspiring students go through a transparent admission process which ensures equal access to all sections including the disadvantaged ones. GSS College offers student-centric practices like seminars and projects, orientation and mentor programmes, remedial and enrichment lectures, group discussions, etc.

In order to facilitate quality learning experience for students the College uses tools like Academic Calendar, Monthly Teaching Plan, use of digital projectors and computer-aided methods (ICT), seminars, brain-storming, exhibitions, Partial Open-Access library with INFLIBNET, Internet, sports facilities, etc. These help the College realize the intended outcomes. Transparency in evaluation methods is achieved through a Centralized Examination system. In order to enhance student employability and higher education NSDC's skills development courses and Language skills lab are available.

The college has a team of 37 regular teachers, and 20 temporary/guest teachers. The Management promotes professional development through staff training and by motivating faculty to pursue research and excellence. As a result, 16 faculty possess Ph D (09 regular and 07 temporary), while 04 faculty are pursuing Ph.D (03 regular and 01 temporary). In addition, 05 regular teachers have M.Phil degrees. Apart from this 05 faculty members have received awards for teaching, research and literature.

### **Criterion III: Research, Consultancy and Extension**

The College has seen tremendous increase in research activity during the last five years. Faculty has completed 02 Major research projects and 01 major project is ongoing. While 03 Minor research projects have been completed, 08 minor projects are ongoing. College faculty members have published 41 research papers in journals and have presented 84 research papers at various events. Besides, the college is one of the few where students are encouraged to undertake voluntary research projects and design scientific models.

07 National and 02 State seminars/workshops were organised by the College, while 04 University and 05 District events were conducted. The College has entered into MoU's with 04 institutions to increase research activity, and has 05 collaborations. 01 faculty is co-guide to 03 Ph D students. "Science Saturdays" are held in the college where the latest developments in Science are discussed. Over 25 scientists and researchers of national and international eminence visited the college and interacted with the students and faculty.

College faculty members use their expertise for providing consultancy services: One faculty provides paid consultancy and 05 faculty give

informal honorary consultancy. The Geology Department conducts a crash course in identification and analysis of Mineral and Ores for UG/PG students of a local Ayurveda Medical College.

The College take great pride in the fact that it was chosen by The Department of Science and Technology (DST) to conduct INSPIRE Internship Camps for four consecutive years (including 2014-15) to increase PU students' interest in the basic Sciences. The college extends soil testing services and has conducted events on Organic farming for the farming community. The college has developed links with many nearby sugar factories, foundries and industries where the students are taken on study visits.

#### **Criterion IV: Infrastructure and Learning Resources**

The College is set on 28 spacious acres and has adequate quality infrastructure for academic, curricular and extra-curricular activities. Yet when need arises it develops/upgrades infrastructure and technology-enabled resources to enhance effective teaching-learning and research activities. For teaching and learning there are, among others, 37 lecture halls, 24 well-equipped labs, a Geology Research Lab, Polymer Research Lab, Departmental Museums, Botanical Garden, 02 A-V Auditoriums, 04 SmartClasses. The automated Library is one of the finest college libraries in North Karnataka with INFLIBNET, Internet browsing and reprography facilities. In order to enrich their learning experience students are encouraged to access online resources for study, projects and presentations. Every department has its own mini-library, computers and Internet facility and staff are encouraged to prepare and use computer-aided teaching/learning materials. The campus is Wi-Fi enabled. It makes considerable use of renewable solar and biomass energy systems and also has sufficient power back-up. There are filtered and/or chilled water dispensers at important points in the campus.

In order to achieve the goal of a well-balanced personality in students, the college promotes fitness and health. There is a large Play-ground where cricket, hockey, football, basketball, volleyball, netball and kho-kho are played. It also has a full-size athletic track, and a Pavilion where indoor games are available. In addition, there is a Multi-Gym facility and a Yoga and Meditation hall. An Open Air Theatre and 03 auditoriums are available for cultural activities. In order to enhance student employability communication and soft skills are developed with the help of a Language Lab. The college Coaching Academy trains aspirants for entrance and competitive exams. The Hobby Centre conducts courses in useful 'earn while you learn' skills for girl students. NCC/NSS units help inculcate values like discipline, service and sacrifice. They are reinforced by activities of the Debating Union and Ladies' Association.

Counselling and guidance cells are of vital help to young students. A trained psychologist helps students to resolve personal issues. Student Welfare Office and Grievance Redressal Cell help in other kinds of problems faced by students. The Placement Cell works to enhance student employment opportunities by facilitating on-campus and online selection events. A Health Center is available on the campus. A modern Canteen is open from morning to late evening and serves hygienically prepared eatables and beverages. The college has 02 Ladies' Hostels with mess, 01 Gents Hostel, and Staff Quarters with 13 units. There is a Guest House too. Lady staff and girl students have the use of 02 Ladies' Rooms. The campus houses a PSU Bank with ATM facility. Security in the campus is enabled 24x7 with guards and CCTV. Use of the above infrastructure is optimized by sharing it with sister institutions.

### **Criterion V: Students Support and Progression**

In order to maximize benefits to students the college follows student-centric practices. An updated Prospectus is published every academic year. Students are familiarized with College Vision and Mission statements and details of admission procedures and, course-details and scholarships, college policies, facilities and activities. More detailed information is put on the college website. Needy but bright students are supported with financial scholarships and grants. Over Rs.18,00,000/- were distributed to students as state/national/institutional scholarships and alumni grants. Students from disadvantaged sections of society are helped in admission and with book/scholarships. The college has a policy of supporting students with disabilities by extending facilities like providing lectures and library books on the ground floor. Student mentoring system is practiced. Course preparation prompts students to be computer literate. 04 students have won Gold Medals in University examinations.

Ragging is prohibited by the college and the law. The Grievance Redressal Cell oversees prevention of ragging. Faculty alertness has ensured that no incident has taken place in the college. In order to prevent sexual harassment the college has a Gender Atrocity Cell which takes measures like gender sensitization and counselling. No case of harassment has been reported during the last five years. As a result a 'health atmosphere' prevails in the campus. Students (boys and girls) are encouraged to participate in cultural and sporting activities like elocution/debate, singing, dance, athletics events and games to develop their personality. The college bears all expenses when they attend outstation events. Girl students can join 'earn while you learn' courses in personal-grooming, embroidering, making jams and sauces at the Hobby Centre. Facilities like Canteen, Health Center, Bank with ATM, reprography and payphone are available on the campus. A trained Psychologist helps students with personal and psycho-social counselling. Academic and career counselling is provided by teachers. The

Placement Cell helps arrange training in English language and Soft skills at the Language lab to improve student employability. It also facilitates Campus selection and online Placement events. Even though the job market was depressed during the last few years many college students were placed in jobs by the cell. The college Coaching Academy helps students preparing for entrance/competitive exams with guidance, study material, group discussion and mock interviews. The College maintains bonds with past students through the Alumni Association, which hold reunions and gives support to college activities.

Students at risk of dropout are identified by faculty and counseled to continue studies. In some cases the parents are counseled as well. Girl students at risk of 'early marriage' and their parents are counseled and encouraged to give priority to education. Student dropout takes place mainly at B.Sc Semester 1. Dropout rates at Semesters 2 to 6 are low. Such students, and their parents, are encouraged to continue studies in order to improve future prospects. Financial assistance, free books and access to departmental library are extended to such students.

The College 'Gymkhana' is the Students' Council consisting of General Secretary, Ladies' Representative, Student Secretaries, Class Representatives and faculty members. The Gymkhana schedules and conducts extra-curricular activities, sports and games, and encourages student participation in them. GSS College is well represented in the University Youth Festivals and sports teams. 23 college sportspersons (some more than one time) have become University Blues. One student has won the First Prize at a National Level Singing Competition held in Gujarat. There are 03 NCC units on the campus (02 Army Wing and 01 Air Wing) which instill discipline. 04 cadets have won Gold Medals at, and many others have earned distinction in, national level NCC events. An NSS Unit and a Youth Red Cross inculcate values of service and sacrifice. Student volunteers take active part in associated activities and Blood donation camps.

The college Office also plays an important role in college administration. It processes admissions, prepares roll register, manages correspondence, and facilitates the conduct of examinations. Office staff is trained to interact courteously with students, parents and visitors. Support staff looks after the maintenance and upkeep of classrooms, labs and the campus.

### **Criterion VI: Governance and Leadership**

The College Vision and Mission highlight India's 'demographic dividend' and hence focus on the youth. They represent resurgent India and are in tune with the National higher education policy. The College's mission statement defines its role as a facilitator in knowledge acquisition by youth and thereby

empower them. The above are actualized through the framework of college's goals and objectives into academic and allied activities. The Governing Council of S K E Society and its GSS College Managing Committee frame policies, action plans and oversee the college activities. The Governing Council meets every Tuesday to monitor the activities and review the functioning of the college and also interact with the faculty and students.

Feedback from stakeholders like students, faculty and community is gathered by the Principal. Relevant information is forwarded to the Management which accordingly takes decisions and frames plans for the future. Duties and responsibilities are defined and implemented through a hierarchical structure that includes IQAC, HoD's and other Committees. There are sufficient mechanisms for internal monitoring and co-ordination. Faculty performance is assessed on the basis of their self-appraisal reports and student evaluation. The IQAC plays a central role in the planning and implementation of college activities. Many of its recommendations have been accepted for implementation. This system also helps in developing leadership qualities in the staff. As a result of Management's quality improvement strategies there is considerable increase in staff participation in academic activities and research. Coupled with workshops/training these have enabled empowerment of the staff. An Employees' Co-op. Society and staff quarters add to staff benefits.

Resource mobilization is mainly looked after by the management. The main sources of funds are the Government of Karnataka (salary grants), student fees, government agencies like UGC, DST, MoES, Rani Channamma University, etc. Deficit, if any, is made good by the society. The financial accounts of the college are audited by outside Chartered Accountants and government bodies.

### **Criterion VII : Innovative and Best Practices**

The college follows many best practices for quality assurance. Environmental consciousness is clearly high on the agenda. For purpose of creating awareness and study the college has conducted Green Audit; uses renewable energy sources in part (solar and biomass); has a medicinal and Botanical gardens, a Cactus House, an Aquatic plant pond and a Green house; has implemented a Water Harvesting system and operates a Vermi-compost unit. It manages hazardous waste with an effluent treatment plant to treat lab effluents. The college maintains extensive green cover.

## **Criterion I: Curricular Aspects**

### **1.1 Curriculum Design and Development**

#### **1.1.1 State the Vision and Mission of the institution and how is it communicated to the students, teachers, staff and others stakeholders?**

**Vision:**

“An aware and empowered Youth who use the power of Knowledge to combat ignorance, poverty, social inequity and suffering in our Nation for improved quality of life.”

**Mission:**

“To make available quality Science Education to the young people of the region, and empowering them with requisite knowledge and skills”.

The students are made aware of the Vision and Mission of the college through the Prospectus at the time of admission. Their significance is explained to them during the Induction/Orientation programmes arranged at the entry-point of B Sc 1 Sem. Faculty members and other stakeholders are routinely familiarized through college stationery like files, pads, and banners, etc., and at meetings and functions.

GSS College has the following **Goals and Objectives:**

1. Impart instruction and skills in the Sciences at UG and PG levels and encourage young minds to embark on an exciting journey of learning.
2. Facilitate students to acquire scientific temperament, and develop abilities of inquiry, reasoning, analysis and assessment.
3. Help young people to develop well-formed personality.
4. Improve student employability and prepare them for higher education.
5. Inculcate values like humanism, reverence for the environment, respect for human rights and culture.

#### **1.1.2 How does the mission statement reflect the institution’s distinctive characteristics in terms of addressing the needs of the society, the students it seeks to serve, institutions, traditions and value orientation?**

The College believes that Education alone can bring about significant and lasting change in individuals and society. Hence the college

Mission statement reflects its desire to educate and empower the individual with knowledge. The college believes that educating students (by inculcating scientific temperament alongwith life-values, Indian heritage and traditions) will contribute to social, economical and technological development of the nation.

**1.1.3 Are the academic programmes in line with the institution's goals and objectives?**

Yes.

**If yes, give details on how the curricula developed / adopted, address the needs of the society and have relevance to the regional/ national and global trends and developmental needs? (access to the Disadvantaged; Equity, Self development, Community and National Development, Ecology and environment, Value orientation, Employment, ICT introduction, Global and National demands, and so on)**

The academic programmes are solely designed by the affiliating Rani Channamma University. Yet, the college tries to achieve its goals and objectives through various academic and related activities.

Teachers create awareness of phenomena in classroom teaching, lab practicals, fieldwork, and student-projects. Love of learning and interest is generated by using educational aids like charts, ICT, Audio-visual CD's and field-visits.

Exposure to ICT is made through free Internet facility available in the campus. Activities like debates, elocution, essay-writing, sports, and cultural activities help develop communication skills and leadership qualities.

Students are sensitized to cultural and gender values, respect for the environment and human-rights, through talks by eminent persons, selection of topics for seminars and workshops, debates, elocution and essay-writing. NCC and NSS units, and the Youth Red Cross, foster the spirit of community service and national development.

These activities facilitate students to develop multi-dimensional personality with a liberal outlook. Teaching-learning activities in the classroom, fieldwork also help students to prepare for examinations and higher education. Placement Cell, NSDC courses, Hobby Centre and Language Lab help enhance student employability.

**1.1.4. How does the curriculum cater to inclusion/ integration of information and communication technology in the curriculum for equipping the students to compete in the global employment markets?**

Realising the importance of ICT, the College introduced Self-financed optional paper in Computer Science. Besides, Computer Application is a compulsory paper at B.Sc IV Semester. The Science departments are equipped with Smartboards, educational CD's, LAN connectivity, INFLIBNET, and e-books.

The College started M.Sc. (Organic Chemistry) course in 2009-10. M.Sc. course in Botany will be started in 2015-16. All this has resulted in many job offers made to our students by leading IT, Engineering and Pharma companies at Campus interviews and online selections.

**1.1.5. Specify the initiatives and contributions of the institution in the curriculum design and development process. (Need assessment, development of information database, feedback from faculty, students, alumni, employees and academic peers, and communicating the information and feedback for appropriate inclusion and decisions in statutory academic bodies, Membership of BoS and by sending agenda items, etc.)**

The college gets feedback from students and inputs from industries and alumni. Faculty members interact with scholars and resource persons at seminars, workshops, Teacher Conferences, etc., where the syllabus is discussed. Accordingly, suggestions for essential updating of syllabi are sent to the respective BoS. Many departments of the college contributed inputs to respective BoS's at the time of introduction of Semester System (2005) and during the designing of Syllabi by the new Rani Channamma University. Many faculty have also helped deemed Universities/ Autonomous Colleges to design their syllabi.

**Rani Channamma University BoS:**

- 1 Prof. A.K.Mense (Chairman, Geology)
- 2 Dr. P. T. Hanamgond (Chairman, Geology)
- 3 Prof. S.F.Patroti (Chairman, Botany)
- 4 Prof. A.L.Gadgil (Chairman, Botany)
- 5 Prof. S.Y.Prabhu (Chairman, Zoology)
- 6 Dr. V.A.Kupwade, (Member, Zoology)
- 7 Prof. G.Usharani (Chairman, Zoology)



- 8 Prof. M.K.Vishweshwaraiah (Chairman, Zoology) & also Member, Mysore University
- 9 Prof. Meena Satyanarayan (Chairman, Mathematics)
- 10 Dr. C B Joshi (Sanskrita Department),
- 11 Prof. Meera Tarlekar (Member, Marathi)
- 12 Dr. H.B.Kolkar (Member, Kannada)
- 13 Prof. S.S.Joshi (Member, Hindi)
- 14 Dr. R.G.Menon (Chairman, Chemistry)
- 15 Prof. M.M.Shanbhag (Member, Physics)
- 16 Prof. D.P.Deshpande (Member, Physics)
- 17 Prof. S.K.Hukkeri (Member, Physics)

Prof. M.S. Nagasuresh (Department of Mathematics) was invited member for BoS and he is the Secretary of Rani Channamma University College Mathematics Teachers Association.

#### **Rani Channamma University BoE:**

- 1 Prof. A.K.Mense (Chairman, Geology)
- 2 Dr. P. T. Hanamgond (Chairman, Geology)
- 3 Prof.S.F.Patroti (Chairman, Botany)
- 4 Prof.A.L.Gadgil (Chairman, Botany)
- 5 Prof.S.Y.Prabhu (Chairman, Zoology)
- 6 Dr.K.S.Naik (Member, Mathematics)
- 7 Prof. M.K.Vishweshwaraiah (Chairman, Zoology)
- 8 Prof.G.Usharani (Chairman, Zoology)
- 9 Dr. C B Joshi (Member Sanskrita)
- 10 Prof.S.R.Tagare (Chairman, Mathematics)
- 11 Prof.S.S.Hegde (Chairman, Mathematics)
- 12 Prof.N.R.Malgi (Member, Physics)
- 13 Dr.R.G.Menon (Chairman, Chemistry)
- 14 Prof.D.P.Deshpande (Member, Physics)
- 15 Prof.S.E.Anantha (Member, Physics)
- 16 Prof. S.A.Nerlikar (Member, Comp.Sc. for RLS Autonomous College, Belgaum)
- 17 Prof. B.L.Majukar (Member, Botany. for RLS Autonomous College)
- 18 Prof. M.S.Nagsuresh (Member, Mathematics, RLS Autonomous College, Belgaum)
- 19 Prof.S.K.Hukkeri, (Member, Physics, RLS Autonomous College, Belgaum)
- 20 Dr.S.S.Kalgi (Member, Physics for RLS Autonomous College, Belgaum)

All the above faculty have contributed to curriculum design and development.

Besides, Dr P T Hanamgond (Department of Geology) was appointed Coordinator/Member of the Geology Textbook Committee by Karnataka Pre-University Board. And contributed to the Geology textbooks for PUC I & II courses in Karnataka. A workshop in this regard was conducted (6-8 Dec 2013).

Dr.H.B.Kolkar (Department of Kannada) Two day text book formation committee workshop on 24-25 Oct 2013.

Dr. P. T. Hanamgond participated in a closed Workshop of syllabus designing conducted by Geography Department, Parvati Bai Chougule College, Madgaon, Goa.

Dr.C.B.Joshi, helped in syllabus designing of Samskrita Dept. of PC Jabin Autonomous College, Hubballi.

## 1.2 Academic Flexibility

### 1.2.1 What are the range of programme options available to learners in terms of degrees, certificates and diplomas?

Eight Bachelor Degree courses are available in the following combinations:

1. Physics, Chemistry, Mathematics (PCM)
2. Physics, Mathematics, Computer Science (PMCom)
3. Physics, Mathematics, Geology (PMG)
4. Chemistry, Botany, Zoology (CBZ)
5. Chemistry, Geology, Computer Science (CGCom)
6. Chemistry, Mathematics, Computer Science (CMCom)
7. Chemistry, Botany, Geology (CBG)
8. Chemistry, Zoology, Computer Science (CZCom)

**Note: Compulsory Papers:** 1. English and 2. MIL (Modern Indian Language) for Sems I - IV; In addition - Indian Constitution (Sem I), Human Rights & Environmental Studies (Sem II), Personality Development & Communication Skills (Sem III), and Computer Applications (Sem IV).

### 1.2.2 Give details on the following provisions with reference to academic flexibility, value addition and course enrichment:

- a) **Core options:** Not Applicable  
 b) **Elective options:**

**BSc:** Group of three of equal importance

1. Physics, 2. Chemistry, 3. Mathematics, 4. Geology,  
5. Computer Science, 6. Botany, 7. Zoology,  
And 02 Languages: i. Basic English, and ii. MIL  
(Kannada/Marathi/ Hindi/Sanskrita/Additional English).

**MSc:** Organic Chemistry. Each semester has 5 papers.

**c) Add-on Courses:** Certificate course in 1. Retail and 2. Health-Care (of National Skills Development Council, New Delhi) is available. The college also runs a Coaching Academy to help students prepare for entrance/competitive exams.

**d) Interdisciplinary Courses:** none

**e) Flexibility to the students to move from one discipline to another:**

Not permitted by University norms.

**f) Flexibility to pursue the programme with reference to the time frame (Flexible time for completion):**

Not permitted by University norms.

**1.2.3 Give details of the programme and other facilities available for international students (if any).**

Program Courses and other regular facilities available to Indian students are also available to foreign students. (Currently, there are no foreign students enrolled in the college.)

**1.2.4 Does the institution offer any self-financed programmes in the institution? If yes, list them and indicate how they differ from other programmes with reference to admissions, curriculums, fee structure, teacher qualification and salaries etc.**

Yes. The college offers the following self-financed courses:

**Computer Science is an Optional paper offered in B.Sc course.** College adheres to the Rani Channamma University admission norms, fee-structure and teacher qualifications. Teachers' salaries are set by the college.

**PG (M.Sc. Organic Chemistry).** College adheres to the Rani Channamma University admission norms, fee-structure and teacher qualifications. Teachers' salaries are set by the college.

The Admission criteria, Curriculum, Fee structure, Teachers Qualifications, Salary and nature of Course are as shown below:

Particulars	B.Sc. Computer Science (Optional)	M.Sc in Organic Chemistry
Admission	Merit	15 seats -RCU + 15 seats -Management
Curriculum	Designed by RCU	Designed by RCU
Fee structure	Rs.3459/yr	Rs 72000/yr (Management Quota) Rs 9230/yr (University Quota)
Teacher's qualification	M.Sc/MCA/PGDCA	M.Sc with Ph.D/NET/SLET
Salary	Rs.12,000 per month	Rs.25000 per month
Nature	Regular	Regular

### 1.3 Feedback on Curriculum

#### 1.3.1 How does the college obtain feedback on curriculum from...?

- a) **Students:** During Orientation programme and Mentor Group meetings and through feedback forms
- b) **Alumni:** suitability of curriculum is discussed at Alumni meets.
- c) **Parents:** Faculty interaction with parents during Parent Meetings.
- d) **Employers/ Industries:**
  1. Feedback from recruiters who visit our college for campus interviews.
  2. Inputs received during industrial visits by students and faculty.
- e) **Academic Peers:**
  1. Interaction with peers during Teacher Forum meets/conferences.
  2. Discussion with academics and eminent educationists during workshops and seminars.
- f) **Community:**
  1. Suggestions from parents.

#### 1.3.2 How are the above feedback analyzed and the outcome/suggestions used for continuous improvements and communicated to the affiliating university for appropriate inclusions?

Feedback received from various stakeholders are analysed and findings discussed in the Staff meetings of respective departments. Findings found useful are communicated to the respective Boards of Studies of the University.

Findings relevant to the college are brought to the notice of the Management/Staff and necessary action initiated.

## **1.4 Curricular Update**

### **1.4.1 What is the frequency and the basis for the syllabus revision and what are the major revisions made during the last two years**

1. The authority to revise syllabi rests with Rani Channamma University alone. As a matter of routine every 3 years the syllabi of individual papers undergo revision. The same applies to M.Sc Courses.
2. Syllabi of B.Sc (Sem I & II) was revised in June 2014.

### **1.4.2 How does the institution ensure that the curriculum bears a thrust on the core values adopted by NAAC?**

1. The syllabi (including revised versions) of RCU include aspects of the latest advances in the different fields of Science.
2. The Degree course syllabi include Personality Development, Soft Skills, Human Resources and Environment Awareness, and Indian Constitution, which help in overall development of personality.
3. Talks by leading thinkers, scholars, and faculty sensitise students to value systems that give meaning to life. Apart from this, students take part in Debates, Sports & Games, NCC and NSS activities and Youth Red Cross that foster leadership qualities and community service values.
4. Access to ICT helps students to develop global competencies.
5. The curriculum and Coaching Academy help students prepare for higher studies, competitive/entrance tests in pursuit of excellence.

### **1.4.3 Does the institution use the guidelines of the statutory bodies (UGC/AICTE? State councils of HE and other bodies) for developing and/or restructuring the curricula?**

Rani Channamma University alone develops/restructures the curricula. Hence the college does not have any direct role in it. Faculty members of various departments provide inputs to respective BoS's.

### **1.4.4 How are the existing courses modified to meet the emerging/changing national and global trends?**

The college has no authority to modify courses. Yet it tries to meet the changing national and global trends through the following:

1. The Departments encourage voluntary student research projects to inculcate research orientation.
2. Skill-oriented courses of National Skill Development Council (NSDC), New Delhi.
3. Orientation programme for Entrepreneurship development is conducted for Final year students.

4. Local industrialists/entrepreneurs are invited to address students on entrepreneurship.
5. Soft skills development is encouraged through co-curricular activities.
6. Computer Applications, Indian Constitution, Personality Development and Communication Skills, Human Resource and Environmental Studies, have been introduced by the University in the Degree curriculum.

## **1.5 Best Practices in Curricular Aspects**

### **1.5.1 What are the quality sustenance and quality enhancement measures undertaken by the institution during the last five years in curricular aspects?**

The College undertook the following measures:

1. Introduced Project work for students for Chemistry, Geology, Botany, Zoology, Physics, and Computer Science.
2. Introduced NSDC sponsored courses.
3. Started Coaching Academy to prepare students for entrance/competitive examinations.
4. Arranged Field and Industrial visits
5. Encouraged use of Educational CD's and models
6. Arranged State and National level Seminars/Workshops.
7. Encouraged faculty members to pursue research (M.Phil and Ph.D)
8. Motivated faculty members to take-up Major and Minor Research projects.
9. Encouraged faculty and students to participate in seminars/workshops/ conferences.
10. Entered into 04 MoU's with other academic institutions.
11. Held Science Exhibitions.
12. Conducted Olympiad Examinations (Geology & Physics)
13. Workshop on Functional English
14. Computer sciences conducts crash course in (i) Microprocessor & (ii) Computer Hardware.
15. Organised value-based lectures under the banner of "Science Saturdays".
16. Arranged invited lectures to enhance student perspective on latest developments through Science Association and departmental Study Circles/forums.
17. Conducted various quizzes and other competitions.
18. Organised 04 DST Sponsored INSPIRE Internship Camps from 2011 onwards.

### 1.5.2 What best practices in curricular aspects have been planned/implemented by the institution.

The following Best Practices have been implemented by the college:

Planned	Implementation Status
1. Monthly teaching plan	1. Implemented
2. Faculty Development Programme	2. Computer Science Dept conducts crash course in Computer Applications for teaching/non teaching staff.
3. Preservation of old and out of print books by scanning and storing.	3. Out of print and rare books digitalized.
4. Staff Get-together.	4. Held Staff Get-together and picnic. This enhanced feeling of fraternity.
5. Improve students' confidence and communication skills.	5. Student Speeches (Informal) during regular lectures conducted
6. Project Work for interested students.	6. A few Geology/ Zoology/ Botany/Physics students undertook project work.
7. Use of audio-visual Educational aids like CD's and models.	7. Used in classroom teaching.
8. English language skills enhancement programme	8. Functional English Course conducted for students
9. Arrange talks by eminent speakers and educationists.	9. Arranged
10. Organise National and State level seminars/workshops.	10. Conducted
11. Arrange Field and Industrial visits.	11. Arranged
12. Conduct quizzes and Olympiads.	12. Conducted for Physics & Geology
13. Conduct Science Exhibitions.	13. Conducted
14. Encourage faculty to present papers/publish research papers.	14. Faculty presented papers in seminars; and published research papers in peer reviewed journals.
15. Motivate faculty to take-up major and minor research projects,	15. Done
16. Motivate faculty to pursue M.Phil and Ph.D programmes	16. 05 faculty have enrolled for Ph.D 05 Ph.D (03 under FIP)
17. Encourage Faculty to take part in Curricula workshops.	17. 11 Faculty attended Curricula workshops.
18. Encourage students to present Posters based on media resources.	18. Columns on Cutting Edge scientific information from news

19. Expand Hobby Centre activities	papers/periodicals are made in to posters and presented in the class (Geology Department Computer Science Department). 19. Held wide range of activities
20. Implement dress code for students & staff	20. Implemented. Non teaching staff were provided free uniforms
21. Free coaching for SSLC students	21. Some Faculty provided free coaching for SSLC students of Bharatiya Vidya Bhavan's Srinivas Shanbhag High School, Belagavi. They also helped in setting up the school laboratory.

The following best practices have been planned by the college for the next Five years:

1. Start more PG courses
2. Undertake MOOC (Massive Online Open Courses)
3. Increase Add-on Courses
4. Increase number of activities initiated by students
5. Enlarge Alumni involvement in college programmes
6. Vigorously promote faculty research activity
7. Enter into more MoU's with academia and industries
8. Upgrade Placement Cell services
9. Expand Hobby Centre activities (Earn While U Learn)
10. Free health checkup for non teaching staff
11. Increase quantum of scholarship/financial support to students
12. Plant more species in the Botanical Garden and Campus.
13. Increase use of renewable energy/reduce carbon foot-print
14. Conduct energy audit
15. Upgrade playground quality
16. Undertake Campus landscaping
17. Increase in CCTV's
18. Improve security manpower
19. Enhance ICT facilities
20. Increase parking facilities
21. Subscribe more research journals
22. Provide Laptops/Notepads to faculty for increase use of ICT
23. Provide secured cubicles to staff undertaking major/ minor research
24. Science Saturdays
25. Expand activities of Galileo club, Nature club, etc
26. Conduct more SETU workshop by Library for students



## Criterion II: Teaching–Learning and Evaluation

### 2.1 Student Enrollment and Profile

#### 2.1.1 How does the college ensure publicity and transparency in the admission process?

The College gives wide publicity to the admission process through:

1. Its website [www.gssbgm.edu.in](http://www.gssbgm.edu.in).
2. Prospectus giving all the details of the courses and fee structure.
3. Advertisements are published in regional and local newspapers and on local cable TV
4. Publicity is given during Parents' Meet conducted by GSS PU Science College.

#### 2.1.2 Explain in detail the criteria adopted and process of admission (Ex. (i) merit (ii) common admission test conducted by state agencies and national agencies (iii) combination of merit and entrance test or merit, entrance test and interview (iv) any other) to various programmes of the Institution.

The affiliating University sets the eligibility criteria and enrollment limits for student admission. Government of Karnataka has also specified quota for students from weaker sections. These are adhered to when students are admitted to the college.

No Entrance test is held or Interview conducted. Students are counselled so that they select the Course/Group most suitable to their knowledge and skills. Generally all those who seek admission are enrolled if they fulfill required criteria.

The Admission process begins with the student submitting the filled-in Admission form. The student is then meets the Admissions Committee which examines the academic records and assesses the student's aptitude and intellectual abilities, and counsels the suitable Course/Group to be chosen. The committee's advice is not binding on the student.

Admission for M.Sc. (Organic Chemistry) is – 50% through RCU; and 50% Management Quota.

**2.1.3 Give the minimum and maximum percentage of marks for admission at entry level for each of the programmes offered by the college and provide a comparison with other colleges of the affiliating university within the city/district.**

The following table provides the minimum and maximum percentage of marks for admission at the entry level (B. Sc. I Sem) for various programmes offered by the college and provides a comparison with other colleges of the affiliating university in the city for the year 2014-15.

Name of the Institution	Courses	Percentage of marks	
		Minimum	Maximum
<b>1. GSS College, Belagavi</b>	1. PCM	35.33	89.33
	2. PMCs	39.66	82.05
	3. PMG	35.33	87.86
	4. CBZ	35.33	87.86
	5. CBG	35.33	67.0
	6. CZCs	49.83	61.66
	7. CMCs	39	66.33
	8. CGCs	39	66.33
<b>2. B.K. College, Belagavi</b>	1. PCM	35	93.6
	2. PMCs		
	3. CBZ		
	4. CZCs		
	5. CMCs		

2.1.3 contd...

Name of the Institution	Courses	Percentage of marks	
		Minimum	Maximum
3. RL Science	1. PCM	35	95.8
	2. PMCs		
	3. CBZ		
	4. CZCs		
	5. CMCs		

**2.1.4 Is there a mechanism in the institution to review the admission process and student profiles annually? If 'yes,' what is the outcome of such an effort and how has it contributed to the improvement of the process?**

**Yes.** The admission process and the student profile are reviewed annually. Depending on the need and demand, the intake for various courses is accordingly modified. For example, due to demand for PCM course, the intake was increased from 120 (in 2012-13) to 180 in (2014-15). At the same time, for lack of demand, the provision for PME course had to be closed down.

**2.1.5 Reflect on the strategies adopted to increase/improve access for following categories of students, enumerate on how the admission policy of the institution and its student profiles demonstrate/reflect the National commitment to diversity and inclusion**

Admission is given to the candidates belonging to all the below categories to whichever course they choose (but they are encouraged to undergo counselling).

- SC/ST:
- OBC :
- Women :
- Differently-abled: All those who apply are admitted (except blind, deaf & dumb)
  - a) **Economically weaker sections:** On condition of fulfillment of minimum criteria
  - b) **Minority community:** On condition of fulfillment of minimum criteria
  - c) They are given concession in fees. The college facilitates them to get Government of India/Karnataka scholarships, free-ships and student-aid-funds.

- d) Further, the College administration, through South Konkan Empowerment Charitable Foundation, provides scholarships to the economically poor and deserving candidates.
- e) Arrangement is made to hold all lectures on the ground floor for the classes in which differently-abled candidates are studying.
- f) Preference is given to the above category students in hostel accommodation.

**2.1.6 Provide the following details for various programmes offered by the institution during the last four years and comment on the trends, i.e., reasons for increase/decrease and actions initiated for improvement.**

Programmes (UG)	Year	Number of Applications	Number of students admitted	Demand Ratio
1. PCM	2014-15	171	171	1:1
	2013-14	131	131	1:1
	2012-13	130	130	1:1
	2011-12	122	122	1:1
2. PMCs	2014-15	43	43	1:1
	2013-14	42	42	1:1
	2012-13	42	42	1:1
	2011-12	48	48	1:1
3. PMG	2014-15	16	16	1:1
	2013-14	11	11	1:1
	2012-13	01	01	1:1
	2011-12	04	04	1:1
4. CBZ	2014-15	72	72	1:1
	2013-14	80	80	1:1
	2012-13	63	63	1:1
	2011-12	56	56	1:1
5. CBG	2014-15	11	11	1:1
	2013-14	05	05	1:1
	2012-13	04	04	1:1
	2011-12	08	08	1:1

2.1.6 contd...

Programmes (UG)	Year	Number of Applications	Number of students admitted	Demand Ratio
6. CZCs	2014-15	02	02	1:1
	2013-14	12	12	1:1
	2012-13	11	11	1:1
	2011-12	11	11	1:1
7. CMCs	2014-15	10	10	1:1
	2013-14	08	08	1:1
	2012-13	06	06	1:1
	2011-12	05	05	1:1
8. CGCs	2014-15	12	12	1:1
	2013-14	10	10	1:1
	2012-13	10	10	1:1
	2011-12	06	06	1:1
PG – (M. Sc. Organic Chemistry)	2014-15	30	30	1:1
	2013-14	30	30	1:1
	2012-13	30	30	1:1
	2011-12	30	30	1:1
	University quota comes after entrance test conducted by University. Management quota has 1:1 demand ratio			

## 2.2 Catering to Student Diversity

### 2.2.1 How does the institution cater to the needs of differently-abled students and ensure adherence to government policies in this regard?

- All classes with differently-abled students are held on ground floor.
- Provide library facility on the ground floor.
- Portable ramp is available.
- Wheel Chair is arranged.

### 2.2.2 Does the institution assess the students' needs in terms of knowledge and skills before the commencement of the programme? If 'yes', give details on the process.

**Yes.** The College plans starting new courses, or expanding current ones, based on the students' needs, knowledge and skills. In addition, it takes into account the scope for higher studies/employment. Decisions in this regard are based on (informal) student feedback, opinion of recruiters/employers at campus selection, faculty and administration's perceptions. Accordingly intake to various programmes is reviewed periodically. Hence, due to increased demand for PCM course, the

intake was increased from 120 (in 2012-13) to 180 in (2014-15). At the same time, for lack of demand, admission to PME course was stopped.

**2.2.3 What are the strategies adopted by the institution to bridge the knowledge gap of the enrolled students (Bridge/Remedial/ Add-on/Enrichment Courses, etc.) to enable them to cope with the programme of their choice?**

Bridge courses are conducted, especially during the practicals, to bridge the knowledge gap of the enrolled students. Moreover, Remedial and Enrichment courses are a part of the regular activities to help the slow and advanced learners respectively.

**2.2.4 How does the college sensitize its staff and students on issues such as gender inclusion, environment etc.?**

Lectures are arranged in order to sensitize staff and students on gender and environmental issues.

Professionals, such as doctors and psychologists, are invited to deliver talks on gender sensitization. Environmental activists address students on issues concerning the health of the environment.

**2.2.5 How does the institution identify and respond to special educational/learning needs of advanced learners?**

Advanced learners are identified at different stages based on the marks obtained at the qualifying examination and in the subsequent university examinations. Enrichment lectures are arranged by the departments for such students wherein higher difficulty level problems are discussed, seminars on topics other than that in the syllabus are held, and additional tests are periodically conducted.

**2.2.6 How does the institute collect, analyze and use the data and information on the academic performance (through the programme duration) of the students at risk of drop out (students from the disadvantaged sections of society, physically challenged, slow learners, economically weaker sections etc. who may discontinue their studies if some sort of support is not provided)?**

Faculty members identify students from disadvantaged and weaker sections who have potential for academic growth but appear at risk of dropping out. Such students are counselled to complete the course. They are encouraged to continue education by providing them scholarship and support through the South Konkan Empowerment Charitable Foundation.

## 2.3 Teaching - Learning Process

### 2.3.1 How does the college plan and organize the teaching, learning and evaluation schedules? (Academic calendar, teaching plan, evaluation blue print, etc.)

The affiliating University provides the annual Academic calendar. Using it as framework the college schedules college-specific events and activities. In the same way teaching, learning and test schedules are set in the beginning of every semester by the Time-Table Committee in association with the Examination Committee of the college.

All departments display the Monthly Teaching Plan in advance and the faculty implements it. The same is mentioned in the concerned teachers' diary that is checked and signed by the Head of the Department and the Principal every month.

### 2.3.2 How does IQAC contribute to improve the teaching-learning process?

Feed-back from students is analysed and observations noted. The positive and negative aspects of that faculty who fare poorly in feedback are conveyed to the concerned teachers and they are encouraged to improve. In addition, best practices followed by other faculty are highlighted. Views of faculty and peers from other colleges are taken in informal discussions. This has helped to improve the teaching-learning process.

### 2.3.3 How is learning made more student-centric? Give details on the support structures and systems available for teachers to develop skills like interactive learning, collaborative learning and independent learning among the students?

All college activities are centered on students – the main stakeholders. Faculty has been sensitized to use student-centric methods and actively engage students in classroom teaching. Besides, the college organizes many student-centric learning activities like Seminars, Group Discussions, Brain-storming sessions, Exhibitions etc. Facilities like Open-access library and free Broadband Internet are available. Essay-writing, elocution and debate, dance and music, cooking competitions, compeering during functions, Quiz, etc., teach useful communication and leadership skills.

Other support structures and systems to develop skills among students are held through Gymkhana activities where students are encouraged to organize and conduct co-curricular activities. This is designed to help students develop well-formed personality.

**2.3.4 How does the institution nurture critical thinking, creativity and scientific temper among the students to transform them into life-long learners and innovators?**

The institution nurtures critical thinking, creativity and scientific temper among students through the Science Association. A special feature is a fortnightly programme called ‘**Science Saturday**’ during which Guest lectures, Exhibitions, Power Point Presentations cum Competitions on useful/cutting-edge topics for the students are organized. Student research projects, poster presentations, visits to research institutions/ industries, Galileo club (sky watching), etc., also help in this.

**2.3.5 What are the technologies and facilities available and used by the faculty for effective teaching? E.g., Virtual laboratories, e-learning - resources from National Programme on Technology Enhanced Learning (NPTEL) and National Mission on Education through Information and Communication Technology (NME-ICT), open educational resources, mobile education, etc.**

To make learning more effective the college has provided Digital Projectors in many classrooms. Teachers are encouraged to use student-centric computer-aided presentations. Students have access to e-books in the library, Broadband Internet in all the departments and computer labs. Department of Mathematics use Matlab. Language departments use language lab facility.

**2.3.6 How are the students and faculty exposed to advanced level of knowledge and skills (blended learning, expert lectures, seminars, workshops etc.)?**

Teachers and students update their knowledge and skills by keeping pace with recent developments through journals, magazines and periodicals, and e-media such as the Internet. Besides, the faculty keeps abreast of the latest developments by attending seminars, conferences workshops and refresher courses. Special lectures arranged by Science Association (Science Saturdays), staff association and the different departments.

**2.3.7 Detail (process and the number of students benefitted) on the academic, personal and psycho-social support and guidance services (professional counseling/mentoring/academic advice) provided to students?**

Professional counseling is provided in the college by a qualified and experienced Psychologist. The psychologist provides counselling (academic and personal problems).

573 students were counselled during the period 2009-10 to 2014-15.



Informal counseling is also provided by the teachers to students regarding higher education, employability, job availability.

Students are covered by Mentor programme. The mentors provide help to students as and when needed.

**2.3.8 Provide details of innovative teaching approaches/methods adopted by the faculty during the last four years? What are the efforts made by the institution to encourage the faculty to adopt new and innovative approaches and the impact of such innovative practices on student learning?**

Physics Department has introduced **Open Book Test** as an innovative method in teaching during the last two years. Botany and Zoology Departments have adopted class test paper evaluation by students themselves.

Geology Department adopts Brain Storming Method. Language departments hold informal seminars during lectures to enhance confidence and speaking skills in students.

Computer Science Department teaches PLT (Programming Logic Techniques) before starting teaching of programming concepts. All departments conduct student seminars.

**2.3.9 How are library resources used to augment the teaching-learning process?**

Partial Open-Access system is in place in the library. Books are bar-coded and Library is automated. Students and teachers visit the library to refer books and journals. In addition, Broadband Internet is available for e-learning. INFLIBNET facility is available. E-books are available in library as well in departments. Some members of staff make study material in the library available for students' use.

**2.3.10 Does the institution face any challenges in completing the curriculum within the planned time frame and calendar? If 'yes', elaborate on the challenges encountered and the institutional approaches to overcome these.**

**Yes.** The semester system in place demands continuous academic activity without break and there is little time for extracurricular and sports activities. It is really challenging to make do with both. Hence, to meet the challenge the college conducts all extracurricular and sports activities after the regular class hours. In addition, extra classes are conducted on Sundays and other holidays if needed.

### 2.3.11 How does the institute monitor and evaluate the quality of teaching-learning?

A feedback system is in place in the college monitored by IQAC. The college collects teacher-evaluation feedback from students generally around the end of every semester. It is then analyzed and maintained by IQAC. Evaluation of student learning is through test and examination scores. Students' entry and exit scores provide means to evaluate the student progress. Internal assessment marks are also indicators.

## 2.4 Teacher Quality

2.4.1 Provide the following details and elaborate on the strategies adopted by the college in planning and management (recruitment and retention) of its human resource (qualified and competent teachers) to meet the changing requirements of the curriculum

Highest Qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
<b>Permanent Teachers</b>	-	-	<b>19</b>	<b>08</b>	<b>06</b>	<b>04</b>	<b>37</b>
D.Sc. / D.Litt.	-	-	-	-	-	-	-
Ph.D.	-	-	05	02	02	-	09
M.Phil.			02	-	02	01	05
PG	-	-	12	06	02	03	23
<b>Temp. Teachers</b>	-	-	-	-	<b>04</b>	<b>08</b>	<b>12</b>
Ph.D.	-	-	-	-	01	02	03
M.Phil.	-	-	-	-		01	01
PG	-	-	-	-	03	05	08
<b>P-T Teachers/ Visiting Faculty</b>	-	-	-	-	-	-	<b>08</b>
Ph.D.	-	-	-	-	03	01	04
M.Phil.	-	-	-	-	-	01	01
PG	-	-	-	-	03	-	03
<b>Total</b>							<b>57</b>

**2.4.2 How does the institution cope with the growing demand/scarcity of qualified senior faculty to teach new programmes/modern areas (emerging areas) of study being introduced (Biotechnology, IT, Bioinformatics etc.)? Provide details on the efforts made by the institution in this direction and the outcome during the last three years.**

Workshops on emerging areas of study were conducted for teachers of RCU-affiliated Colleges when new syllabus was introduced. For example, workshops on Matlab (for Physics), Pharmacognacy (Botany and Zoology) held in the college. College faculty is encouraged to attend such workshops conducted elsewhere, too.

The college incentivizes the faculty appointed on adhoc basis through attractive salary and assurance of continued service (especially those teaching M Sc course). Staff employed by the Society is incentivized by commensurate increments and through deputation to refresher/training programmes and seminars/workshops as well.

**Outcome:**

1. Most faculty have undergone training and are now capable of handling lectures and practicals of emerging areas comfortably.
2. Technology enabled teaching methods are increasingly used.

**2.4.3 Provide details on staff development programmes during the last four years elaborate on the strategies adopted by the institution in enhancing the teacher quality.**

a) Nomination to staff development programmes

<b>Academic Staff Development Programmes</b>	<b>Nominated No. of faculty</b>
<b>i. Refresher courses :</b>	09 01 (Temp)
<b>ii. HRD programmes: Computer Skills Course by Comp. Sc. Department.</b>	03
<b>iii. Orientation programmes :</b>	09
<b>iv. Staff training conducted by the university :</b>	13
<b>v. Staff training conducted by other institutions :</b>	03 01 (Temp)
<b>vi. Summer / winter schools, workshops, etc. :</b>	01

b) Faculty Training programmes organized by the institution to empower and enable the use of various tools and technology for improved teaching-learning

<b>Teaching, learning methods/approaches:</b>	
<b>i. Handling new curriculum:</b>	04 (Physics, Botany, Zoology, Maths Departments)
<b>ii. Content/knowledge management:</b>	Yes (informal)
<b>iii. Selection, development and use of enrichment materials</b>	Nil
<b>iv. Assessment:</b>	Yes (informal)
<b>v. Cross-cutting issues</b>	Nil
<b>vi. Audio Visual Aids/multimedia</b>	Yes (informal)
<b>vii. OER's</b>	Yes (informal)
<b>viii. Teaching learning material development, selection and use</b>	Yes (informal)

c) **Percentage of faculty**

i. invited as resource persons in Workshops / Seminars/Conferences organized by external professional agencies:	29.73%
ii. participated in external Workshops/Seminars/Conferences recognized by national/ international professional bodies:	73.68%
iii. presented papers in Workshops / Seminars /Conferences	48.65%

**2.4.4 What policies/systems are in place to recharge teachers? (e g: providing research grants, study leave, support for research and academic publications teaching experience in other national institutions and specialized programmes industrial engagement etc.)**

Teachers are encouraged to pursue research in the form of Major & minor projects, Ph.D programme and research papers. They are provided use of Laboratory facilities to carry out research. They are permitted. Faculty Improvement Programme (FIP) and Duty Leave to attend seminars/conferences/workshops. The college also provides financial support.

**2.4.5 Give the number of faculty who received awards / recognition at the state, national and international level for excellence in teaching during the last four years. Enunciate how the institutional culture and environment contributed to such performance/achievement of the faculty.**

**04**

1. **Dr.P.T.Hanamgond (Geology)**, was awarded “Nation Builder Award 2014” by Rotary India Literary Mission; and “Best Professor Award 2014” by Jain International Trade Organisation (JITO). He has been included as Member, Editorial Board of - Journal of Coastal Research, USA since 2010; and of Mining Engineers’ Journal, Hyderabad, India.
2. **Dr.S.G.Adoor (Chemistry)** is a Member of Editorial Board for Indian Journal of Advances in Chemical Science (Section Editor – Physical and Polymer Chemistry sections). He has received Appreciation letters from- American Chemical Society for reviewing the research papers in 2011; and from Indian Institute for Bright Careers, Bengaluru, for Placement work.
3. **Prof. Meera Tarlekar (Marathi)** was a Member, Marathi Advisory Board, Central Sahitya Akademi (2008-2012). She received “Late Mahadev Harekar Smruti Puraskar” by Gurukul Pratishthan, Pune, in 2011; “Suryodaya Kavya Puraskar,” by Suryodaya Sarvsamaveshak Mandal, Jalgaon in 2013.
4. **Dr. S. S. Kalgi (Physics):** (1) Excellent Poster Award at International Union of Materials Research Societies IUMRS-ICA 2011, held at Taipei, Taiwan. (2) Second rank in poster competition in National Seminar NSPM-MDF-2011 organized by Department of Physics, Shivaji University, Kolhapur. (3)The paper “Chemical synthesis of highly stable PVA/PANI thin films for supercapacitor applications” D. S. Patil, J. S. Shaikh, D. S. Dalavi, S. S. Kalagi and P. S. Patil in *Material Chemistry and Physics* 128 (2011) 449 Featured in Top 25 articles for the period of July-Sept 2011

The college culture fosters use of innovative practices in classroom teaching in pursuit of excellence. It has created research facilities and promotes use of ICT. It supports the faculty’s research work and projects, and gives financial assistance to attend seminars/workshops.

**2.4.6 Has the institution introduced evaluation of teachers by the students and external Peers? If yes, how is the evaluation used for improving the quality of the teaching-learning process?**

**Yes.** Feed-back from students is taken by IQAC around the end of every semester. Based on its analysis, the teachers are informed of the positive and negative aspects of their teaching. In addition, the best practices followed by the others are highlighted. This has helped to improve the teaching-learning process.

**2.5 Evaluation Process and Reforms**

**2.5.1 How does the institution ensure that the stakeholders of the institution especially students and faculty are aware of the evaluation processes?**

The scheme of evaluation prescribed by the University is published in the college prospectus. It is made available to every faculty. Students are familiarised with the same during discussions on student performance in departmental/internal assessment tests. At the beginning of a new topic the faculty explains what the students are expected to learn with reference to the topic. The faculty also makes clear how students are expected to present their answers in the tests/exams in an effective manner.

On the basis of student feedback, if it is felt that a particular faculty has not been able to reach out adequately to students on a particular topic, then an open discussion with senior faculty is held to help the concerned staff have better understanding of it.

**2.5.2 What are the major evaluation reforms of the university that the institution has adopted and what are the reforms initiated by the institution on its own?**

- a) 17 faculty members contributed to the designing of new syllabi of Rani Channamma University (refer 1.1.5) when it designed its first syllabi in 2009-10. Components from cutting-edge areas of different subjects were included by the University.
- b) The university has introduced '**Online Marks Entry**' of the Internal Assessment tests (theory and practicals) that the institution has adopted.
- c) Coding of answer scripts is done to ensure confidentiality.
- d) The college has introduced a **Centralized Examination System** for internal assessment tests (earlier the Departments used to conduct the tests "in-house") to bring in more transparency. It also motivates students to study better.

**2.5.3 How does the institution ensure effective implementation of the evaluation reforms of the university and those initiated by the institution on its own?**

The institution ensures effective implementation of the evaluation reforms both of the college and the University. by framing a time-table, evaluation norms, examination sanctity and adhering to it.

**2.5.4 Provide details on the formative and summative assessment approaches adopted to measure student achievement. Cite a few examples which have positively impacted the system.**

The following measures (formative) are used to help in student progress:

1. Enrichment and Remedial courses
2. Class Seminars, Group discussions, Brain-storming sessions
3. Student projects
4. I A tests and University exams.
5. Mentor assessment
6. Internet and Social media based teaching-learning

The summative aspect is based on the student's performance in the Internal Assessment tests conducted by the college and the University final exams of every semester.

**2.5.5 Detail on the significant improvements made in ensuring rigor and transparency in the internal assessment during the last four years and weightages assigned for the overall development of students (weightage for behavioral aspects, independent learning, communication skills etc.)**

The college has introduced Centralized Examination system for internal assessment to bring in more transparency. As the Departments do not conduct these tests themselves, faculty bias/prejudice impacting student performance is greatly decreased. In addition, the marks obtained by the candidates in each test are displayed on the notice board. At semester-end, a consolidated statement of IA marks is prepared subject-wise, on which the student's signature is taken for transparency.

**2.5.6 What are the graduate attributes specified by the college/affiliating university? How does the college ensure the attainment of these by the students?**

The affiliating University has not specified 'graduate attributes'. But from its Mission statement, and Goals and Objectives, one can infer that it expects its graduates to possess knowledge and skills useful in the globalised world market. They must develop a well-formed personality; inculcate values of service, sacrifice, equality, justice and commitment.

### 2.5.7 What are the mechanisms for redressal of grievances with reference to evaluation both at the college and University level?

In case of any discrepancy noticed by students in their IA marks, every department arranges to show the assessed answer scripts to them, and incorporate valid corrections. At the University level, the students are provided with photocopy of the valued answer scripts and there is a provision for re-evaluation too.

## 2.6 Student performance and Learning Outcomes

### 2.6.1 Does the college have clearly stated learning outcomes? If 'yes', give details on how the students and staff are made aware of these?

The college's expected learning outcomes are:

1. Acquisition of scientific temperament and skills of reasoning and analysis.
2. A well-formed Personality.
3. Improved Employability
4. Learning Values

The College's learning objectives are implied in the college's Goals and Objectives. Students are made aware of these at Orientation programmes, faculty is made aware at Department meetings.

### 2.6.2 Enumerate on how the institution monitors and communicates the progress and performance of students through the duration of the course/programme? Provide an analysis of the student's results/achievements (Programme/course wise for last four years) and explain the differences if any and patterns of achievement across the programmes/courses offered.

The student progress and performance is assessed through the internal tests, mentor programme, class attendance and response.

**Analysis of the student's results/achievements (Programme/course wise for last four years. Explain the differences if any and patterns of achievement across the programmes/courses offered.**

Following is the analysis of student's achievements for the last four years

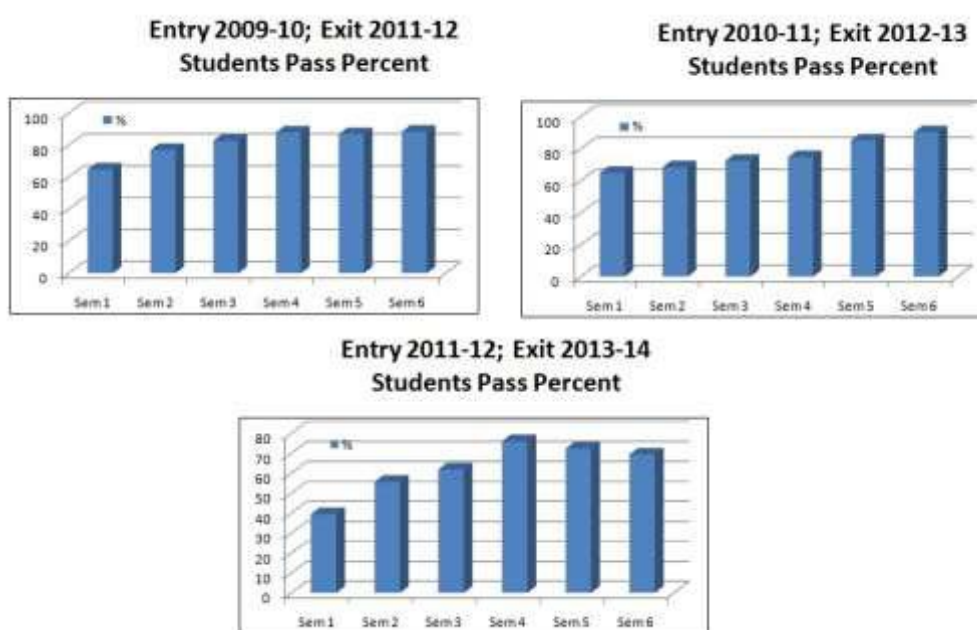
Yr	Stage	2010-11			2011-12			2012-13			2013-14		
		Dtn	I <sup>st</sup>	P	Dtn	I <sup>st</sup>	P	Dtn	I <sup>st</sup>	P	Dtn	I <sup>st</sup>	P
UG	Entry	4.18	10.69	85.11	2.15	11.51	86.33	4.13	21.49	82.64	22.71	27.46	54.24
	Exit	57.65	6.33	7.66	76.98	5.03	17.98	62.38	6.93	69.8	Not Applicable		
PG	Entry	4.17	37.50	-	-	66.67	4.76	-	23.33	-	-	40.00	43.33
	Exit	-	58.33	8.33	-	47.62	-	-	63.33	-	Not Applicable		



After 10+2 standard, brighter students seek admission to professional courses. As a result, generally, students with average or below average scores take admission to B Sc courses. The following table shows the average marks of students admitted during last three years along with the average marks they scored when they passed out of the college.

Entry Year	Exit Year	Average Marks	
		Entry	Exit
2011-12	2013-14	50.72	73.07
2010-11	2012-13	50.87	74.22
2009-10	2011-12	52.50	67.34

The exit scores clearly show considerable progress in their academic performance. A graphical representation of this data is as below:



### 2.6.3 How are the teaching, learning and assessment strategies of the institution structured to facilitate the achievement of the intended learning outcomes?

1. Remedial lectures are aimed at helping slow-learners make up deficiencies.
2. Bridge lectures for freshers at Sem 1.
3. Before the start of a new topic a brief recap is made of the previous topic. Brain storming is also held.
4. Activities like seminars/home-assignment/poster-making/ppt.

### 2.6.4 What are the measures/initiatives taken up by the institution to enhance the social and economic relevance (student placements, entrepreneurship, innovation and research aptitude developed

**among students etc.) of the courses offered?**

1. College plans courses that are in demand in the local community. For example, M Sc in Organic Chemistry (2009); M Sc in Botany is being started in June 2015.
2. Coaching Academy and Courses in Soft-skills and English Language are conducted to improve student Employability during Placement.
3. NSDC courses (HealthCare; and Retail) are conducted.
4. Student projects, Study tours and industrial visits provide insight to research aptitude of a student.

**2.6.5 How does the institution collect and analyse data on student performance and learning outcomes and use it for planning and overcoming barriers of learning?**

Data on student performance is available from college and University tests/exams process. It is analysed and slow learners are identified. Remedial courses and additional teaching is arranged for them.

**2.6.6 How does the institution monitor and ensure the achievement of learning outcomes?**

The college ensures the monitoring and achievement of learning outcomes through the following:

1. A student's response during lectures and performance during practicals/seminars/group discussions is noted. University exam scores are also taken into account to assess scientific temperament and skills of reasoning.
2. Co-curricular activities (debate, elocution, music and dance, Sports and games, class seminars, NCC and NSS, help in developing well-formed personality of students.
3. Coaching Academy and Courses in Soft-skills and English Language skills help to improve student Employability.
4. NCC and NSS help foster discipline, patriotism and social and environmental responsibility among students. Youth Red Cross holds Blood-donation camps which promote sense of belonging and sacrifice.

**2.6.7 Does the institution and individual teachers use assessment/evaluation outcomes as an indicator for evaluating student performance, achievement of learning objectives and planning? If 'yes' provide details on the process and cite a few examples.**

No, individual teachers do not directly use evaluation outcomes. But mentors use it to assess the student's ability, which is used in informal counselling by them.

**Any other relevant information regarding Teaching-Learning and Evaluation which the college would like to include.**

1. Geology Department: uses method of preparing models out of clay/paper. Geological study tours/field visits are conducted periodically. Posters/charts are presented by students on the current geological information.
2. Botany Department:
  - a. Day's planned activities are written on the notice-board in the Staffroom and also on the student notice-board.
  - b. Discussions are arranged on the Cutting-edge topics newly introduced in the University syllabi. Inputs are taken from topic specialists whenever available.
3. Physics Department:
  - c. Informal student seminars are held during lectures.
  - d. Galileo Club promotes interest in Astronomy
  - e. "Open Book Test" practiced
4. Chemistry Department:
  - f. Student study tours to sugar factories, foundries when relevant topic is taken up in class.
  - g. Enrichment of knowledge on instruments which are not in the regular practicals is provided and demonstrated to students (for ex., Flame photometer, Gas Chromatography).
5. Zoology Department:
  - h. Inputs are taken from topic specialists in case of new topics introduced in the syllabi.
6. Mathematics Department:
  - i. Conducts independent Student seminars
  - j. Group discussions on given topics
7. Department of Languages
  - k. Informal student seminars of short duration during lectures to boost self esteem and confidence.

## Criterion III: Research, Consultancy and Extension

### 3.1 Promotion of Research

#### 3.1.1 Does the institution have recognized research center/s of the affiliating University or any other agency/organization?

The college has applied for permission to Rani Channamma University to start a Research Center. The university, being a newly established, is at present more focused on commencing new PG courses. The college may receive permission for a research center in the near future.

#### 3.1.2 Does the Institution have a research committee to monitor and address the issues of research? If so, what is its composition? Mention a few recommendations made by the committee for implementation and their impact.

**Yes.** There is a Research Committee which monitors and addresses issues concerning research. It comprises of the Principal, IQAC Coordinator, one senior staff member and faculty members from each department.

##### **The objectives of the committee include:**

1. Motivating the faculty to register for Ph.D. programmes, to take up minor and major research projects and monitoring ongoing research projects.
2. Encouraging Departments to conduct seminars/workshops.
3. Conducting workshops on Research Methodology.
4. Promoting collaborating research.
5. Develop research culture among students.

##### **Major recommendations of the committee are:**

1. Submission of research proposals of faculty for Major and Minor research projects to different research agencies
2. Initiating the recognition process for research centers in various departments
3. Strengthening in-house student research
4. Establishing special need-based laboratories in the college
5. Encourage students to attend seminars/workshops and to carry on small projects in the college

##### **Impact:**

1. There has been a noteworthy increase in research activity at all levels (refer 3.1.5) - 02 Major projects completed, 01 ongoing; 03 minor projects completed, 08 ongoing; 41 research papers

published, 85 papers presented. 16 seminars/workshops were conducted by the college.

2. 188 – Total number of seminars/workshops/conferences attended by college faculty.

### 3.1.3 What are the measures taken by the institution to facilitate smooth progress and implementation of research schemes/projects?

The measures taken are:

- Providing autonomy to the principal investigator
- arranging necessary infrastructure/research facilities
- facilitating administrative support to the faculty

### 3.1.4 What are the efforts made by the institution in developing scientific temper and research culture and aptitude among students?

The institution helps in developing scientific temper, research culture and aptitude among students in the following ways

1. Field visits, Study-tours and industrial visits (sugar factories, chemical factories, etc.) are arranged. Students prepare reports on these visits.
2. Students are encouraged to participate in essay competitions conducted by Chemistry forum and similar bodies.
3. Interaction with eminent research scientists and renowned faculty: list of eminent visitors includes **Dr. Rangunath Mashelkar** (former Director of CSIR), **Dr. Arvind Natu** (Scientist, IISER, Pune), **Shri Achyut Godbole** (Chemical Engineer and Computer Expert), **Shri Suresh Prabhu**, (currently Union Railway Minister), and **Shri.Vinod Katti**, (Regional Director, DoAE, Bengaluru).
4. Eminent scholars are invited to speak at the Dr. Y.K. Prabhu Memorial lecture series arranged in September; and at the Founders' Day on 6 August every year.
5. Science Saturdays are observed. Scientific issues of interest are discussed.
6. The college conducts DST's '**INSPIRE**' Internship programme for 10+1 Standard students of Belagavi District. Have conducted 4 consecutive camps, the last one in Oct 2014.

**3.1.5 Give details of the faculty involvement in active research**

The data for the faculty involved in the research is given below:

Sl.	Name of the faculty	Projects completed		Projects Ongoing		Research publications	Papers presented
		Maj	Min	Maj	Min		
1.	Dr. P T Hanamgond	02	--	--	--	12	08
2.	Dr. R G Menon	--	01	--	--		
3.	Dr. N D Hegde	--	01	--	--	02	06
4.	Dr. S M Deshpande	--	--	-	01		01
5.	Dr. S G Adoor	--	--	01	-	02	02
6.	Dr. V A Sungar	--	--	--	01		
7.	Shri. K M Kotraswamy	--	--	--	01		
8.	Shri. A A Halgekar	--	--	--	01		
9.	Shri.S.K.Hukkeri	--	--	--	01		16
10.	Dr. (Mrs) S S Kalgi	--	--		01	08	11
11.	Shri.Y.B.Dalvi	--	--	--	--		04
12.	Shri.P.M.Bhat	--	--	--	01		
13.	Shri. R. T Katamble	--	--	--	01		02
14.	Dr. Tasneem Taj	--	--	--	--	02	
15.	Prof. K. S. Naik	--	01	--	--	--	
16.	Dr. C. B Joshi	--	--	--	--	--	01
17.	Dr. H. B Kolkar	--	--	--	--	06	11
18.	Dr. A. R Kulkarni.	--	--	--	--	06	02
19.	Prof. M.D.Tarlekar	--	--	--	--	01	10
20.	Prof . A.S. Naik	--	--	--	--	--	01
21.	Prof. G. Usharani	--	--	--	--	--	01
22.	Prof.Nerlikar	--	--	--	--	--	01
23.	Prof.L.S.Laxmeshwar	--	--	--	--	01	01
24.	Prof.Sholapurmath	--	--	--	--	01	01
25.	Prof.S.M.Kalai	--	--	--	--	--	04
26.	Prof.B.L.Majukar	--	--	--	--	--	02
	<b>Total</b>	<b>02</b>	<b>03</b>	<b>01</b>	<b>8</b>	<b>41</b>	<b>85</b>

**3.1.6 Give details of workshops/ training programmes/ sensitization programmes conducted/organized by the institution with focus on capacity building in terms of research and imbining research culture among the staff and students.**

Programmes organized by the institution promote research culture:

**Seminars/Workshops:**

1. One-day Workshop on 'Organic farming' at Handignur village, Belagavi Taluk. More than 200 farmers were benefited.
2. IQAC conducted NAAC sponsored Two-day National Workshop on 'Research Funding Agencies and Formulating Research Proposals' on 12 - 13 March 2010. (Dr. P.T. Hanamgond, Dept. of Geology, was the Convener.)
3. Department of Chemistry organized a UGC supported One-day Workshop on 'Recent Advances in Polymer materials.'
4. Workshop on SKY WATCH on 18 December 2012 through Galileo Club of the College.
5. UGC sponsored Two-day National Workshop on "Matlab and its Application" on 17 and 18 January 2014.
6. UGC sponsored National Seminar on "Western Ghats World Heritage, on 30 Sep 2013.
7. One-day Workshop on "Awareness about Use of Water among Students" jointly with Department of Mines and Geology's Ground-water Division, Belagavi, on 9 Feb 2011.
8. Six One-day Workshops on "Khanij" conducted in collaboration with Dept of Rasashastra and Bhaishajya Kalpana, at BMK's Ayurveda Mahavidyalaya, Belagavi, and the Geology Department.
9. One-Day National Workshop on "Sand Mining: Present & Future Scenario with Alternate Source", organized by Mining Engineers' Association of India, Belagavi Chapter and Department of Geology, on 2 Feb 2014.
10. Workshop on "Pharmacognocoy" by the Dept of Botany on 2 and 3 March 2012.
11. National Seminar on "Multi-Utility plants for Afforestation" on 4 and 5 February 2014, by the Department of Botany.

**Training Programmes:**

1. Faculty Development programmes conducted for School teachers of SKE Society (03/11/2009 & 27/12/2012); for college staff (16/10/2013).
2. Training in Library Software (LIBSOFT) on 52/2010.
3. Geology Department conducted training for B.Tech students of Geo-science Engineering, UPES, Dehradun, for the year 2012 (6 students, from 3-7 July 2012); and 2013 (5 students from 27 May to 27 June 2013).

**Sensitization Programmes:**

4. DST Sponsored 'INSPIRE' programme for 4 successive years (including 2014-15) for P.U.C. I year students to create awareness of basic Sciences and research.

5. Science Saturdays – Lectures/discussions on important themes in Science to popularize Science, conducted once in a month.
6. Film show “The Genius of Srinivasa Ramanujan” produced by Vigyan Prasar, New Delhi, in association with IISER, Pune, on 29 April 2013.
7. Training in Soft Skills for students (25 Sep 2011)
8. Mathematics Department conducted UGC-CSIR supported NET/SLET training for aspirants on 20 – 22 Nov 2014, in association with Mathematics Department, Rani Channamma University, Belagavi.

**3.1.7 Provide details of prioritized research areas and the expertise available with the institution.**

Sl. No	Name of the faculty	Department	Research area and Expertise
1	Dr. P T Hanamgond	Geology	Coastal Dynamics-Beaches & Estuaries. Sedimentology & Remote Sensing
2	Dr. R G Menon	Chemistry	Cinnolines and heterocyclic compounds
3	Dr. N D Hegde	Physics	Silica Aerogels
4	Dr. S M Deshpande	Chemistry	Polymer materials and soil testing
5	Dr. S G Adoor	Chemistry	Polymer membranes
6	Dr. V A Sungar	Chemistry	Synthetic organic compounds
7	Prof. K M Kotraswamy	Chemistry	Fluorine Analysis of water
8	Prof.S.K. Hukkeri	Physics	Nano Particles
9.	Prof A A Halgekar	Zoology	Assessment of bat diversity in Bhimghad of Western Ghats
10.	Dr. (Mrs) S S Kalgi	Physics	Metal oxide polymer thin films
13.	Dr. Tasneem Taj	Chemistry	Synthesis of heterocyclic compounds
14.	Prof.P.M. Bhat	Botany	Ethano Botany and Taxonomy
15	Prof.R.T. Katamble	Chemistry	Ion exchange selectivity studies

**3.1.8 Enumerate the efforts of the institution in attracting researchers of eminence to visit the campus and interact with teachers and students?**

- 1.Organizing National Seminars and Workshops
- 2.Conducting DST’s “INSPIRE Internship Camps”
- 3.Arranging lectures by eminent scientists, senior professors, and researchers.
- 4.Orientation programs for students.



**List of the scientists/eminant persons who have visited the college:**

<b>Name</b>	<b>Affiliation</b>
1. Dr. Raghunath A Mashelkar	Former Director General, CSIR, New Delhi
2. Shri. Santosh Hegde	Former Justice & Lokayukt, Bengaluru
3. Dr. A. A. Natu	IISER, Pune
4. Shri. Suresh Prabhu	Union Railway Minister, New Delhi
5. Shri. Achyut Godbole	Computer Expert, Mumbai
6. Dr. T M Amminbhavi	Scientist, K U, Dharwad
7. Dr. V K Naik	Tulip Industries, Goa
8. Dr. G V Kulkarni	Scientist, J N C A S R, Bengaluru
9. Dr. S M Shivaprasad	Scientist, J N C A S R, Bengaluru
10. Dr. Govindraju	Scientist, J N C A S R, Bengaluru
11. Dr. Subi Jacob	Scientist, J N C A S R, Bengaluru
12. Shri. V S Sarode	District Science Center, Belagavi
13. Prof. Arun Pujer	Principal, SLJ College, Gokak
14. Shri. Arun Tikekar	Sr. Journalist, Goa
15. Dr. Narendra Jadhav	former Vice-Chancellor, Pune University, & Member of Planning Commission
16. Dr. N J Pawar	Vice-Chancellor, Shivaji University, Kolhapur.
17. Dr. J. F. Patil	Retd. Professor & Economist, Kolhapur
18. Dr. Hari Narke	Literary Personality, Pune
19. Dr. Madhav Chavan	Educationist, Mumbai
20. Dr. Bhalchandra Nemade	Researcher & Writer, Mumbai
21. Shri Vinod Katti	Regional Director, DoAE, Bengaluru
22. Dr. S. K. Saidapur	former V-C, Karnatak University, Dharwad
23. Dr. M. I. Savdatti	Vice Chancellor, DY Patil University,
24. Dr. B. S. Mulimani	Vice Chancellor, BLDE University, Bijapur.
25. Dr. B. M. Hegde	Vice Chancellor, Manipal University
26. Mr. Nandish Patil	Drilling Engineer, Schlumberger, France
27. Prof. (Mrs.) A. U. Arvindekar	Department of Biochemistry Shivaji University Kolhapur
28. Dr. K. Porsezian	Professor of Physics, Pondicherry University, Pudhucherry
29. Dr. Rajiv Nigam	Chief Scientist, NIO, Goa.
30. Dr. Suvarn Kulkarni	Associate Professor, Department of Chemistry, IIT, Powai, Mumbai
31. Dr. H. Gangadhar Bhat	Professor, Dept of Marine Geology, Mangalore University, Mangalore
32. Shri Santosh Huppargi	District labor officer
33. Dr. B. R. Ananthan	Vice Chancellor RCU
34. Dr. M. V. Badiger	Scientist NCL, Pune
35. Dr. N. Nagambikadevi	IAS officer Bangalore
36. Dinkar M Salunke	Exe Dir. UNESCO Regional Centre for

	BioTechnology, New Delhi
37. Colonel M.K. Belliappa	Commanding Officer
38. K Abhaya Chandra Jain	Fisheries, Youth Services & Sports Minister
39. Shri B.A. Coutinho	I A S Officer, Retd.
40. Shri Sunilkumar Lavate	Literary Person
41. Prof. Bhalachandra Nemade	Jnyaan Peeth Awardee
42. Dr. Krishne Gowda	Joint Director – CCE, Bangalore
43. Dr. Dibbad Shantinath	Registrar RCU Belgavi
44. Aruna Sabane	Poetess & publisher
45. Dr. Priyadarshini Karve	Director Samuchit Enviro Tech
46. Shri Anand Dinkar Karve	President of A.R.T. Institute
47. Dr. Jaamdar S.M.	IAS Officer Retd.
48. Smt.Veena Lokur	Film Producer
49. Baba Bhand	Writer
50. Norma Alvaris	Advocate & Padmashree Awardee
51. Dr. A.H. Chachadi	Director of Kousali Institute of management Studies, Dharwad
52. Nandini Atmasiddha	Writer
53. Madhavi Gharapure	Writer
54. Dr. S.P. Hiremath	V-C of Kuvempu University
55. Shri Umesh R. Pangam	Supdt of Police, Belagavi

**3.1.9 What percentage of the faculty has utilized Sabbatical Leave for research activities? How has the provision contributed to improve the quality of research and imbibe research culture on the campus?**

03 faculty members have utilized sabbatical leave to pursue their Ph D work sanctioned by UGC under FIP during the second cycle of accreditation. All of them have obtained their Ph D degree.

**3.1.10 Provide details of the initiatives taken up by the institution in creating awareness/advocating/transfer of relative findings of research of the institution and elsewhere to students and community.**

- 1 Organized One-day workshop on ‘Organic Farming’ at Handignur village, Belagavi Taluka. More than 200 farmers were benefited.
- 2 Soil testing is carried out in the chemistry department. Demonstration is shown to the student and various parameters are discussed.
- 3 In the seminars/workshops conducted by the college, faculty members/students are motivated to participate/present their papers/ideas. This way a platform was made available to staff and students.
- 4 Dr.P.T.Hanamgond has 06 collaborative MD dissertations for BMK

Ayurveda Mahavidyalaya, Belagavi; and he has been included in their Research Committee.

- 5 College encourages the students to undertake small projects like on bird-watching, soil-testing, adulteration, saving energy, etc.

### 3.2 Resource Mobilization for Research

#### 3.2.1 What percentage of the total budget is earmarked for research? Give details of major heads of expenditure, financial allocation and actual utilization for last four years.

No separate budget is earmarked for research. The college provides all the support required for research activity by faculty whenever required.

Following research grants were received from Funding Agencies (UGC & Other Agencies)

	2010-11	2011-12	2012-13	2013-14
UGC	18042	16757	312000	Nil
DST	1600000	--	300000	200000

#### 3.2.2 What are the financial provisions made in the College budget for supporting student research projects?

The college promotes student participation in research activities by providing seed money, apparatus, instruments, guidance, etc. College also funds the students for their participation in various research oriented workshops and seminars and projects.

#### 3.2.3 What are the financial provisions made available to support student research projects by students?

No specific budget is made. However, the college bears the expenditure entailed in student research activities.

#### 3.2.4 How does the various departments/units/staff of the institute interact by undertaking inter-disciplinary research? Cite examples of successful endeavors and challenges faced in organizing interdisciplinary research.

There is no inter-disciplinary research work going on in the college.

#### 3.2.5 How does the institution ensure optimal use of various equipment and research facilities of the institution by its staff and students?

Optimal use of equipment and research facilities is ensured by making them available to both students and faculty as needed. They are used by

students for their regular practical work and project work. The faculty uses them for Major and minor research projects. In their regular coursework PG students use colorimeter, pH meter, conductometer, potentiometer, gas chromatograph, flame photometer.

**3.2.6. Has the institution received any special grants or finances from the industry or any other beneficiary agency for developing research facility?**

No special grants have been received from any organization.

**3.2.7 Enumerate the support provided to the faculty in securing research funds from various funding agencies, industry and other organizations. Provide details of ongoing and completed projects and grants received during the last four years.**

The support provided to the faculty in securing research funds from various funding agencies is as follows.

Sl. No.	UGC/Non UGC Grant : Title with Scheme	Purpose	Amt. sanctioned	Amount Released
<b>Research Project Grants</b>				
1.	Dr.P.T.Hanamgond : UGC Major Project, (Completed)	“Estuarine Dynamics of Kalavli, Kolamb and Karli Rivers, With Special Reference to their Impact on Malvan Coast, Sindhudurg District, Maharashtra, India”, UGC Major Project, F.No.33-42/2007 (SR). May 2012, 268p	701300	637800
2.	Dr.P.T.Hanamgond: MoES Major Project (Completed)	“Dynamics of Malvan coast, Maharashtra, west coast, India”, Ministry of Earth Sciences, Govt. of India, (MoES) Major Project, MoES/11-MRDF/1/17/P/07-PCIII. June 2012, 358 p.	1500000	1387072
3.	Dr.S.G.Adoor DST Major Project (Ongoing)	Designing of novel modified polymer membranes for Pervaporation separation of water/organic mixtures	2430000	1917045

Sl. No.	UGC/Non UGC Grant : Title with Scheme	Purpose	Amt. sanctioned	Amount Released
4.	Dr.N.D.Hegde: UGC Minor Research Project (Completed)	Silica Acrogels for clean up storage & safe disposal of Oil & other Organic Liquids comparative study	40000	44085
5.	Dr. K. S. Naik: UGC Minor Research Project (Completed)	Higher Dimensional Minimal Surfaces (Final Installment)	50000	11500
6.	Dr.G Menon: UGC Minor Research Project (Completed)	Synthesis of Nitrogen & Sulphur Heterocycles of Pharmacological interest	55000	16714
7.	Dr.V.A. Sungar: UGC Minor Research Project (Ongoing)	Minor Research Project	150000	110000
8.	Dr. S.M. Deshpande: UGC Minor Research Project (Ongoing)	Study on Reinforcement of Plastics and Polymer by Using Low Cost Waste Materials	80000	54500
9.	Shri. K. M. Kotraswamy UGC Minor Research Project (Completed)	Defluoridation of Drinking Water using Alternative Low Cost Adsorbents	100000	75000
10.	MRP Shri. A. A. Halgekar: UGC Minor Research Project (Ongoing)	Assessment of Bat (Order-Chiroptera) Diversity in Bhimgad Wildlife Sanctuary and Surrounding Protected Area	87500	57500
11.	MRP Dr. S.S.Kalagi: UGC Minor Research Project (Ongoing)	Minor Research Project	200000	136000
<b>UGC Contingency grants for FIP Research</b>				
12.	Dr.A.R.Kulkarni	UGC Contingency for FIP	NA	45000
13.	Dr.S.S. Kalagi	UGC Contingency for FIP	NA	15000
<b>Research Grants for Writing Monographs</b>				
14.	Prof.M.D. Tarlekar	1) "Venkatesh Madgulkar Jeevan Ani Sahitya" Central Sahitya Academy	12000	12000
		2) Ramdhari Singh "Dinkar" Translation	9000	9000
		<b>Total</b>	<b>54,14,800</b>	<b>45,28,216</b>
15.	Prof. R T Katamble (UGC Minor Research Project)	Anion Exchange Selectivity Studies in Aqueous and Aqueous Organic mix media	received Approval	

16.	Prof.S.K.Hukkeri (UGC Minor Research Project)	Structural, Electrical, Magnetic Properties of Al <sup>3+</sup> and Cd <sup>2+</sup> doped nanophase Nickel Ferrites	received Approval
17.	Prof.P.M.Bhat (UGC Minor Research Project)	Ethanobotany studies in kangod village of Sirsi Taluk	received Approval

### 3.3 Research Facilities

#### 3.3.1 What are the research facilities available to the students and research scholars within the campus?

The college allows students/researchers the use of laboratory facilities, equipments, books and Internet facilities, technical support, guidance, etc. available in the campus. Following are some of the important facilities.

##### **Department of Chemistry:**

1. Gas Chromatograph.
2. Facilities for soil and water analysis.
3. Flame photometer.

##### **Department of Geology:**

1. Geophysical Resistivity meter
2. ERDAS Imagine 9.2 Remote Sensing Software
3. Has Sieve analysis equipment
4. Petrological Microscopes with camera.

##### **Department of Physics:**

1. Telescope for sky watch.
2. GM Counter

##### **Department of Botany:**

1. Laminar Air Flow
2. Autoclave
3. Microscope with image processing system
4. Botanical garden with medicinal plants
5. Greenhouse with insectivorous plants and rare orchids.

##### **Department of Zoology:**

1. High speed homogenizer
2. Incubator
3. Laminar Air Flow
4. Binocular Research Microscope

##### **Department of Languages:**

1. Language Lab

##### **Department of Computer Science:**

1. Computer Lab

**3.3.2 What are the institutional strategies for planning, upgrading and creating infrastructural facilities to meet the needs of researchers especially in the new and emerging areas of research?**

Infrastructural facilities to meet the needs of the researchers in the new and emerging areas of research are developed through:

1. Use development grants to upgrade existing infrastructure.
2. Utilization of special grants and funds for procuring speciality equipment.
3. Preparation of research proposals with proper provision for Infrastructural needs.

**3.3.3 Has the institution received any special grants or finances from the industry or other beneficiary agency for developing research facilities? If “yes”, what are the instruments/ facilities created during the last four years?**

**No.** The institution has not received any special grants or finances from the industry or beneficiary agency for developing research facility.

**3.3.4 What are the research facilities made available to the students and research scholars outside the campus / other research laboratories?**

PG students work on their projects in the Departmental laboratories as well as outside facilities like renowned institutes like IISER–Pune, ICMR–Belagavi, Karnataka University, Dharwad, NIH Belagavi, Dept of Marine Sciences, Goa University, etc., where they are able to use speciality instruments like:

1. Infrared spectrophotometer
2. Nuclear magnetic resonance spectra, etc.
3. Atomic Absorption Spectrophotometer (AAS).
4. Water and soil analysis facilities.

**3.3.5 Provide details on the library/ information resource centre or any other facilities available specifically for the researchers?**

1. Researchers have the use of the well-stocked library (with a partial Open-Access system.) Six terminals with software from Environ software private limited are installed for collection searching. Library holdings and, member details can be accessed via this portal.
2. Apart from the main library, additional Departmental library facility with higher reference material e-Books, INFLIBNET, Computers and Internet facilities are available. Scientific journals are made available in the departmental libraries.

### 3.3.6 What is the collaborative Research facilities developed / created by the research institutes in the college?

All the necessary research facilities on the campus are developed and created by the college itself and other research institutes role is restricted to academic expertise.

Research facilities are created through research grants sanctioned to individual faculty by funding agencies such as UGC, DST, MoES.

Apart from this the MoU's with BMK Ayurveda Mahavidyalaya, Belagavi; and Gogate-Joglekar College, Ratnagiri have provided the opportunity to have collaborative research and use of available equipments.

## 3.4 Research Publications and Awards

### 3.4.1 Highlight the major research achievements of the staff and students in term of

- **Patents obtained and filled ( process and products) : NIL**
- **Original research contributing to product improvement:**

#### 1. Chemistry department:

**Dr.S.G.Adoor:** Work on Reinforcement of polymers and rubbers by using low cost waste materials was carried out. A major work on designing of novel polymeric membranes for pervaporation separation of Water/ organic mixtures was studied. Synthesis of nitrogen and Sulphur heterocycles for pharmacological interest was carried out.

#### 2. Geology Department:

**Dr.P.T.Hanamgond:** Geochemistry of Heavy mineral of beach sediments from Arge, Malvan and Vengurla beaches, were studied. Collaborative study on Comparative pharmaceutical study of Naga Bhasma W.S.R to Grahya Lakshans and lead percentage; and study on identification of mineral khatika (Chalk) with the aid of geological principles were carried out.

#### 3. Physics Department:

**Dr.N.D.Hegde:** A major work on 'Synthesis and Characterization of Hydrophobic Silica Aerogels using HDTMS as a co-precursor' was carried out. In addition 'Sol Gel processing of TEOS based hydrophobic silica aero-gels using trimethylethoxysilane as a co-precursor'; 'Synthesis of Silica Aerogel Materials in Prescribed



Shapes and Sizes'; 'Energy Efficient Superinsulating Silica Aerogels'; 'Silica Aerogels for oil spill and other organic liquids- A comparative study'; 'Nanomaterials: Applications and Properties' and Hydrophobic Silica Aerogels for Anti-rust and Anticorrosive Coatings' were the major works carried out

**Dr. S. S. Kalgi (Physics):** (3) "Chemical synthesis of highly stable PVA/PANI thin films for supercapacitor applications"

#### **4. Zoology Department:**

Prof. A.A.Halgekar: A study on the Assessment of Bat (endangered species) Diversity in the Western Ghats was carried out.

#### **5. Mathematics Department:**

Dr.K.S.Naik: Study of Higher dimensional minimal surfaces.

#### **3.4.2 Does the Institute publish or partner in publication of research journal(s)? If 'yes', indicate the composition of the editorial board, publication policies and whether such publication is listed in any international database?**

No

#### **3.4.3 Details of publications by faculty and students in last four years**

**Total nos of papers published: 32 (National=17; International=15)**  
**Details of publications enclosed separately as Enclosure.No.6**

#### **3.4.4 Provide details of**

##### **\*Research awards received by the faculty: 01**

**Dr. P T Hanamgond** received "Nation Builder Award 2014" presented by Rotary India Literary Mission on 29 Sept 2014; Awarded "Best Professor Award 2014" by Jain International Trade Organisation, on 03 January 2015 at Belagavi.

##### **\* Recognition received by the faculty from reputed professional bodies and agencies, nationally and internationally**

##### **Dr. P T Hanamgond**

1. Editorial Board Member & Member, Journal of Coastal Research, USA.
2. Editorial Board Member, Mining Engineers' Journal, Hyderabad.
3. Research Guideship of Tilak Maharashtra Vidyapeeth, Pune
4. Research Guideship of Visveshwariah Technical University, Belagavi

**Dr. S.G. Adoor:**

1. Appreciation certificate from American Chemical Society for reviewing the research papers in the year 2011.
2. Appreciation certificate from Indian Institute for Bright Careers, Bengaluru (For Placement work).
3. Member, Editorial Board, 'Indian Journal of Advances in Chemical Science' (Section Editor – Physical and Polymer Chemistry sections)

**Dr. Rashmi Shenoy:**

1. Member of the National Magnetic Resonance Society, NMR Research Institute, IISc, Bengaluru, India.

**\* Incentives given to faculty for receiving state, national and international recognitions for research contributions**

SKE Society felicitates faculty for their achievements at state, national and international level every year on 26 January and 15 August. News reports are released to newspapers highlighting the achievements. A report is also included in the college miscellany "Pratima."

**3.5.1 Give details of the systems and strategies for establishing institute-industry interface?**

1. Student Industrial visits allow interaction with industrialists. Students can observe the working of the factories. Study tours are arranged to nearby sugar factories every year. Industries such as Hindalco and Sugar factories, Chemical factories and mines provide job openings to our students. Our students get job offers through the Placement Cell in companies like TCS, Infosys, IBM, etc.
2. In addition, industries like Indian Oil, Hindustan petroleum, Hindalco offer financial assistance for conducting Workshops and Seminars in the college.

**3.5.2 What is the stated policy of the institution to promote consultancy? How is the available expertise advocated and publicized?**

The college encourages its faculty to use their expertise for providing consultancy services. Publicity is given at meetings of the Alumni, Parents, Press, as well as through the college website, and informal contacts with industries.

Dr. P. T. Hanamgond, Dept of Geology, helped in setting up of the Geography Department of Petrology and Mineralogy lab of Gogte-Joglekar Science College, Ratnagiri, Maharashtra.

### 3.5.3 How does the institution encourage the staff to utilize their expertise and available facilities for consultancy services?

The college encourages faculty to utilise their expertise and provide consultancy services. In this regard it allows faculty to use the laboratory resources/instrumentation facilities. Administrative support is also provided.

### 3.5.4 List the broad areas and major consultancy services provided by the institution and the revenue generated during the last four years.

- 1) **Prof B L Majukar:** provides professional/paid consultancy to many industries and foundries in installing and maintaining Surface Treatment Plants. Effluent Treatment Plants and handling of hazardous chemicals.
- 2) **Dr P.T.Hanamgond:** honorary services rendered. Laboratory setup for Geography Department in Gogte-Joglekar College, Ratnagiri, (Maharashtra). Also provides informal consultancy in identification and confirmation of ore minerals used in preparation of medicines to MD/Ph.D students of Ayurveda.
- 2) **Prof B.M. Topinkatti:** honorary services rendered. Financial accounting software for financial societies
- 3) **Prof. S Y Prabhu:** honorary services rendered. Water Harvesting and Environmental protection (retired on 31-10-2013).
- 4) **Dr. S M Deshpande:** honorary services rendered in Soil testing to optimise use of fertilizer; Importance of organic farming.
- 5) **Mrs. Namita Samant:** honorary services in setting up of school library of Herwadkar School, Tilakwadi, Belagavi.

### 3.5.5 What is the policy of the institution in sharing the income generated through consultancy and its use for institutional development?

The college has an Income-sharing arrangement: 40 percent of the revenue generated is given to the faculty and 60 percent is retained by the college.

## 3.6 Extension Activities and Institutional Social Responsibility (ISR)

### 3.6.1 How does the institution promote institution-neighborhood-community network and student engagement, contributing to good citizenship, service orientation and holistic development of students?

The college has always aimed at a holistic development of students with its skills and community-oriented activities.

**Co-curricular and extracurricular activities help students to:**

- 1) Develop among students a sense of belonging to the community.
- 2) Utilize their knowledge in finding solutions to community problems.
- 3) Acquire secular and democratic attitude towards people/community.
- 4) Develop leadership qualities & skills needed to deal with emergencies and natural disasters.

The institute has established its neighbourhood-community network through programs such as school development, Teacher training workshops, fostering awareness through exhibitions. Its students stage street-plays and skits on topics like conservation of environment, gender equality, public health and hygiene, HIV-AIDS awareness, and disaster management. Blood donation camps are held regularly.

Through NSS and NCC, students learn values like community service and patriotism. Youth festivals organized at inter-collegiate and inter-university levels develop the sense of culture values and traditions. Science exhibitions are regularly held to promote scientific temperament. Sports meets are arranged in the college premises at district, university and state levels to encourage the students to participate in sports which highlight physical fitness.

Following are some of the important activities taken up by Youth Red Cross Society.

1. The college Youth Red Cross conducted medical camps at Hemadaga village, Khanapur (7/3/2010); at Kapoli village, Khanapur (2011); and at Manturga, Khanapur (17/2/2013).
2. Promotion of organic farming at Ningenhatti (2012) and Handignur (3/3/2014).
3. Women Empowerment at Kadoli ( Devgiri) of Belgaum.
4. College students and staff participated in rallies such as – 150<sup>th</sup> Birth Anniversary, Save Girl Child;
5. College students and staff regularly pay visit to Shantai Vrudhashtram (Old Age Home).

**3.6.2 What is the Institutional mechanism to track students' involvement in various social movements/activities which promote citizenship roles?**

Heads of the department and members of the staff recognize the students with various talents and are put into various activities as per their expertise. A platform is provided to exhibit their talents. Expertise from alumni is also utilised for conduct of various activities and guidance of students.

**3.6.3 How does the institution solicit stakeholder perception on the overall performance and quality of the institution?**

The perception is solicited at meetings of management, parent, staff, alumni meets, principal's address to students, and annual magazine "PRATIMA". College website also provides details of college vision and mission statements, course details, facilities provided, financial support extended. It solicits comments by email.

**3.6.4 How does the institution plan and organize its extension and outreach programmes? Providing the budgetary details for last four years, list the major extension and outreach programme and their impact on the overall development of students.**

All activities of academic and extracurricular departments are supported by the college. Hence expenditure on various events is borne by the college. The amount received for the activities from the University, NCC, NSS, Red Cross, Alumni Association, etc., are made available by the college for the conduct of respective activity. Following is the budgetary details.

Sl No	Year	Alumni Association	Youth Red Cross
1.	2010-11	25,000	25,000
2.	2011-12	100,000	25,000
3.	2012-13	100,000	1,20,000
4.	2013-14	50,000	75,000

**3.6.5 How does the institution promote the participation of students and faculty in extension activities including participation in NSS, NCC, YRC and other National/International agencies?**

The institute treats Co-Curricular like NCC, NSS and extension activities at par and extends support in their planning and execution. The faculty in-charge of the activities is provided with infrastructure, duty leave, honorarium and other facilities. Assistance of government machinery at various levels is sought as required. Students and faculty are encouraged to take part in these activities for their personal development and social service. Additional lectures and additional test are held for the sake of such students who miss lectures/practical as a result. Such activities are publicized to encourage participation.

**3.6.6 Give details on social surveys, research or extension work undertaken by the college to ensure social justice and empower students from under-privileged and vulnerable sections of society?**

The college helps students from under-privileged and vulnerable sections of society through Scholarships and Endowment prizes as well as NCC, NSS and SC/ST Cell.

Book loan facility for SC/ST and Economically disadvantaged students.

Students of SC/ST/OBC & Minorities are given admission for free in Coaching Academy for civil services though it is self financed.

**3.6.7 Reflecting on objectives and expected outcomes of the extension activities organized by the institution, comment on how they complement students' academic learning experience and specify the values and skills inculcated.**

- 1 The extension and outreach activities of the college are crucial to the multi-dimensional personality development of students. They provide field level exposure to students and provide opportunities to apply knowledge and experience to their class room learning and vice versa. Students acquire scientific knowledge by participating in activities on issues like health, hygiene and environment and learn about basic socio-cultural facts.
- 2 Values like patriotism, gender equalities, self reliance, dignity of labour, discipline, etc. are inculcated through the extension activities.
- 3 Rallies by students and faculty members on events like 150 birth anniversary of Swami Vivekananda, and issues like Anti-Corruption, Traffic rules, Save Girl Child, Stree Shakti, Ozone Rally, etc., are exemplary practices of values inculcation among students.

**3.6.8 How does the institution ensure the involvement of the community in its reach out activities and contribute to the community development? Detail on the initiatives of the institution that encourage community participation in its activities?**

The institution initiatives to ensure community participation in the activities are:

1. Involving village Panchayat in NSS activities for developmental work in the adopted village.
2. For the benefit of the public adequate publicity is given to in print and electronic media about talks and cultural events being held.
3. Involving Alumni Association to reach support to student beneficiaries.
4. Prof.S.Y.Prabhu, Zoology Department; Prof.A.K.Mense & Dr.P.T.Hanamgond (Geology Department), prepared a document of work done by Shri. Shivaji Kagnikar, who has worked for watershed development at Kattanbhavi and Ningenatti villages. The report was submitted to Father Joe Chanakala, NGO Jan Jagran.

**3.6.9 Give details on the constructive relationships forged with other institutions of the locality for working on various outreach and extension activities.**

The college has developed cordial and constructive relationships with a number of institutes in this regard. The major ones include “The Tarun Bharat Trust” and “Lokmanya Charitable Trust”, Belagavi, for various activities undertaken inside and outside college. Many lecture series and cultural programs are supported by these trusts. “Ramnathkar Memorial Trust” encourages our students with many scholarships. Coaching Academy provides coaching to students of other institutes as well.

1. A MoU with Mahadei Research Centre has benefited the students and staff of Botany and Zoology for Western Ghat Biodiversity programmes.
2. Some staff members are active members of “Paryavarni” an NGO which is fighting for protection of Western Ghats ecology.
3. The college library provided ‘Science in Samskrita’ exhibition material (posters & charts) to Shantiniketan Public School, Khanapur, to propagate interest in Sciences (16-21 Dec 2013).
4. College library issued books for reference to Government First Grade College, Khanapur (12 Feb to 10 March 2014).

### **3.6.10 Give details of awards received by the institution for extension activities and/contributions to the social/community development during the last four years.**

The College has not received any award. However, Prof. A.K.Mense (Principal) has received “Mahatma Gandhi Sadhbhavana Award” from the Mahatma Gandhi Smarak Samithi Panchgani, on 30 Jan 2013, for his life time work among the poor, needy and down trodden people in Belgaum; also for work done by him in maintaining communal harmony and promoting national integration.

## **3.7 Collaboration:**

### **3.7.1 How does the institution collaborate and interact with research laboratories, institutes and industry for research activities. Cite examples and benefits accrued of the initiatives - collaborative research, staff exchange, sharing facilities and equipment, research scholarships etc.**

The following list provides details of collaborations:

1. Dr. P. T. Hanamgond (Geology) has 04 collaborations- with Department of Marine Sciences, Goa University, Goa; Indian Institute of Geomagnetism, Mumbai; BMK Ayurveda Mahavidyalaya, Belagavi; Geography Department, Gogate-Jogalekar College, Ratnagiri. The project staff (UGC & MoES projects) of Geology has been to Indian Institute of Geomagnetism, Mumbai; Department of Marine Sciences, Goa University, Goa;

- and National Institute of Hydrology, Goa, for mineral-magnetic study, soil and water analysis.
2. Eminent scientists from various reputed institutes like IISER Pune, IIT Mumbai, Pondichery University, Shivaji University, Kolhapur; NIO, Goa, IISC Bengaluru, NCL- Pune, have delivered lectures.
  3. Many lectures/events are arranged in collaboration with Lokmanya Trust. These events are open for the public too.
  4. Many instruments required for Major/Minor research projects are made available by institutions/industries nearby.

**Major Research Project of Geology Department:**

1. Offshore sampling instruments from Department of Marine Sciences, Goa University (MoES & UGC Major Project), were used.
2. The offshore and estuarine water samples were analysed in Department of Marine Sciences, Goa University; and National Institute of Hydrology, Belagavi.
3. The offshore and estuarine sediments were analysed at Indian Institute of Geomagnetism, Mumbai.

**3.7.2 Provide details on the MoUs/collaborative arrangements with institutions of national importance/other universities/ industries etc. and how they have contributed to the development of the institution.**

1. A polymer industry, Dadsons, located in Belagavi helps faculty in instrumental analysis for carrying out research projects.
2. As an outcome of MoU with BMK Ayurveda Mahavidyalaya, Belagavi, libraries of both colleges have worked together on Inter-Library loan facility to help students and faculty of both colleges. Also, the Geology Department undertakes collaborative research for MD dissertations, publications and conducting of Khanij Bridge courses.

**3.7.3 Give details (if any) on the industry-institution-community interactions that have contributed to the establishment/creation/up-gradation of academic facilities, student and staff support, infrastructure facilities of the institution viz. laboratories / library/ new technology /placement services etc.**

Sl.no	Industry	Type of interaction	Benefit
1.	Dadsons	Student & staff (MRP) Projects	Industrial Information, Student project support



**3.7.4 Highlight the names of eminent scientists/participants, who contributed to the events, provide details of national and international conferences organized by the college during the last four years.**

Following eminent personalities who contributed to the events conducted in college:

- 1. Dr. Y K Prabhu memorial Lecture Series (19 Sept 2009)**
  - a. Shri Narendra Jadhav, Member Planning Commission of India (2010)
  - b. Shri Achyut Godbole, CEO in IT sector and Senior Writer (2011)
  - c. Shri. Arun Tikekar, Senior Journalist, Mumbai (2012)
  - d. Shri Suresh Prabhu, current Union Railway Minister, Government of India, (2013).
  - e. Dr. Raghunath A Mashelkar, Former Director General, CSIR, New Delhi (2013)
  - f. Prof. J. F. Patil, Retd. Professor & Head, Dept of Economics, Shivaji University, Kolhapur (2014).
  
- 2. Founders Day Celebrations**
  - a. Dr.B.M.Hegde, former Vice Chancellor, Manipal University (2010)
  - b. Prof.Vijay Menon, Great Lake Institute of Management, Chennai (2011)
  - c. Shri. Arun Tikekar, Senior Journalist, Mumbai (2012)
  - d. Claude Alvaris, Environmentalist, The Goa Foundation, Goa (2013)
  - e. Dr.M.I.Savdatti, former V-C, Mangalore University (2014).
  
- 3. DST Sponsored INSPIRE Internship Camps Chief Guests**
  - a) Dr.M.I.Savdatti, former V-C, Mangalore University (2011)
  - b) Dr.B.M.Hegde, former Vice Chancellor, Manipal University (2012)
  - c) Dr.N.J.Pawar, Vice Chancellor, Shivaji University, Kolhapur (2013)
  - d) Shri.Vinod J. Katti, Regional Director, Dept of Atomic Energy, Bengaluru (2014).

4. **International Year of Chemistry was celebrated (10 Sep 2011)**
  - a. Dr. V.K. Naik, CMD, Tulip Industries,
  - b. Dr. M.V. Badiger, Scientist NCL, Pune
  - c. Dr. G.V. Kulkarni, Scientists of JNCASR, Bengaluru
  - d. Dr. S.M. Shivaprasad, Scientists of JNCASR, Bengaluru
  - e. Dr. Govindraju and Scientists of JNCASR, Bengaluru
  - f. Dr. Subi Jacob George, Scientists of JNCASR, Bengaluru
5. **A State-level Seminar** was conducted on the topic ‘Recent advances in polymer materials’. Dr. T.M. Aminabhavi, Scientist and retired Professor, Karnataka University, Dharwad, and Dr. A. Venkataraman, Scientist & Professor, Gulbarga University, Gulbarga
6. Two Day UGC Sponsored **National Seminar** “Linking of Indian Rivers: Boon or Bane”, at GSS College, Belagavi, 13-14 Sept 2013.
  - a. Shri.Suresh Prabhu, Union Railway Minister.
  - b. Er.S.B.Coimattur, Dharwad
7. **National Seminar** entitled “Western Ghats: A World Heritage”, sponsored by UGC, New Delhi.  
Lt.Gen. Sirdeshpande, Retd., Dharwad.  
Prof.Gaikwad, Sangli
8. **National Seminar** on” Management of utilization and disposal of urban solid waste” 7 and 8 Aug 2009.
9. **National Workshop** “Sand Mining Present and Future Scenario with Alternate Source” on 2 Feb 2014.
  - a. Dr.M.Narayan, Dharwad.
  - b. Dr.Meda Venkataiah, EDM MSPL, Hospet
  - c. Shri.D.A.Hiremath, Retd. Director DMG, Maharashtra
  - d. Shri. M.P.Itnal, Sr.Geologist, Mangalore
  - e. Shri.S.R.Hegde, Sr.Geologist Retd.
10. **National Seminar** on” Multi-Utility plants for Afforestation” 4 and 5 February 2014.
  - a. Dr.S.B.Dandin, Vice Chancellor, University of Horticulture, Bagalkot.
  - b. Dr.Madhukar Bachulkar, Principal, VSY Arts & Science College, Kolhapur.
11. **National Seminar** on “Partial Differential Equations and its applications” 19-20 Aug 2011.
  - a. Prof.A.K.Nandkumaran, IISc Bengaluru.
  - b. Prof.P.G.Siddeshwar, Bangalore University, Bengaluru

- c. Prof.N.Shivakumar, RV Engg., College, Bengaluru.
  - d. Prof.S.S.Bhusnurmath, Dharwad.
12. UGC sponsored Two-Day **National Workshop** on ‘Matlab and its Applications’.
    - a. Prof.Uday Wali, KLE Engg. College, Belagavi.
    - b. Mr.Madhu Shrupali, Tata Technology, Pune.
    - c. Dr.G.Shivanand, RCU Belagavi.
  13. Invited Speakers arranged during the assessment period.
    - a. Dr.Rajaram Gurav, Shivaji University, Kolhapur
    - b. Dr.Priyadarshini Karve, ARTI, Pune.

**3.7.5 How many of the linkages/collaborations have actually resulted in formal MoUs and agreements? List out the activities and beneficiaries and cite examples of the established linkages that enhanced and/or facilitated –**

**04.**

1. MoU has been signed with BMK Ayurveda Mahavidyalaya, Belagavi. Dr.P.T.Hanamond is External Member of Research Committee of BMK Ayurveda Mahavidyalaya. Under this MoU a Bridge Course “**Khanij**” is being conducted every year (7<sup>th</sup> Course was conducted on 20 Jan 2015). Since last two years this course has been recognized as a State Level Bridge Course.
2. MoU has been signed with Gogate-Joglekar College, Ratnagiri. As a part of collaboration, 6 PG students with teachers of Botany from Gogate-Joglekar College visited GSS College. Our college Botany Department organised an exhibition on Medicinal Plants for the benefit of the visiting students and faculty. GSS College arranged a field study visit of the visitors to Jamboti Forest.
3. MoU with NSDC, New Delhi, (through ANTS, Hyderabad). Under this MoU the college conducted two courses of 40 days each in Retail and Health Care. 86 students enrolled for these courses during 2013-14. Efforts are on to continue the courses for 2014-15.
4. A MoU with Mahadei Research Centre has been signed, which has benefited the students and staff of Biology, and a National Seminar on Multi Utility Plants for Afforestation.
5. GSS College took efforts in making Rani Channamma University, Belagavi, enter into an MoU for PG admissions with Karnataka University, Dharwad. Our then Principal S.Y.Prabhu is a signatory to it as witness.

**3.7.6 Detail on the systemic efforts of the institution in planning, establishing and implementing the initiatives of the linkages/collaborations.**

- a) The Principal and Management supervise the collaborations of the college with different industries and institutions. The collaborations are done in order to provide a platform for getting the required industrial training for students. Much informal collaboration is done with the schools in the neighborhood for the developmental work.
- b) Khanija Bridge course is a continued programme through MoU between BMK Ayurveda Mahavidyalaya and our college.
- c) Medicinal plants exhibition and field visit to Mahadei Research Centre conducted by department of Botany with department of Botany of Gogte-Joglekar College, Ratnagiri which is an outcome of recent MoU.

## Criterion IV: Infrastructure and Learning Resources

### 4.1 Physical Facilities

#### 4.1.1 What is the policy of the Institution for creation and Enhancement of infrastructure that facilitate effective teaching and learning?

Policy for creation and enhancement of infrastructure to facilitate effective teaching and learning activities is chalked out by the Governing Body in consultation with the Principal, the Finance Committee, Building Committee and Research Committee of the College and GSS College Managing Committee. The College develops necessary infrastructure on a continuous basis based on current requirements and future perceptions. Enhancement of infrastructure is supervised by the Building Committee.

#### 4.1.2 Detail the facilities available for

##### a) Curricular and co-curricular activities, classrooms, technology enabled learning spaces, seminar halls, tutorial spaces, laboratories, botanical garden, Animal house, specialized facilities and equipment for teaching, learning and research etc.

1. 37 spacious, well-ventilated and illuminated Lecture halls.
2. **24 well-equipped labs:** 22 for UG (4 Physics, 5 Chemistry, 4 Botany, 4 Zoology, 2 Geology) and 01 Language Lab., 01 Matlab, 01 Computer Lab.  
02 (M.Sc. Organic Chemistry).
3. Computer lab with 32 systems and LCD facility in ComputerScience Department.
4. Library (widely admired as one of the best in north Karnataka)
5. Geology Research Lab (developed through the support by DST, MoES & UGC research project grants)
6. Polymer Research Lab (developed through the support by DST research project grant).
7. Botanical Garden (with rare & endangered species and medicinal plants) and Nakshatra Garden
8. 07 Departmental Libraries
9. 03 Departmental Museums
10. 02 Audio-Visual halls interfaced with LCD facility seating 200 persons.
11. 04 Departments have SmartClass facility interfaced with LCD projectors.
12. Reprography facility in the campus.

**b) Extra-curricular activities - sports, outdoor and indoor games, gymnasium, auditorium, NSS, NCC, cultural activities, Public speaking, communication skills development, yoga, health and hygiene, etc.**

1. **Sports, outdoor and indoor games:** Large (8.14 acre) Play Ground marked for Hockey/Football, Cricket, Kho-kho and Athletics, Handball, Basketball Court. Pavilion (with indoor-games facility), with an office with computer facility.
2. **Gymnasium:** Multi Gym facility
3. **Auditoriums: 03** - K M Giri Gymkhana Hall, Sevantilal Shah Sabhagraha and Herekar Hall
4. **NSS: 01** Unit with 100 volunteers, with an office and equipment
5. **NCC: 02** Army Wing Units (Men and Women); **01** Air-Wing (men and women), with an office.
6. **Cultural activities: 02** facilities: Open Air Theatre, K M Giri Hall
7. **Public speaking: 03** halls: K M Giri Gymkhana Hall, Sevantilal Shah Sabhagraha and Open Air Theatre
8. **Communication skills development:** Language Lab.
9. **Yoga: 01** Yoga and Meditation Hall
10. **Health and hygiene:** Health Center 01.
11. **02 Ladies Room** (for girl students).
12. **Hostel Facilities:** 02 Ladies Hostel (for 106 students); 01 Boys Hostel (for 50 students)
13. **Placement Cell.**
14. **Hobby Center.**
15. **Coaching Academy** (with lecture hall with LCD facility, library and study room.)
16. **Counseling Cell with Psychologist.**
17. **Career Guidance Cell.**
18. **Student Welfare Office & Grievance Redressal Cell.**
19. **Electrical Power Generators 06**
20. Computers (apart from Computer Lab) : 43
21. Laptops for departments, IQAC, Inspire etc.: 11
22. **Guest house:** 01
23. **Staff Quarters:** 13
24. 'Galileo Club' of Physics Department has telescope and other equipment needed for sky watching.
25. Chemical Society (Chem-Forum).
26. Geo-forum.
27. Nature Club.

**4.1.3 How does the institution plan and ensure that the available infrastructure is in line with its academic growth and is optimally utilized? Give specific examples of the facilities developed/augmented and the amount spent during the last four years (Enclose the Master Plan of the Institution/ campus and indicate the existing physical infrastructure and the future planned expansions if any).**

1. Development of Infrastructure is planned well in advance and implemented at proper pace appropriate to proposed academic growth of the institution.
2. New class rooms and laboratories have been added to accommodate newly introduced Post Graduate Programme in Organic Chemistry; and for the forth coming M.Sc. in Botany.
3. A Girls' Hostel (56 students) has been added to accommodate increased demand.
4. Addition of computers and laptops with necessary licensed software and Internet facility (under BSNL nme scheme) is added to fulfill the increasing need of the students and staff.
5. The Campus has been Wi-Fi enabled.
6. INFLIBNET has been subscribed.
7. Many sophisticated instruments have been added to support student practical requirements and growing research activity.

**Optimal use of Infrastructure -**

Optimum use of Classrooms, laboratories, library and sports complex is ensured by shared- use with GSS Pre University College. Apart from this, the sister colleges (RPD College of Arts & Commerce, GSS BCA College, RPD BBA College) also use the facilities.

- a) Facilities are used for curricular and co-curricular activities on Sundays and holidays. Infrastructure use is optimized by holding Entrance examinations (by state & central government departments) Extra classes, competitive exam classes, N.C.C. & N.S.S. lectures.
- b) Hostel rooms are made available delegates attending Seminars, cultural events, sports camps, Inspire camps, etc., held on campus.
- c) Playground is used by schools/organizations to hold sports events.
- f) Auditoriums are used for film screening, seminars, conferences, workshops, staff meetings, exhibitions, etc.

**The Master plan of the college campus for next five years is as-**

1. Addition of infrastructure for proposed programmes.  
**Details:** (a) Infrastructure for new Ladies Room with additional toilet facility is proposed. (b) Additional class rooms and laboratories are planned. (c) Addition of digital classrooms (SmartBoard, LCD & LED TV facilities, etc).
2. Development of well-equipped Research Center  
**Details:** A Common Research Facility Centre with high end equipments is proposed.
3. Introducing a new digitization process unit in Library.  
**Details:** Digitization process unit in library is being taken up.
4. Improvement of Athletic track.  
**Details:** Athletic track of 400m, 8 lanes already exists. Further improvement of the track and the jumping pit is under consideration.
5. Additional installation of Solar Energy Systems on the campus.  
**Details:** Solar Lighting are planned for street lights, Solar Lighting and additional Heating units for Hostel & staff quarters in the campus.
6. Renovation of existing infrastructure as per needs.  
**Details:** Proposal is being made for renovation/modernization of existing open air theatre; renovation of the existing laboratories (Geology Department), and also for minor/major research project laboratories.
7. Upgradation of Botanical Garden:  
**Details:** Proposal is being made for addition of medicinal plants, cactus varieties.
8. Upgradation of Geology Museum:  
**Details:** Addition of Minerals, rocks, ores, fossils and Display of Charts & Photographs.

**4.1.4 How does the institution ensure that the infrastructure facilities meet the requirements of students with physical disabilities?**

Physically-challenged students are provided with a separate seating arrangement in their class rooms and in the reference room of the library at its ground floor. Wheel chair facility is provided if necessary.

**4.1.5 Give details on the residential facility and various provisions available within them:**

- a) **Hostel Facility - Accommodation available:** There are two separate and well-secured hostels for Boys (01) and Girls (02 with mess) on the campus. All hostels fitted with energy-efficient, smokeless water boilers and purified Water dispensers.



**Boys-Hostel (01)**

- total area is of 696.6 sq. mt
- capacity to accommodate 50
- 24 x 7 security.

**Girls-Hostel (02)**

- Total area is of 777.22 sq. mt.
  - Capacity to accommodate 106
  - (new hostel fitted with ceiling fans)
  - 24 x 7 security.
  - Mess facility
- b) **Recreational facilities, gymnasium, yoga center, etc.** Games equipments like chess-boards, carom-boards, cricket and volleyballs are available to the inmates. T.V. available.
- c) **Computer facility including access to internet in hostel:** Yes. Generator backup is available.
- d) **Facilities for medical emergencies:** Health Centre is available. Medical services are made available at call and for routine healthcare. An up-to-date First-Aid facility is available.
- e) **Library facility in the hostels:** Not available.
- f) **Internet and Wi-Fi facility:** Available
- g) **Recreational facility with common room with audio-visual equipments:** Student home with TV.
- h) **Available residential facility for the staff and occupancy:** 13 staff quarters, all occupied. In addition, there is Guest House and a separate cabin for the security guards.
- i) **Constant supply of safe drinking water:** Yes available
- j) **Security:** Security personnel are posted day and night.

**4.1.6 What are the provisions made available to students and staff in terms of health care on the campus and off the campus?**

- a. Health centre facility is available.
- b. A Professional Medical Practitioner is available on call (for students, hostelites & faculty). For off-campus medical emergencies the college deputed warden/faculty to provide help.
- c. Family Benefit Fund for staff helps with funds during medical emergencies.

**4.1.7 Give details of the Common Facilities available on the campus - spaces for special units like IQAC, Grievance Redressal unit, Women's Cell, Counselling and Career Guidance, Placement Unit, Health Centre, Canteen, recreational spaces for staff and students, safe drinking water facility, auditorium, etc.**

1. **IQAC Office:** Spacious, equipped with Computer, Laptop, Laser Printer, Scanner and Broadband Internet; can seat 30 persons.
2. **Grievance Redressal unit:** Shared room with Student Welfare Office
3. **Women's Cell:** Ladies room is available
4. **Counselling and Career Guidance:** Separate room is available
5. **Placement Cell:** Separate room is available
6. **Health Centre:** Available
7. **Canteen:** Clean and hygienic canteen run by Uday Bhavan Hotel group.
8. **Safe drinking water facility:** Purified and chilled water dispensers available at 06 points on campus
9. **Recreational spaces for staff and students:** For Students in Gymkhana office and 02 Student homes
10. **Auditorium:** 03 auditoriums (K.V.Giri Gymkhana Hall, Herekar Hall & Sevantilal Shah Sabagrah)
11. **Playground** (8 acres)with pavilion
12. **Multi-gym facility**
13. **Yoga & Meditation hall**
14. **Open Air Theatre** seating over 500
15. **Reprography booth**
16. **PSU Bank branch with ATM**

**4.2 Library as a Learning Resource**

**4.2.1 Does the library have an Advisory Committee? Specify the composition of such a committee. What significant initiatives have been implemented by the committee to render the library, student/user friendly?**

**Yes.** There is a Library Committee consisting of 8 members with a Chairman and includes one member from each department/section, Principal, Management representatives.

**4.2.2 Provide details of the following:**

Total area of the library (in Sq Mts.): 1216.27 sq.mt  
Total seating capacity: 308

• **Working hours:**

- On working days: 8.00 a m to 5.30 p m
- On holidays: closed

- Before examination days: 8.00 am to 8.00 p m
  - During examination days: 8.00 am to 8.00 p m
  - During vacation: 8.00 a m to 5.30 p m
- **Layout of the library (individual reading carrels, lounge area for browsing and relaxed reading, IT zone for accessing e-resources)**
- 01 large Main Hall and 01 midsize Hall on First floor; 01 midsize Reading halls on ground floor, 01 mid size Hall for girl students.
  - Room for Browsing newspapers/periodicals on First floor
  - IT zone on First & Second floor
  - **Individual reading carrels:** seating available on First floor Main Hall.

**4.2.3 How does the library ensure purchase and use of current titles, print and e-journals and other reading materials? Specify the amount spent on procuring new books, journals and e-resources during the last four years.**

Library Committee decides the budget for annual purchase of books, journals, periodicals and e-resources.

Amount in Rs.

Library holdings	Year 2010-11		Year 2011-12		Year 2012-13		Year 2013-14	
	Num	Total Cost	Num	Total Cost	Num	Total Cost	Num	Total Cost
<b>Text books</b>	159	34482	200	38947	184	45632	167	32317
<b>Reference Books</b>	216	79329	163	62685	329	107900	100	35503
<b>Journals/ Periodicals</b>	45	44472	41	40852	35	27867	35	38011
<b>e-resources</b>	--	--	--	--	--	--	24	3300
<b>Any other: News Papers</b>	08	10000	08	10000	08	11076	08	11076

**4.2.4 Provide details on the ICT and other tools deployed to provide maximum access to the library collection?**

Give response to below queries)

- **OPAC (Online Public Access Catalogue):** Enabled
- **Electronic Resource Management package for e-journals:** Not available
- **Federated searching tools to search articles in multiple databases:** Not available
- **Library Website:** Not available
- **In-house/remote access to e-publications:** Available through INFLIBNET

- **Library automation** : completed
- **Total Num of computers for public access** : 15
- **Total Number of printers for public access** : nil
- **Internet band width/speed 2mbps, 10 mbps, 1 gb (GB)** : 4 mbps
- **Institutional Repository**: Wooden and steel cabinets available
- **Content management system for e-learning**: Parental Control Software installed
- **Participation in Resource sharing networks/consortia (like Inflibnet)**: INFLIBNET available

#### 4.2.5 Provide details on the following items:

- **Average Num of walk-ins**: 80/day (Recorded); many walk-ins go unrecorded.
- **Average Num of books issued/returned**: 80/day
- **Ratio of library books to students enrolled**: 1:40
- **Average Num of books added during last three years**: 285
- **Average Num of login to OPAC**: Average 80/day
- **Average Num of login to e-resources**: 2664/yr
- **Average Num of e-resources downloaded/printed**: Information not available
- **Num of information literacy trainings organized**: 05
- **Details of “weeding out” of books and other materials**: damaged, outdated books 6660 (7 Dec 2011).

#### 4.2.6 Give details of the specialized services provided by the library

- **Manuscripts**: One
- **Reference**: Large Number of valuable literature available.
- **Reprography**: available on payment
- **ILL (Inter Library Loan Service)**: available. Book loan facility for entire year available.
- **Information deployment and notification**: yes – Interesting information and notices are posted on the library notice boards.
- **Download**: yes. Available for students and staff.
- **Printing**: yes (restricted to staff)
- **Reading list/ Bibliography compilation**: yes – (AACR-II)
- **In-house/ remote access to e-resources**: Available through Internet & INFLIBNET
- **User Orientation and awareness**: Through workshop named “SETU” conducted by the Library.
- **Assistance in searching Databases**: Available. The librarian provides this assistance.
- **INFLIBNET/IUC facilities**: INFLIBNET available.

**4.2.7 Enumerate on the support provided by the Library staff to the students and teachers of the college.**

Issue of required books; Search of content in databases; Orientation and awareness creation through workshop; Reprography facility is provided.

**4.2.8 What are the special facilities offered by the library to the visually/ physically challenged persons? Give details.**

There is in place a policy to supply library resources to physically challenged students on the ground floor. (No physically-challenged student currently studying in college).

**4.2.9 Does the library get the feedback from its users? If yes, how is it analysed and used for improving the library services. (What strategies are deployed by the Library to collect feedback from users? How is the feedback analysed and used for further improvement of the library services?)**

No special feedback is taken from users. But suggestions made by students/ faculty through Suggestion Box, register at Library, are evaluated by the Library Committee and suitable ones are considered for implementation.

### **4.3 IT Infrastructure**

**4.3.1. Give details on the computing facility available (hardware and software) at the institution.**

- **Number of computers with Configuration (provide actual Number with exact configuration of each available system): 84**  
Details enclosed as **Enclosure No.7**
- **Computer-student ratio: 1:13**
- **Stand alone facility:**
- **LAN facility:** available in Office, Computer Lab, Language Lab and Library
- **Wi-Fi facility:** Entire Campus enabled
- **Licensed software:**
  - a) Windows XP/Windows Millennium/Windows 7/ Windows 8;  
Microsoft Dot Net 2008
  - b) Libsoft (Library Software)
  - c) Remote Sensing Software ERDAS Imagine 9.2.
- **Number of nodes/computers with Internet facility: 03**
- **Any other**
  - a) L.C.D. : 05
  - b) SmartBoard: 04

#### 4.3.2 Detail on the computer and Internet facility made available to the faculty and students on the campus and off-campus?

Campus is Wi-Fi enabled. All Departmental computers are Internet-enabled and available to faculty and students. IT Zone for students is provided in Library for academic browsing through Internet.

#### 4.3.3 What are the institutional plans and strategies for deploying and upgrading the IT infrastructure and associated facilities?

1. Promote faculty use & dissemination of online teaching resources
2. Digitalising year wise student records (admission, leaving certificate etc) from 1966 onwards.
3. Plan to design and deploy suitable MOOC's (Massive Online Open Course)

#### 4.3.4 Provide details on the provision made in the annual budget for procurement, upgradation, deployment and maintenance of the computers and their accessories in the institution (Year wise for last four years)

Item	2010-11	2011-12	2012-13	2013-14
Computer Maintenance	210,000/-	210,000/-	225,000/-	275,000/-

#### 4.3.5 How does the institution facilitate extensive use of ICT resources including development and use of computer-aided teaching/ learning materials by its staff and students?

1. ICT facility is available in all departments. All staff members are encouraged to use educational CD's, downloaded material including graphics and video clips in their teaching.
2. Faculties use Internet for creating e-resources (e-books, research papers, study material) for use of students and faculty.
3. Email and social media are extensively used for disseminating information to students/staff.

#### 4.3.6 Elaborate giving suitable examples on how the learning activities and technologies deployed (access to on-line teaching - learning resources, independent learning, ICT enabled classrooms/learning spaces etc.) by the institution place the student at the centre of teaching-learning process and render the role of a facilitator for the teacher.

1. Faculty of Departments of Geology, Zoology, Botany, & Physics use Internet to download relevant study material (Photographs, Maps & video clips, e-books, PPT's, web pages etc.) for use in the class room and labs. This has been appreciated by the students.

2. Dr.P.T.Hanamgond (Dept of Geology) uses social media to enrich student learning.
3. Students are encouraged to access such online resources for their study, presentations and projects. This has enriched their learning experience.

**4.3.7 Does the Institution avail of the National Knowledge Network connectivity directly or through the affiliating university? If so, what are the services availed of?**

Yes. It avails directly through INFLIBNET facility. Services like access to and download of e-Books, e-Journals.

**4.4 Maintenance of Campus Facilities**

**4.4.1 How does the institution ensure optimal allocation and utilization of the available financial resources for maintenance and upkeep of the following facilities (substantiate your statements by providing details of budget allocated during last four years)?**

Sl	Item	2010-11	2011-12	2012-13	2013-14
a.	<b>Building</b>	100,000	100,000	100,000	100,000
b.	<b>Furniture</b>	50,000	50,000	50,000	50,000
c.	<b>Equipment</b>	170,000	165,000	200,500	265,000
d.	<b>Computers</b>	200,000	200,000	201,000	250,000
e.	<b>Vehicles</b>	N A	N A	N A	N A
f.	<b>Any other</b>	15,000	15,000	25,000	25,000

**4.4.2 What are the institutional mechanisms for maintenance and upkeep of the infrastructure, facilities and equipment of the college?**

The Building Committee and Heads of Departments bring maintenance and upkeep issues to the notice of the Principal and the Management. Maintenance work is undertaken on basis of urgency and priority as and when required. Government norms are followed in issue of work-orders.

The Estate Supervisor oversees the Campus upkeep and availability of water, power supply, etc.

**4.4.3 How and with what frequency does the institute take up calibration and other precision measures for the equipment/instruments?**

Calibration and other precision measures for equipment/ instruments requiring precision is undertaken whenever necessary, and when calibration specialists visit the college.

**4.4.4 What are the major steps taken for location, upkeep and maintenance of sensitive equipment (voltage fluctuations, constant supply of water etc.)?**

Sensitive equipments are maintained by the respective departments; and are fitted with online UPS and MCB's. Constant supply of water through overhead water-tanks is ensured through backup power supply.

**Any other relevant information regarding Infrastructure and Learning Resources which the college would like to include.**

1. The college campus and Buildings were requisitioned by the Government of Karnataka during the April Assembly Elections as Counting Center cum Strong Room.
2. College facilities are used for the conduct of entrance exams by government agencies like KPSC, KEA, private Universities and autonomous colleges.
3. Campus upkeep is partially outsourced (toilets cleaning and sweeping of roads.)
4. Maintenance personnel like carpenters, masons, gardeners, are available on the campus throughout the year.



## **Criterion V: Students Support and Progression**

### **5.1 Student Mentoring and Support**

**5.1.1 Does the institution publish its updated prospectus/handbook annually? If 'yes', what is the information provided to students through these documents and how does the institution ensure its commitment and accountability?**

**Yes.**

1. An updated College Prospectus is published at the beginning of each academic year. It provides information regarding Subject Combinations on offer, fee structure, facilities available, admission procedures, rules & regulations, list of faculty, career options, etc. The Vision, Mission, Goals and Objectives of the college are clearly stated in it.
2. All departments provide a Handbook which contains syllabus, list of reference books, practical workbooks, required by the students in their course.
3. The college website also contains regularly-updated information about courses offered, departmental profiles with staff details, reports on important events held in the college, and forth coming events.
4. The college administration ensures that all the facilities and benefits mentioned in its prospectus are available to the students.

**5.1.2 Specify the type, Num and amount of institutional scholarships/free ships given to the students during the last four years and whether the financial aid was available and disbursed on time?**

**Yes.**

1. Several government scholarships (state & central) are available for the students. The Scholarship Committee prepares a list of eligible students based on department inputs, suggestions from mentors and personal interviews. Eligible students are given information of available scholarships and the same is displayed on notice-boards.
2. Apart from government scholarships, the SKE Charitable Trust also offer scholarships to bright but economically- disadvantaged students. The list of scholarships disbursed is as below:

Sl. No.	Type of Aid	2009-10		2010-11		2011-12		2012-13		2013-14	
		No	Rs.	No	Rs.	No	Rs.	No	Rs.	No	Rs.
1.	Endowment prizes Scholarships/	18	10150	14	14650	26	16275	30	29526	20	51800
2.	SKES Scholarships	5	10000	28	28000	11	11300	24	17500	17	17500
3.	Alumni Grants	17	426646	03	7210	08	73516	04	47900	--	--
4.	Student Aid Fund	5	10000	22	22000	35	33500	29	22500	23	23000

### 5.1.3 What percentage of students receives financial assistance from state government, central government and other national agencies?

Year/Type of Aid		State Government	Central Govt.	Other National Agencies	Institutional
<b>2009-10</b>	Number	63/481	--	--	10/481
	Amount (Rs)	200562/-	--	--	20000/-
	Percentage	<b>13.10</b>	--	--	<b>02.08</b>
<b>2010-11</b>	Number	62/575	--	--	22/575
	Amount (Rs)	284445/-	--	--	22000/-
	Percentage	<b>10.78</b>	--	--	<b>03.83</b>
<b>2011-12</b>	Number	86/677	--	--	63/677
	Amount (Rs)	340991/-	--	--	61500/-
	Percentage	<b>12.70</b>	--	--	<b>09.31</b>
<b>2012-13</b>	Number	135/668	--	--	53/668
	Amount (Rs)	464529/-	--	--	40000/-
	Percentage	<b>20.21</b>	--	--	<b>07.93</b>
<b>2013-14</b>	Number	69/705	--	--	46/705
	Amount (Rs)	325099.00	--	--	46000/-
	Percentage	<b>09.79</b>	--	--	<b>06.52</b>
<b>Total Amount of Scholarship distributed Rs. 18,05,126=00</b>					

#### 5.1.4 What are the specific support services/facilities available for-

- **Students from SC/ST, OBC and economically weaker sections**
  1. GOI & State Government Scholarships:
  2. SKE Charitable Trust Scholarships/grants
  3. Financial aid to economically weaker students through Student Aid Fund.
  4. Reservation in admission
  5. Book Bank Facility
  6. Facility of payment of fees in installments
- **Students with physical disabilities**  
Lectures/labs/library facility is arranged on ground floor.  
Ground floor seating arrangement is made for students with physical disabilities. Wheel chair facility is also available.
- **Overseas students -- NIL**
- **Students to participate in various competitions/National and International**  
The college bears all expenses incurred (travel, food, accommodation, equipment, special training, etc.) by the students representing the college (in co-curricular and extra-curricular activities like Sports, NSS, NCC and Cultural). The college also extends academic support and flexibility in I.A tests schedule to these students. Faculty members extend support as mentors and team managers in all such activities. Attractive prizes are also given with due publicity to those who bring laurels to the institution.
- **Medical assistance to students: health center, health insurance etc.**  
Medical assistance of a Doctor on call is made available whenever needed. First aid facility is available at all departments, laboratories and library.  
In case of injuries sustained in college related activities, the expenses are borne by the college.
- **Organizing coaching classes for competitive exams**  
The college has opened a Coaching Academy which conducts regular courses to cater to student training for competitive exams.
- **Skill development (spoken English, computer literacy, etc.,)**
  1. Department of English conducts Crash Course in English speaking. Computer department conducts course on computer applications.

2. Courses of different kinds and durations for the development of students (UG & PG) – Orientation Programme and Entrepreneurship Programme every year. **“Personal Grooming Course”** is conducted every year for girl students by the Hobby Centre.
3. “Know Your Library” is conducted by Library every year under the name of “SETU”.
4. Workshop on Basic Photography was conducted for interested students.

- **Support for “slow learners”**

1. Lectures and practicals are repeated for the sake of slow learners.
2. One to one interactions and support is extended by faculty for slow learners.
3. Remedial courses are conducted for such slow learners.
4. Synopses of lectures, workbooks, question banks, model answers, open book practice tests, etc. provide support to the slow learners.

- **Exposure of students to other institution of higher learning/ corporate/business house etc.**

Students of Geology, Chemistry, Botany, Zoology and Physics are taken on study tours and industrial visits. Where in the students are exposed to firsthand knowledge, which enhances their learning process.

- **Publication of student magazines**

The college miscellany “Pratima” is published every year. Creative writings by students and faculty (in five languages) are published in it. Among other things, it contains reports of student activities and achievements made during the year in various academic and Gymkhana events. A separate section on “Staff Excellence” forms a part of it.

### **5.1.5 Describe the efforts made by the institution to facilitate entrepreneurial skills, among the students and the impact of the efforts.**

The college makes efforts to facilitate entrepreneurial skills by-

- Industrial visits to expose the students to the business environment. (Many ex-students of the college are running their own businesses as a result of the experience and exposure they had while studying in the college).
- Interactive sessions with eminent entrepreneurs and professionals to stimulate the young minds.
- Various programmes by NSS, NCC and cultural department to facilitate leadership qualities and communication skills.

**5.1.6 Enumerate the policies and strategies of the institution which promote participation of students in extracurricular and co-curricular activities such as sports, games, Quiz competitions, debate and discussions, cultural activities etc.**

College has implemented the concept of Sports Academy, where in each department/class forms a club and has competes in many games competitions. Each team has at least one girl student.

Gymkhana (which has various sections) conducts various competitions to encourage student participation. Those who excel in these are sent to inter collegiate, Inter University and later to state and National competitions.

- **Additional academic support, flexibility in examinations**

The college extends academic support and flexibility in I.A tests schedule to these students. Faculty members extend support as mentors for filling up the deficiency.

- **Special dietary requirements, sports uniform and materials**

Allowance for travel and diet is given to sportsmen. Sports blazers/track suits and sports shoes are provided to University Blues and State level players/sportsmen. In addition T-Shirts, caps, etc., are given to promising sportsmen as encouragement.

- **Any other**

1. The college promotes students' participation in extracurricular and co-curricular activities such as sports, elocution, debate, theatre, cultural activities, NCC, and NSS activities.
2. After admissions, a One-day Orientation Programme is held for B.Sc. Semester 1 freshers. During this event the Principal and Mentors provide necessary information to students so that they participate in all college activities with confidence. They are informed of academic and financial support.
3. When girl students constitute the major chunk of participants, the team is accompanied by lady team managers. As a result of these efforts, our students are performing well at top level competitions.
4. Deserving but financially disadvantaged students are allowed to pay their fees in installments.

**5.1.7 Enumerating on the support and guidance provided to the students in preparing for the competitive exams, give details of Num of students appeared and qualified in various competitive exams such as UGC-CSIR- NET, UGC-NET, SLET, ATE / CAT / GRE / TOFEL / GMAT / Central /State**

**services, Defense, Civil Services, etc.**

GSS Coaching helps interested students to prepare for competitive/entrance tests like Bank/Insurance selection, KPSC, UPSC and NET-SLET. The academy makes special arrangements with regard to books, resource persons and practice tests.

**5.1.8 What type of counselling services are made available to the students (academic, personal, career, psycho-social, etc.)**

1. Majority of the students come from socio-economically and educationally backward families. Hence, they require assistance in taking right academic decisions. Their counseling starts right from the moment of admission. The Admission Committee counsels him/her in choosing from the different programmes available by taking into account the marks and inclinations of the applicant.
2. The Principal, in his first address, categorically spells out the different schemes, activities, facilities and support services available in the college. The Mentor group in-charge staff members and departmental heads conduct further counseling considering the diverse backgrounds and levels of students.
3. Psychological Counselling is available through professionally-trained (Lady) Psychologist available on the campus. The Counsellor deals with the socio-psychological problems of students. Counseling is given with regard to academic failure, inferiority complex, lack of motivation, anxiety and other personal problems. The college also has Ladies Association (LA) and Hobby Center that provide counseling to girl students. LA organizes talks on various issues concerning girl students.
4. HoD's and faculty members also provide general guidance and counselling to the students. Career guidance is also provided to the girls students by LA.
5. A 3-day workshop on "UGC/CSIR NET Coaching Camp" by Department of Mathematics in association with RCU on 20-21 Nov. 2014.

**5.1.9 Does the institution have a structured mechanism for career guidance and placement of its students? If 'yes', detail on the services provided to help students identify job opportunities and prepare themselves for interview and the percentage of students selected during campus interviews by different employers (list the employers and the programmes).**

**Yes for the Placement Cell.** The college keeps the students informed about various career opportunities and imparts soft skills

necessary to succeed in the interviews and group discussions. Campus interviews are conducted by industry personnel, especially from the chemical industries in the district. The college is also a feeding source for B.Ed, M.BA, LLB, MCA courses apart from the PG courses at Universities. Following are the details of the placements that have taken place on college campus in last four years.

SL No	COMPANY/FIRM	Num of Students Placed			
		2010-11	2011-12	2012-13	2013-14
1.	WIPRO	11	17	05	05
2.	TCS	-	03	02	02
3.	iGATE	01	01	04	-
4.	LnT	-	02	03	-
5.	SAP	-	01	-	-
6.	WIPRO BPO	02	02	-	-

**5.1.10 Does the institution have a student grievance redressal cell? If yes, list (if any) the grievances reported and redressed during the last four years.**

**Yes.** The institution has a student Grievance Redressal Cell (with the Principal, wardens of boys and girls hostels and the librarian). Students can bring their problems to them directly or through suggestion box or through their class representatives who are members of Student Council. All types of problems faced by them are addressed speedily.

The functions of the Cell are:

1. Receive complaints (oral and written),
2. Enquiring into complaints,
3. Identify possible resolution,
4. Redressal of grievances.

**Major Grievances:**

<b>Grievances: Students</b>	<b>Solution</b>
1. Provision of separate common room for Boys	Provided, behind Office
1. Demand for textbooks of specific authors	Provided as per demand
2. Extended Library hours	Arranged extension of Library Hours one month prior to exams
3. Inadequate Parking facility	Separate parking facility is provided at entrance.
4. Practical timings of Computer lab	Adjusted in genuine cases
<b>Grievances: Faculty</b>	None so far

**5.1.11 What are the institutional provisions for resolving issues pertaining to sexual harassment?**

Gender Atrocity Cell deals with cases of sexual harassment of women students/faculty, and takes measures to prevent such cases from happening. Prof. S.S.Joshi, Prof. P.M.Bhat and Prof. B.M. Topinkatti have been in-charge of this Cell. No case has been reported in the recent past. Besides, the college arranges talks on Gender sensitization of sensitization. Message of equal opportunities is conveyed to the students.

**5.1.12 Is there an anti-ragging committee? How many instances (if any) have been reported during the last four years and what action has been taken on these?**

The College is free from the menace of ragging due to alertness of security and staff. Gender Atrocity Cell also looks after preventing ragging on the campus. Ragging is prohibited as per the guidelines of the government. No instance of ragging has taken place in the last five years.

**5.1.13 Enumerate the welfare schemes made available to students by the institution.**

- Earn while you learn scheme to needy and financially backward students.
- Endowment scholarships by college management.
- Payment of Fees on installment basis.
- SKE Charitable Foundation scholarships for financially weak and meritorious students.
- Internet facility to the students.
- Coaching for competitive examinations.



- Bus concession passes from state transport service on college campus.
- Yearly text book bank for any student.
- Exchange of students with institutions having MoU with the college.
- Support for students research and paper presentation.
- Support for students participation in various academic competitions.
- Special incentives to the sport persons.

**5.1.14 Does the institution have a registered Alumni Association? If ‘yes’, what are its activities and major contributions for institutional, academic and infrastructure development?**

No. The college Alumni association has provided active support and co-operation in creating infrastructure. Many staff members working in the college at present are ex-students of the same college. The association actively participates in academic programmes, and extension activities. Some of the alumni members are also on College Management Committee which supervises the development and growth of the institution. Some past students have donated sizable amounts to the college for infrastructure development. Some alumni, especially from NSS and cultural unit of the college, extend their support in the organization of camps and youth festivals.

Following are the donations in cash or in kind from our alumni to the institution received regularly. Rs.777303=00 (2008-09 to 2013-14)

Following are some of the important activities conducted by Alumni Association during last five years.

- a. A talk by Medha Patkar on “Challenges before India and role of Youth” on 7 Dec 2011
- b. Financial support to SETU library workshops.
- c. Collage Exhibition (Shri.Oulkar and Shri.Pawar)
- d. Cartoon Exhibition and demonstration by Jagdish Kunte
- e. Alumni Reunion 1970 batch.
- f. General Alumni reunion on 13 Jan 2012 with a cultural programme.

## **5.2 Student Progression**

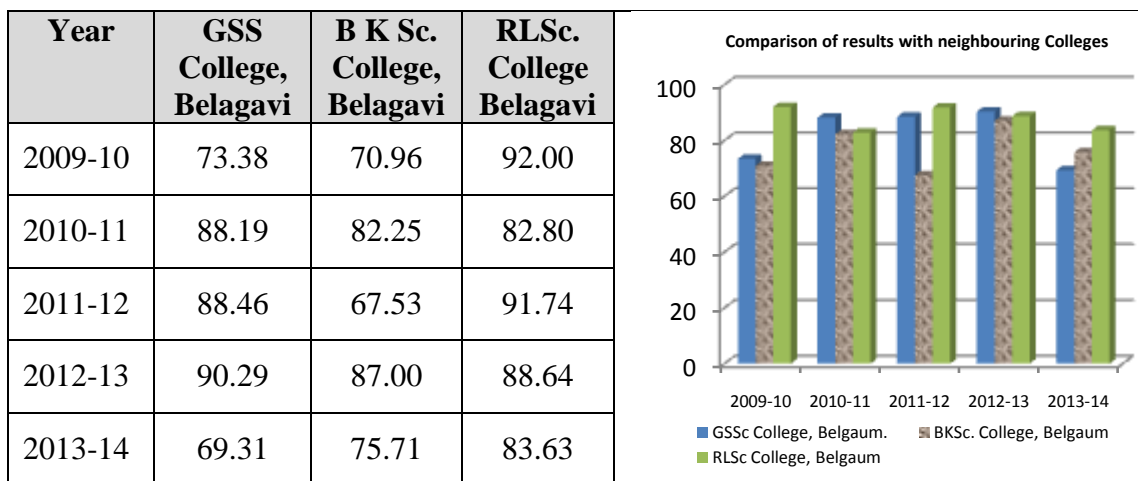
### **5.2.1 Providing the percentage of students progressing to higher education or employment (for the last four batches) highlight the trends observed.**

Student progression	% in last 4 years			
	2010-11	2011-12	2012-13	2013-14
UG to PG	37.50	63.72	65.37	23.76
Employed				
• Campus selection	06.74	10.97	06.94	03.47
• Other than campus recruitment	NA	NA	NA	NA
Entrepreneurship/Self-employment	NA	NA	NA	NA

**5.2.2 Provide details of the programme wise pass percentage and completion rate for the last four years (cohort wise/batch wise as stipulated by the university)? Furnish programme-wise details in comparison with that of the previous performance of the same institution and that of the Colleges of the affiliating university within the city/district.**

Sl No.	Programme	2009-10	2010-11	2011-12	2012-13	2013-14	
1	B.Sc.	Sem-I	64.88	64.88	83.33	41.32	54.24
		Sem-II	77.10	68.48	53.22	66.10	57.84
		Sem-III	66.67	82.79	72.36	61.79	81.20
		Sem-IV	82.22	88.10	74.80	75.98	73.61
		Sem-V	71.46	88.46	87.02	85.23	72.27
		Sem-VI	73.38	88.19	88.46	90.29	69.31
2	M.Sc.	Sem-I	70.83	41.67	47.62	13.33	83.33
		Sem-II	91.30	70.83	71.42	86.67	86.67
		Sem-III	--	63.64	87.50	47.62	66.67
		Sem-IV	--	95.45	66.67	47.62	96.67

**Comparison of results (at exit point, VI Semester) of the college with that of other major colleges in the city: (in percentage)**



**5.2.3 How does the institution facilitate student progression to higher level of education and/or towards employment?**

- **Introduction of new courses**

In keeping with Mission statement and the stated goals, the institute makes sincere efforts to provide modern education to youth of this region. A post graduation course (M.Sc.in Organic Chemistry) has been started (2008). A proposal to start a Post-Graduation Programme in Botany from 2015-16 has been approved. Such an introduction of new programmes definitely facilitates student progression to higher education.

In order to enhance student employability NSDC (New Delhi) courses have been started on the campus.

- **Career guidance**

Students are motivated for higher education and made aware about job opportunities available in the industries through material on career and employment opportunities, off -line and on-line courses by other institutes, etc. displayed in notice boards by various departments. Workshops and motivational lectures of experts are regularly organized to guide students about career options available.

- **Competitive Examination Guidance**

The college runs Coaching Academy, wherein the interested students are guided for competitive examination like KPSC, IAS, IPS, SET, NET and those in the banking and insurance sector.

- **Inculcation of Paper Presentation Culture**

Various departments encourage students to take up Presentation and seminars on different subjects. Undergraduate as well as post

graduate students participate with enthusiasm in these activities. UG Students also are encouraged to present at national seminars/workshops.

- **Student Placement Cell**

Student Placement Cell helps arrange campus selection events. Special efforts like organization on-job training, personality development seminars etc. are arranged to inculcate skills and qualities required by the job market.

- **Language Departments**

Language Department faculty encourages students to present informal seminars as part of lecture class. This helps students to overcome stage fear and improves self-esteem.

A two day orientation cum training programme is arranged for Final Year students every year wherein they are trained by faculty members regarding written test, interview and presentation.

Apart from this students are guided by the respective faculty, as the teachers have good personal rapport with students.

#### **5.2.4 Enumerate the special support provided to students who are at risk of failure and drop out?**

Special support to students who are at risk of failure and drop out is provided through counseling, remedial coaching and financial aid.

The students at risk of failure are identified and the causes found out through personal interaction. Counseling is done to help student to continue education. Psychological support is provided by the professional counselor, if necessary. Communication with the students as well as parents generally sorts out drop-out cases. Extra coaching, open-book exams and additional tests are taken for such students. Students with financial problems are allowed to pay the fees in installments as and when possible. In extreme cases they supported by grants from college, SKE Society and even aid from faculty members.

### **5.3 Student Participation and Activities**

#### **5.3.1 List the range of sports, games, cultural and other extracurricular activities available to students. Provide details of participation and program calendar.**

Following are the range of sports, games, cultural and extracurricular activities available to students.

Name of activity	Types	Event name / time
Sports	<ul style="list-style-type: none"> <li>• Indoor</li> <li>• Outdoor</li> <li>• Athletics</li> </ul>	<ul style="list-style-type: none"> <li>• Various competitions</li> <li>• Annual Sports &amp; club competitions</li> <li>• District sports coaching camp</li> </ul>
Cultural	<ul style="list-style-type: none"> <li>• Theatre/ Music</li> <li>• Literary</li> <li>• Fine arts/ Dance</li> </ul>	<ul style="list-style-type: none"> <li>• Barasaat, Naad (Cultural Programme organized in the month of July/August)</li> <li>• University Youth festival</li> <li>• Annual Social Gathering</li> </ul>
N.S.S.	<ul style="list-style-type: none"> <li>• College</li> <li>• Zonal</li> <li>• University</li> <li>• State</li> <li>• National</li> </ul>	<ul style="list-style-type: none"> <li>• Swachata Abhiyan at College</li> <li>• Camps - College, State &amp; National</li> <li>• Rallys : Blood donation, Anti-terrorism, Anti-Dowry</li> </ul>
N.C.C.	<ul style="list-style-type: none"> <li>• Air-Wing</li> <li>• Army-Wing</li> </ul>	<ul style="list-style-type: none"> <li>• Parade training</li> <li>• Social service activity</li> <li>• Health and hygiene</li> <li>• Environmental awareness programmes</li> </ul>
Science Association	<ul style="list-style-type: none"> <li>• Internal College activity</li> </ul>	<ul style="list-style-type: none"> <li>• Guest Lectures , Workshops</li> <li>• Excursion, Quiz competitions</li> </ul>
Galileo Club	<ul style="list-style-type: none"> <li>• Indoor/Outdoor Program.</li> </ul>	<ul style="list-style-type: none"> <li>• Outdoor – Sky Observation programs</li> </ul>
Debating Union	<ul style="list-style-type: none"> <li>• Internal college activity</li> </ul>	<ul style="list-style-type: none"> <li>• Guest Lectures,</li> <li>• Inter-College Debate Competition</li> <li>• Writers interviews</li> <li>• Various language programs</li> </ul>
Ladies Assn	<ul style="list-style-type: none"> <li>• Activity for college girl students &amp; ladies staff</li> </ul>	<ul style="list-style-type: none"> <li>• Guest lectures</li> <li>• Workshops</li> <li>• Competitions</li> <li>• Woman's Day celebration</li> <li>• Health campaign</li> </ul>
Youth Red Cross	<ul style="list-style-type: none"> <li>• Students/Staff of college</li> </ul>	<ul style="list-style-type: none"> <li>• Blood Donation camps</li> <li>• Data base of blood donors</li> <li>• Health checkups</li> </ul>
Chemical Society	Chemistry students & staff	<ul style="list-style-type: none"> <li>• UG &amp; PG students, enrichment lectures</li> <li>• Freshers day</li> <li>• Farewells</li> </ul>

**5.3.2 Furnish the details of major student achievements in co-curricular, extracurricular and cultural activities at different levels: University / State / Zonal / National / International, etc. for the previous four years.**

**Sport Achievements:**

Sl	Name	Event	Details
1.	Mahesh Patil	Kho-Kho	1. Represented Karnataka University in All India Inter University at Warangal (A.P) during (2009-10). 2. Inter-university tournament held at Dr. B.R.Ambedkar University A.P, from 3-7 Jan 2011.
2.	Miss Sujata Sutar	Cross Country Tournament for Women	<ul style="list-style-type: none"> <li>• All India Inter-University at Govind Ballabh Pant University of Agricultural Science and Technology Uttarakhand on 22-12-2010.</li> <li>• Represented RCU at All India Inter University Athletic meet held at Mangalore and won the Gold Medal in 5000 mts and 10000 mts run.</li> <li>• She was also selected to represent RC University in All India Inter University Cross Country Championship held at Rohtak (Haryana)</li> </ul>
3.	Ms. Sujata Nillajkar	Swimming	Represented R.C. University held at Kolkatta University (WB).
4.	Ms. Sujata Nillajkar and Ms. Prachi Halgekar	Swimming	Represented R.C. University Swimming Championship held at Kolkatta University (2012-13)
5.	Mr. Rohit Katti and Rajat Salunkhe	Football Tournament	Represented R.C. University to play south zone Inter University
6.	Shakuntala Shingari; Shruti Kerur; Rajashree Kundekar; & Snehal Khannukar	Hockey	Represented Rani Channamma University in All India Inter University Tournament for women 2011-12 and won the championship.

SI	Name	Event	Details
7.	Mr. Akash Mandolkar	Athletic	Represented RC University, in All India Inter University meet held at Mangalore.
8.	Mr. Shreeman Salgude		Represented RC University in All India Inter University Best physique Championship held at Amritsar (Punjab)
9.	Mr. Shridhar Karbassanavar	Karate	Won Bronze Medal in above 56 KG category in All India Championship 2012, held at Bengaluru.
10.	Ms Shenal Khannaukar Ms Geetanjali Bannavgal	Hockey	Represent RC University at the All India Inter University Womens Tournament (2012-2013) held at Aluva (karala)
11.	Ms Shivani Tendulkar	Shuttle Badminton	‘University Blue’ and represented RCU at all India Inter University Tournament held at Kakinada, A.P. (2012-13)
12.	Ms Sujata Sutar	Athletics	Represented RCU and won Gold medal in 5000 mt and 10000 mt run at All India Inter University Athletic meet held at Kolkata. She was also selected to represent RCU at the All India Inter University Cross Country Championship held at Bihar
13.	Ms Shivani Tendulkar		Represented RCU at the Inter University Shuttle Badminton tournament held at Aluva (Kerala) 2012-13
14.	Mr. Sachin Satwar	Net ball	University Blue and represented RC University in Inter University Net ball Competition held at Jabalpur
15.	Mr. Akash Mandolkar	Athletics	represented RC University in 400 mts run at Inter University Athletic Meet held at Patiala (Punjab)
16.	Ms.Shivani Tendulkar	Badminton	Represented RCU at Inter University Badminton Tournament held at Manipal

SI	Name	Event	Details
17.	Mr. Shahu Katkar & Mr. Shadab Rangraz	Foot Ball	Represented RCU at Inter University South Zone Foot Ball Tournament held at Kottayam (Kerala) (2013-14)
<b>NCC Achievements:</b>			
<b>AIRWING NCC</b>			
18.	Cdt. Pavan Patil won gold medal in drill at RDC Belgaum (2009-10)		
19.	Cdt. Shweta Raikar attended NIC held at Port Blair.(2010-11)		
20.	Cdt. Omkar Kulkarni attended NIC at Cooch- Bihar, Darjleeng.(2010-11)		
21.	Cdt. Kiran Sutar won gold medal twice for the static model MIG-29 at RDC New Delhi & AIVSC Bangalore (2011-12).		
22.	CUO Jervis Saldanha won silver medal in National Integration programme at RDC New Delhi (2011-12)		
23.	Cdt. Vaibhav More won first prize in quiz at NIC Guntur, Hyderabad (2011-12)		
24.	Cdt. Mohammednyeen Bulbule selected in Indian Air Force through NCC entry in technical grade (2011-12)		
25.	CCdt.CWO Kiran Sutar attended RDC New Delhi in drill. Directorate General commended him for his exceptional devotion to NCC (2012-13).		
26.	CSUO. Jervis Saldhanha attended Youth Exchange Program (YEP), at Sri Lanka. He was 3rd best cadet at international SAARC meet. He has been awarded best international aviator by Maj. Gen G. B. W. Jayasundara, RWP, RSP director of Sri Lanka NCC(2012-13).		
27.	Cdt. Radhika Sawant attended special NIC at New Delhi along with RD cadets (2013-14).		
28.	Cdt. Rujta Shanbag attended RDC, New Delhi. She represented Kar and Goa Directorate in drill. She is also selected for YEP (2014-15).		
29.	Cdt. Vandana Tripathi won gold medal in debate at NIC, Baroni, Bihar (2014-15).		
30.	Our cadets won second place in group dance at NIC, Baroni, Bihar (2014-15).		
<b>ARMY WING</b>			
31.	JUO Miss Kim Kumari Thapa was selected for OTA Chennai (2010-11).		
32.	SUO. Shakuntala attended personality development training camp at Chennai (one of only five cadets from Karnataka).		
33.	Cdt. G. V. Mavalanakar won gold medal in shooting competition held at Ahemadabad (2011-12)		
34.	Cdt. Sushmita Ankalagi attended RD Parade at New Delhi.		



Sl	Name	Event	Details
35.	Cdt. Priyanka Kundekar	participated in RDC cultural event and RD parade (2012-13)	
36.	20 Cadets	donated blood in blood donation camp organized by 26 Kar Bn NCC, Belgaum and also participated in Aids awareness rally (2013-14)	
<b>NSS Achievements</b>			
37.	General Championship	awarded at National level camp held at KUD from 1 Feb-7 Feb'14	
38.	Won first place in Street Play Competition	held in Kite-Festival, Belgaum	
<b>Cultural Achievements</b>			
39.	College hosted KUD's Belgaum zone youth festival	on 19th and 20th November 2010. Our College won over all General championship. (10-11)	
40.	Brought runners up for Belgaum zone,	in youth festival held at KUD (2010-11)	
41.	College won Runners up in Rani Channamma university inter zonal youth festival	(2012-13)	
42.	Yogesh Ramdas, student of BSc II Semester of our college	secured the "Individual General Championship" Award in the youth festival. (2012-13).	
43.	He represented Rani Channamma University,	at South Zonal Inter University Youth Festival held at Gulbarga University, Gulbarga; and secured Second prize in Classical Vocal solo at the south Zone. (2012-13). He represented all the South Indian universities at the National Level Inter Zonal Youth Festival, held at Kalyani University, Kolkata, West Bengal and won Third prize in Classical vocal at the National Level Inter Zonal Youth Festival (2012-13).	
44.	He secured Third prize in Inter Collegiate singing competition	which was conducted by Hindi Prachar Sabha, Belgaum . (2012-13). First prize in Hindustani Classical Vocal Organised by "Arts Circle Belgaum" (2012-13). First prize in Classical Instrumental (Non-Percussion) organised by KLE University(2012-13). Second prize in Hindustani Classical Vocal organised by Samraat Club International at Goa. (2012-13). Third prize in Folk song competition in Gaurav Bruhan Maharashtra organised by Akhil Bharatiya Bruhan Maharashtra Mandal. (2012-13).	
45.	Our college hosted "Rani Channamma University's Inter Collegiate Zonal Level Youth festival "SRUJAN"	for the year 2013-2014 on 5th and 6th of October 2013.	

Sl	Name	Event	Details
46.	Yogesh Ramdas and Snehal Huddar	represented GSS College in “Rani Channamma University’s Inter-Zonal Youth Festival” held at Jamkhandi. Yogesh Ramdas secured First prize in Classical Vocal and in Classical Instrumental (Non- Percussion) at Jamkhandi. Miss snehal Huddar got First Prize in Cartooning at Jamkhandi. Both Yogesh Ramdas and Snehal Huddar represented GSS college and Rani Channamma University In South Zone Inter University Youth Festival Held at Bangalore University, Bangalore. (2013-2014)	
47.	Yogesh Ramdas	secured many prizes - First prize in national music fest organised by international kite festival; First prize in Alaap in “AURA” fest organised by Gogte Institute of Technology, Belgaum (2013-2014); First prize in National level inter collegiate Singing competition organised by KLE University on behalf of trinity fest. (2013-2014); First prize in National Level Singing Competition at Gujrat; First prize (Samrat Sangeet Sitara) in Hindustani Classical Vocal organised by Samraat Club International at Goa. (2013-2014)	

### 5.3.3 How does the college seek and use data and feedback from its graduates and employers, to improve the performance and quality of the institutional provisions?

1. The institution has worked out an effective mechanism to get and use data and feedback from its students and employers to make qualitative improvement in teaching and other activities of the institution.
2. The college circulates feedback forms among the students for inputs on course contents, infrastructure and teaching process. The forms are studied and discussed individually by the IQAC and Principal and measures are taken to enhance the quality by making necessary improvements.
3. The Principal also has regular interaction with staff members and students and their feedback is used to overcome the limitations in overall functioning of the institution. Students are also asked to express their views and share their experiences at the time of farewell function.

### 5.3.4 How does the college involve and encourage students to publish materials like catalogues, wall magazines, college magazine, and other material? List the publications/ materials brought out by the students during the previous four academic sessions.

1. The college publishes its Annual Magazine PRATIMA. Students are encouraged to contribute on various topics in the form of poems, essays, short stories, proverbs, etc. The best poems, articles and short stories are given cash prizes at the time of the publication.

2. Ladies Association, NSS, NCC, Astronomy club, hold essay competitions, the best essays selected are published in the PRATIMA.

**5.3.5 Does the college have a Student Council or any similar body? Give details on its selection, constitution, activities and funding.**

Yes. The institution has a students' council called College Gymkhana. It consists of General Secretary, Ladies Representative, Student Secretaries for different sections/departments, etc. These council members are nominated on the basis of their academic performance and leadership qualities. Academic and extracurricular matters, art and literary events are conducted with the involvement of the council members. The funding is done through fees collected during admission.

**5.3.6 Give details of various academic and administrative bodies that have student representatives on them.**

As a tool for curbing or eradicating undesirable non-academic influence detrimental to maintenance of discipline & standards of education & academic excellence in the college, student representatives are appointed on various bodies. Details are given below.

Academic	Administrative
1) Library committee	1. Gymkhana Managing Committee
2) Science association	2) Cultural committee
3) Galileo club	3) Annual magazine
	4) Ladies Association
	5) IQAC

The student representatives play an active role in planning and implementation of the programmes. The activities include planning and implementation of GMC/NSS/Cultural/regular activities and special camping programmes,

**5.3.7 How does the institution network and collaborate with the Alumni and former faculty of the Institution.**

The institution networks and collaborates with former faculty and the alumni through the alumni association. The institution seeks advice on the academic and co-academic growth of the institution.

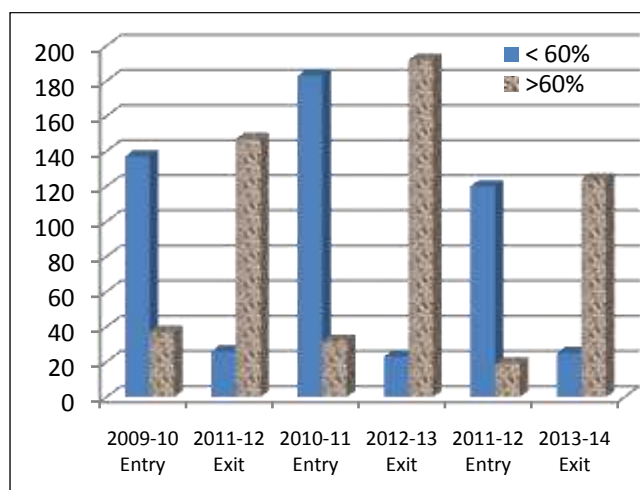
1. The institution conducts meetings with alumni and involves them in planning, execution and review of academic and developmental activities.

2. Some of the alumni are members of the IQAC and they make their valuable contributions to overall progress of the institution
3. The institution maintains contacts with former faculty for their advice in institutional planning for academic and developmental activities.
4. The alumni and the former staff are formally invited to attend every important function hosted by their respective departments or by the college. They are specially invited on Independence Day and Republic Day.

**Any other relevant information regarding Student Support and Progression which the college would like to include.**

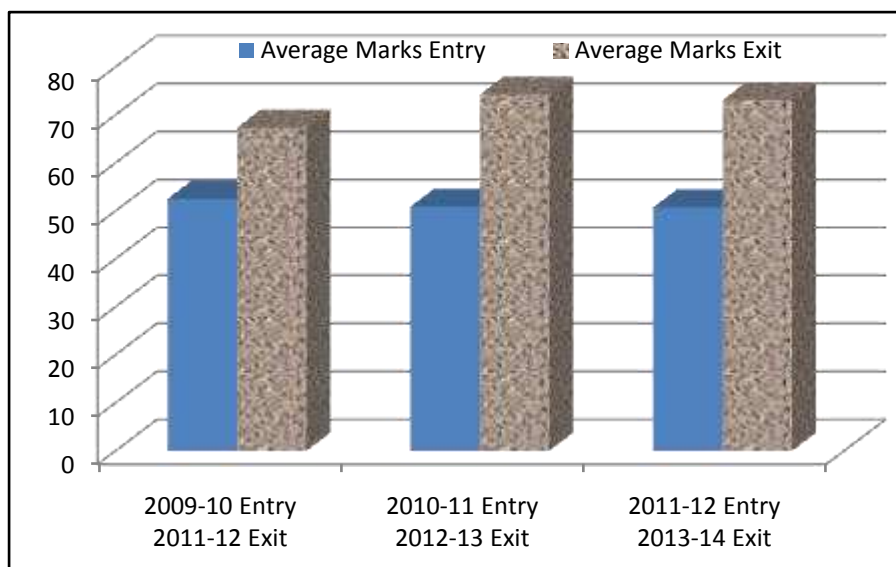
Following is the Student Progression of last three batches

Entry Year	Exit Year	<40%		>40 and <50%		>50 % and < 60%		>60 % and <70%		> 70 %	
		Entry	Exit	Entry	Exit	Entry	Exit	Entry	Exit	Entry	Exit
2011-12	2013-14	10	5	60	6	50	14	16	7	3	107
2010-11	2012-13	13	4	111	8	59	11	23	19	9	173
2009-10	2011-12	5	0	74	0	58	26	29	90	8	57



Following is the average marks at the entry and exit of last three batches

Entry Year	Exit Year	Average Marks	
		Entry	Exit
2011-12	2013-14	50.72	73.07
2010-11	2012-13	50.87	74.22
2009-10	2011-12	52.50	67.34



### 5.2.3 Give details of schemes for students welfare (Insurance, subsidized canteen facilities, Students counseling support, “earn while you learn” scheme, etc.)

1. Professionally trained Counselor service provided.
2. Hobby Centre offers earn-while-you learn schemes to girl students.
3. Placement for part-time jobs on earn-while-you-learn (Nokia).
4. Modern and hygienic Canteen.
5. Project-specific Counseling is provided whenever students request.
6. Health Centre facility.
7. Nationalised bank with ATM in campus.
8. Pay Phone and reprography facility.

### iii. Give details of the top alumni occupying prominent positions.

Some of the College’s top-position occupying alumni:

Sl	Name	Position
1.	Dr. V D Patil	Principal, J N Medical College, Belagavi.
2.	Dr Arun Jayannavar	Bhatnagar Awardee, Sr Scientist, Institute of Physics, Bhubaneswar
3.	Shri. Vinod Katti	Regional Director, DoAE, Bengaluru.
4.	Dr V K Kulkarni	Director (Rtd), National Institute of Radio Physics, Pune
5.	Dr Mahadev Dixit	Reputed Heart Surgeon, Belagavi
6.	Mr Suresh Angadi	Member of Parliament, Belagavi
7.	Mr Siddharth Hundre	Polyhydron Industries, Belagavi
8.	Mr Narendra Murkumbi	M D, Renuka Sugars; Director, ICICI Bank
9.	Mr Dhiren Kulkarni	Manager, Bank of Australia, Sydney (Australia.)

Sl	Name	Position
10.	Dr Narendar Dixit	Professor, Ind. Inst. of Sc, B'lore
11.	Mr Manohar Mohite	Director of Sports, Karnataka Government
12.	Shri.Atul Kulkarni	Actor
13.	Mrs.Nagalambika Devi	IAS officer
14.	Shri.Y.S.Patil	IAS, PS to Minister MB Patil
15.	Dr.R.R.Malgi	Prof. & Head, Mechanical Engg. VTU.
16.	Shri.Kiran Thakur	Journalist & Co-op Movement
17.	Dr.Bhushan Kanagalekar	Physics Faculty RCU
18.	Shri.S.B.Shaikh	Advocate
19.	Shri.Prasad Pandit	Well known TV Actor
20.	Mr.Shreehari Kugaji	Major, Territorial Army
21.	Shri.Deepak Dhadooti	Entrepreneur, Provided Electronic sensors to Mangalyan.
22.	Shri.Niranjan Sant	Industrialist and Ornithologist (published 2 books - Birds of Malabar; Orchids of Western Ghats.
23.	Shri.Satish Katti	GSI, NE Regions.
24.	Shri.Madhav Chavan	Advocate
25.	Shri.Nilesh Raikar	First Officer, Jet Airways India Ltd.,
26.	Mrs.M.M.Shanbhag	Retd. Principal & Literary Person, Belagavi
27.	Shri. Girish Naik	IAS Cadre officer
28.	Capt.Manisha Sharma	Member of All Women troupe which presented Guard of Honour US President Mr.Barak Obama on 25/1/2015.

**5.3.3. Give details of the various academic and administrative bodies and their activities (academic and administrative), which have student representations on them.**

Students' representative are nominated on

1. Gymkhana Committee: planning and conducting co-curricular activities like games, sports, elocution & debates.
2. Cultural activities Committee: conducting singing, dance and music, drama selections and competitions
3. Library Committee: solicit book titles for making purchase.
4. Hostel Committee: monitor facilities, hygiene, discipline and security
5. Press and Publicity Committee: prepare and provide press reports about events and activities for publication in newspapers
6. College Miscellany Committee: publish annual miscellany containing student achievements, student creative writings, department activities, and staff excellence news.

### **5.3 Best Practices in Student Support and Progression.**

#### **Give details of institutional best practices towards Students Support and Progression?**

1. Single Window Admission Process
2. Faculty members counsel students in choosing optionals at admission.
3. Financial support to bright economically-disadvantaged students.
4. Counselling services of Psychologist to students with psychological/personal problems
5. Examination form-filling by students in the respective class under the supervision of staff.
6. Free books set to students of weaker section
7. Providing set of books to meritorious students.
8. Principal, management and staff honor rank holders in the presence of their parents.
9. Filtered drinking water facilities.
10. Separate Toilets for Girls and Boys.
11. Some departments keep a record (contact details) of outgoing students.

## **Criterion VI: Governance and Leadership**

### **6.1 Institutional Vision and Leadership**

**6.1.1 State the vision and mission of the Institution and enumerate on how the mission statement defines the institution's distinctive characteristics in terms of addressing the needs of the society, the students it seeks to serve, institution's traditions and value orientations, vision for the future, etc.?**

**Vision:** An aware and empowered Youth who use the power of Knowledge to combat ignorance, poverty, social inequity and suffering for improved quality of life in India.

**Mission:** Making available quality education to the people of the region and empowering the individual with knowledge.

#### **Goals and Objectives**

1. Impart instruction and skills in the Sciences at UG and PG levels and encourage young minds to embark on an exciting journey of learning.
2. Facilitate students to acquire scientific temperament, and develop abilities of inquiry, reasoning, analysis and assessment.
3. Help young people to develop well-formed personality.
4. Improve student employability and prepare them for higher education.
5. Inculcate values of humanism, reverence for the environment, respect for human rights and culture.

**6.1.2 What is the role of top management, Principal and Faculty in design and implementation of its quality policy and plans?**

1. SKE Society focuses on imparting student-centric quality education as made out clearly in its Vision and Mission statements.
2. S K E Society supervises the functioning of the college through the Governing Council and the GSS College Managing Committee.
3. The College Management Committee, consisting of management members, the Principal as Ex-Officio Secretary, meets every Tuesday to monitor and review the working of college activities.
4. SKE Society Chairman, Shri.R.D. Shanbhag, visits the campus every day, which helps to resolve any issues on priority.
5. Faculty members provide inputs through Committees to the Principal. In turn the Principal provides feedback to the management. The Management and Principal together review issues and take necessary decisions. Duties and responsibilities are



detailed and communicated to the concerned staff by relevant committees as shown below:

- i. The Admission Committee monitors the work regarding students' admission and course counseling.
- ii. The Time-Table Committee prepares the Timetable for all the departments during every semester. HoD assigns the semester work-distribution to the departmental colleagues. Faculty are required to prepare a monthly teaching plan to be followed. It is recorded in the teachers' diary, which is checked by the HoD and Principal at the end of every month.
- iii. The Examination Committee plans test and examination schedules and conducts them.
- iv. The Library Committee allocates library budget for the departments, solicits titles of books to be purchased and prepares Book-lending policy.
- v. The Gymkhana Managing Committee, with Principal as President, is assisted by a Vice-president, Chairpersons and Student Secretaries of various departments and class representatives. This committee prepares a calendar of events for the academic year and looks into organizing sports, cultural and other extra-curricular activities. Selection trials to select players to the college teams are done by this committee. The Committee also organizes the Annual Sports (inter-class & clubs) and the Annual Day celebrations.

### 6.1.3 What is the involvement of the leadership in ensuring:

- **The policy statements and action plans for fulfillment of the stated mission:**  
The management is involved in formulating the policy statements and action plans. They allocate funds and supervise their implementation.
- **Formulation of action plans for all operations and incorporation of the same into the institutional strategic plan:**  
The over-all direction and pace of college activities are directed towards the fulfillment of policy statements of the management.
- **Interaction with stakeholders:**  
The management meets every Tuesday. Management members are approachable. They interact with the Principal and staff on a regular basis. They also interact with students and parents during meetings and functions. Students can approach them whenever necessary.

- **Proper support for policy and planning through need analysis, research inputs and consultations with the stakeholders:**

The Management members interact with the eminent visitors and academics and solicit their opinions about various academic and research issues.

The Principal and faculty members place proposals for research activities and facilities. The Management, after due consideration, generally pass the proposals. Proposals which meet their approval are supported suitably.

- **Reinforcing the culture of excellence:**

The Management is guided by the cardinal goal of making SKE Campus a centre of educational excellence. The Management reinforces this principle in its interaction with faculty. It fosters this culture of excellence by encouraging pursuit of scholastic and research excellence among students and faculty.

- **Champion organizational change:**

The management leadership of the college plays a crucial role in the implementation of action plans for the fulfillment of the stated institution mission.

The Principal and IQAC state and explain the mission and goals of the institute to all stake-holders and seek their suggestions and support before formulating the action plan. On the basis of consultations with all stakeholders like student representatives, parents, alumni, industry and staff, the leadership finalizes its action plans for all activities.

After taking cognizance of the developments in the world in general, the leadership consistently encourages excellence in the field of higher education. During staff meetings a conscious effort is made by the leadership to emphasize the organizational culture and the pursuit of excellence.

#### **6.1.4 What are the procedures adopted by the institution to monitor and evaluate policies and plans of the institution for effective implementation and improvement from time to time?**

IQAC functions as the internal monitoring system in the institution. It monitors all important activities, and co-ordinates between the teaching and non teaching staff. The Academic Calendar is chalked out after consultations with different Committees and Departments. Major events are scheduled after consultation with relevant committee/section heads. The Principal conducts periodic meetings of teaching and non teaching staff.

This helps in effective implementation of plans leading to improvement.

#### **6.1.5 Give details of the academic leadership provided to the faculty by the top management?**

The management of the SKE Society is liberal in outlook, progressive and non interfering. It consists of highly educated persons such as practicing Engineers, advocates, academicians and journalist, and industrialists, experts in their respective domains. They regularly show their concern about the academic matters in the college and extend their support for all academic programmes. The SKE Society's Governing Council meets once in 3 months and earlier if needed. The GSS College Managing Committee meets informally every Tuesday; and formally first Tuesday of every month. The SKE Society Chairman visits college literally every day.

Some notable decisions taken by the management are-

1. To apply for NAAC reaccréditation (3<sup>rd</sup> Cycle)
2. Seeking permission to start M.Sc in Botany
3. To dismiss from service Prof. M.A.Kadam, Botany Department
4. Renovation and up gradation of labs and buildings.
5. Enabling WiFi on the campus.

#### **6.1.6 How does the college groom leadership at various levels?**

The college provides ample opportunities to the faculty and students to develop leadership qualities. A majority of the faculty are either head of a committee/department/section or are member of a committee(s). Given below are the main ones:

1. All academic departments have a designated Head with defined responsibilities.
2. All the Committees of the college have a nominated Chairperson.
3. The Gymkhana (with many sections) has 14 faculty Chairpersons, 11 Student Secretaries and 09 Class Representatives.
4. There is a Staff Secretary who acts as a bridge between the Principal and the staff members.

#### **6.1.7 How does the college delegate authority and provide operational autonomy to the departments/units of the institution and work towards decentralized governance system?**

Following are the ways by which decentralized governance system is encouraged:

1. Every Department Head has reasonable autonomy to function (within a framework), who distributes workload to the

- departmental colleagues and supervises maintenance of different registers/departmental property.
2. The various committee Chairpersons work independently.
  3. The College Office also is decentralized. One Superintendent looks after the administrative work and another maintains the accounts.
  4. The Office has sections like Examination, Scholarship, Admission, Transfer certificates, Leave and Dispatch, SC-ST Scholarship, etc., looked after by office assistants.

**6.1.8 Does the college promote a culture of participative management? If 'yes', indicate the levels of participative management.**

The college promotes the culture of participative management. The participation of all stake-holders like faculty members, management and students is ensured at the planning stage in the form of consultative meetings. All faculty members are members of one or the other committee. In fact, many are in more than one committee. SKE Society Management motivates the faculty and other staff members by their participation in the college activities.

**6.2 Strategy Development and Deployment**

**6.2.1 Does the Institution have a formally stated quality policy? How is it developed, driven, deployed and reviewed?**

1. Pursuit of Excellence is part of the goals and objectives of the college. Clearly, there is a focus on fostering quality in all academic activities and infrastructure facilities. The Management and Principal highlight the college's focus on quality and pursuit of excellence in their interaction with staff and students.
2. This is implemented at the classroom teaching and lab practicals. Faculty and students are encouraged to maintain quality in research and projects.
3. The college norms strictly in conduct of examinations and sports activity in order to maintain quality.

**6.2.2 Does the Institute have a perspective plan for development? If so, give the aspects considered for inclusion in the plan.**

The college plans development in different sectors based on student-centered needs:

1. New academic programmes are started based on perception of local needs: (E.g., the P.G. course in Botany starting in 2015-16 happens to be the only P.G. course in Botany under Rani Channamma University.)
2. Infrastructure: New laboratories and classrooms to accommodate increasing student strength, and need for Counseling Room, Smart classrooms, etc.

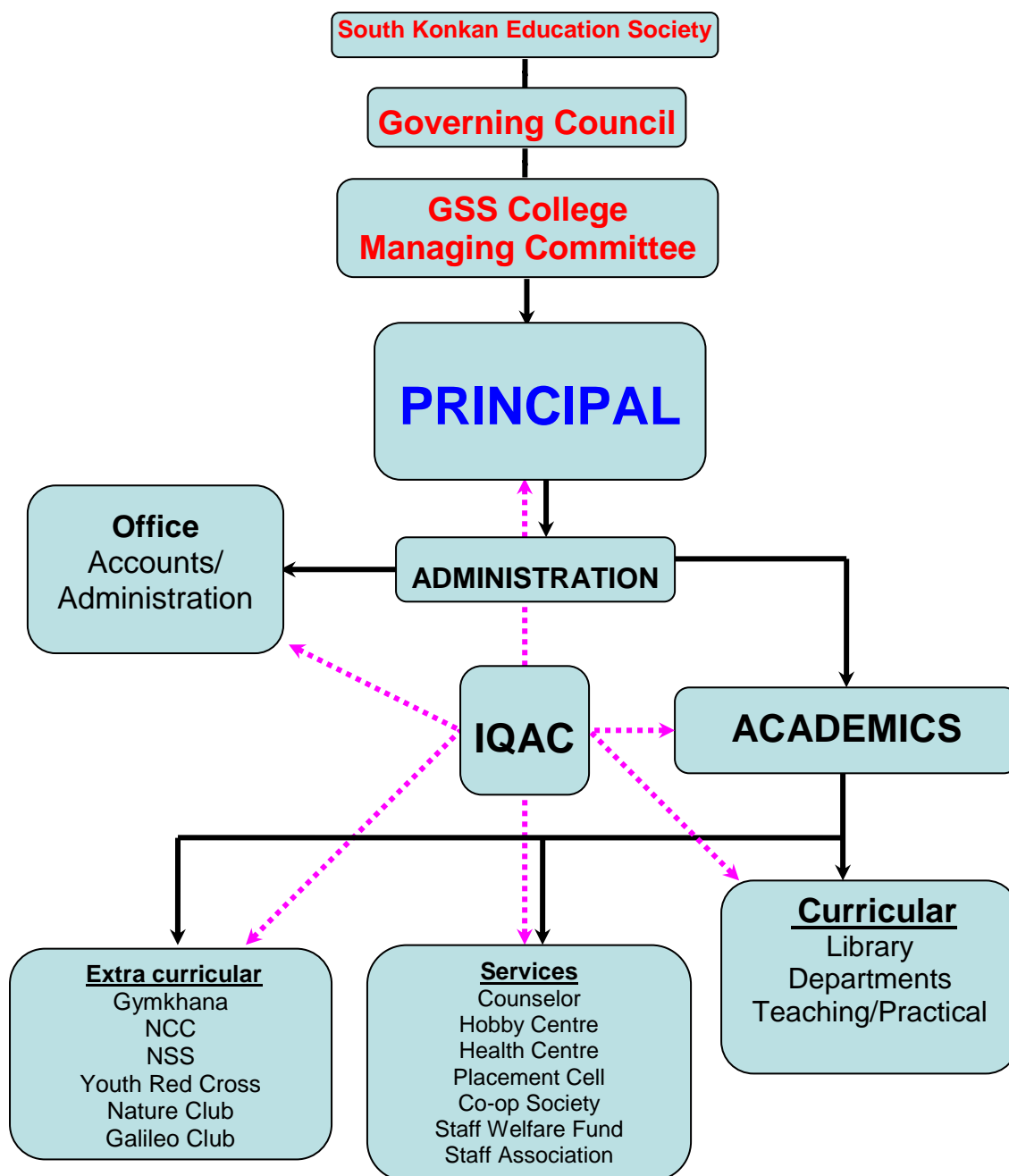
3. Research: Active research in Geology, establishment of Polymer Research Laboratory, Research in Chemistry, Biology and Physics.
4. Campus - clean and green (free from plastics and hazardous waste.)

**6.2.3 Describe the internal organizational structure and decision making processes.**

South Konkan Education Society is the parent body. It has a 15-member Governing Council which looks after policy matters and budgeting of the society's institutions. This is conveyed to the GSS College Managing Committee (subcommittee of the Governing Council) which meets every Tuesday to monitor and review the working of the college. Decisions taken by the Committee is conveyed to faculty and other staff as needed.

The college Principal is assisted by various Committees and other bodies. Issues are discussed at meetings and decisions taken. They are conveyed to the concerned committee/person at different levels in the management and staff as the case may be for further action.

## GSS College Organisational Structure



Committees - such as Admission Committee, Attendance Committee, Time-Table Committee, Library Committee, Gymkhana Managing Committee and Discipline Committee, Research Committee, Scholarship Committee, etc. - are constituted to organize and conduct various college activities. Every committee works independently and the decisions taken in meetings are conveyed to the Principal for further action.

Norms and guidelines of the government and the management are followed in appointing teaching and non-teaching staff. Additional teaching and non-teaching staff are appointed and paid by the management for maintaining standards in education. The college has an in-built mechanism to check the work efficiency of teaching and non-teaching staff based on individual profiles.

#### **6.2.4 Give a broad description of the quality improvement strategies of the institution for each of the following**

The quality improvement strategies are centered on enhancing student learning

##### **• Teaching & Learning**

1. Delegate teachers to Refresher/Orientation courses.
2. Encourage teachers to participate/present papers in seminars and conferences to update their subject knowledge and skills.
3. Use of different teaching methods (using various teaching aids.)
4. Up gradation of library facilities and services.
5. Up gradation of laboratories and equipment.

##### **• Research & Development**

1. Teachers are encouraged to undertake Major and Minor research projects funded by various funding agencies. Research Committee co-ordinates the preparation and submission of project proposals.
2. Teachers and students are encouraged to attend seminars/conferences, and financial support is given to them.
3. Students are motivated to take student projects.

##### **• Community Engagement**

1. NSS camp
2. DST's INSPIRE Internship Camp Programme
3. Youth Red-Cross (Blood Donation camp)
4. Street Plays and Rallies
5. Staff extension activities
6. Awareness creation among surrounding schools/colleges with exhibitions.

##### **Human Resource Management**

1. Recruitment of quality teachers.
2. Motivation and support for faculty improvement through refresher and other special courses; and research work.
3. Eminent visiting faculty at PG.

##### **Industry Interaction**

1. Campus interviews
2. Field and Industry visits of students as a part of learning and internal evaluation
3. Student projects

**6.2.5 How does the Head of the institution ensure that adequate information (from feedback and personal contacts etc.) is available for the top management and the stakeholders, to review the activities of the institution?**

The Principal receives feedback from the Heads of the departments and Chairpersons of various committees, and concerned individuals. The relevant information is forwarded to the Management, on basis of which it reviews the college's activities. Whenever necessary the concerned office bearers or individuals are called to the Management meetings to provide clarifications.

**6.2.6 How does the management encourage and support involvement of the staff in improving the effectiveness and efficiency of the institutional processes?**

The management encourages faculty involvement in academic and research activities. Faculty members are represented on the College Managing Committee which supervises and reviews academic activities. The Management supports conduct of, and faculty participation in, seminars/research activities with a view to achieve effectiveness of teaching-learning.

**6.2.7 Enumerate the resolutions made by the Management Council in the last year and the status of implementation of such resolutions.**

Details of resolutions made and their status is enclosed as **Enclosure No.8**

**6.2.8 Does the affiliating university make a provision for according the status of autonomy to an affiliated institution? If 'yes', what are the efforts made by the institution in obtaining autonomy?**

Yes. A proposal to apply for autonomy is still under consideration.

**6.2.9 How does the Institution ensure that grievances / complaints are promptly attended to and resolved effectively? Is there a mechanism to analyse the nature of grievances for promoting better stakeholder relationship?**

Yes. There is a grievance Redressal cell for employees and students. Employees are always free to approach the cell or the Principal and the Management with their grievances. The Principal takes note of the grievances and tries to solve them discretely and amicably. The Cell and the Principal make efforts to resolve student grievances as quickly as possible.



**6.2.10 During the last four years, had there been any instances of court cases filed by and against the institute? Provide details on the issues and decisions of the courts on these?**

**Yes.** Prof M.A.Kadam (Department of Botany), has been dismissed from service for dereliction of duty & insubordination (August 2013). The matter is currently in the court.

**6.2.11 Does the Institution have a mechanism for analyzing student feedback on institutional performance? If ‘yes’, what was the outcome and response of the institution to such an effort?**

The students provide feedback on the class room teaching and infrastructure facilities through printed feedback forms. The collected feedback is processed and findings communicated to the concerned staff member / department and the management.

**6.3 Faculty Empowerment Strategies**

**6.3.1 What are the efforts made by the institution to enhance the professional development of its teaching and non teaching staff?**

- Encouraging the staff members to participate in Orientation and Refresher courses by sanctioning them the required duty leave.
- To undertake research projects from different funding agencies. Library accesses research journals.
- Adequate financial support is made for purchasing research grade equipments.
- To register for Ph.D. Such teachers are given opportunity to avail Faculty Development Programmes by UGC and other institutions.
- Each department has been provided a computer with Internet facility, departmental library, etc.

**6.3.2 What are the strategies adopted by the institution for faculty empowerment through training, retraining and motivating the employees for the roles and responsibility they perform?**

The faculty training programmes are conducted as and when needed. In order to motivate the employees and upgrade their skills the college has conducted the following:

- a. **01** NAAC sponsored Workshop on “Research Funding Agencies and Formulating Research Proposals”.
- b. 16 Seminars/workshops were conducted to upgrade the subject knowledge.
- c. 03 Workshops on revised/new syllabus introduced by Rani Channamma University were conducted by Biology, Geology & Physics departments.

- d. 01 Workshop for PG teachers was conducted by Department of Chemistry.
- e. Training for library staff on LIBSOFT
- f. Periodical special lectures were conducted by the departments to upgrade subject knowledge and motivate the faculty.

**6.3.3 Provide details on the performance appraisal system of the staff to evaluate and ensure that information on multiple activities is appropriately captured and considered for better appraisal.**

Staff appraisal is done in three ways: (a) Student Feedback and (b) Annual Self Appraisal Report and (c) Informal inputs from Head of the Department.

- a. Information is gathered on a teacher's subject knowledge, adequate preparation, punctuality, communication skills, use of ICT/educational aids, and overall effectiveness of teaching. Students are asked to rate the teacher on a rating scale that is explained on the feedback form itself.
- b. In case of Self Appraisal, the teacher provides details of his/her performance with reference to the various criteria and input details asked for in the printed format prepared by the IQAC.
- c. The Department Head consolidates individual ASAR's into a Departmental Profile, which also forms the basis of the informal inputs provided to the Principal.

**6.3.4 What is the outcome of the review of the performance appraisal reports by the management and the major decisions taken? How are they communicated to the appropriate stakeholders?**

The Management reviews the performance of individual teachers on the basis of the inputs consolidated by the Principal from the above three sources. Accordingly, they convey their appreciation/concern to the teacher whenever necessary. Teachers deemed to have excelled at their activities are felicitated on 15 August or 26 January as the case may be.

Unacceptable and negative inputs against any teachers are regarded very seriously. The concerned teacher is first cautioned orally or through a memo depending on the seriousness of the issue. In extreme cases, the management takes measures to dismiss the teacher from service. (Prof M A Kadam, Department of Botany was dismissed from service in August 2013)

**6.3.5 What are the welfare schemes available for teaching and non teaching staff? What percentage of staff have availed the benefit of such schemes in the last four years?**

The college has a Employees' Co-op. Society which extends long-term loan facility to the tune of Rs.1,50,000/- and Emergency loan to the tune of Rs.5,000/-. The college has arranged overdraft facility for the staff members with the UBI.

There are 13 blocks of staff quarters. There is a Staff Welfare Fund which makes a grant of Rs.10,000/- in case of employee death.

**6.3.6 What are the measures taken by the Institution for attracting and retaining eminent faculty?**

- Academic ambience, feeling of togetherness, opportunities for proving creativity and talent, appreciation of work, help in difficulties, facilities for research, policy of prompt salary payment for society appointed staff are the strategies to attract and retain the faculty and other staff.
- The college has acquired a status of college with Potential for Excellence (CPE). The special grants coupled with the share of management helped to augment facilities like infrastructure, library and research. College has been known as a dedicated center for learning, which attracts professionally competent faculty as a staff member of the college.
- Newly recruited teachers are encouraged to acquire further qualifications, to undertake research projects by providing necessary facilities and support.
- Fresh faculty members are assigned with the responsibilities of co-curricular or extra-curricular activity of their interest under senior faculty. This develops sense of responsibility, togetherness and inclusion in the mind of newly appointed teachers.
- The benefit of starting their PF account for the temporary staff.

**6.4 Financial Management and Resource Mobilization**

**6.4.1 What is the institutional mechanism to monitor effective and efficient use of available financial resources?**

The institution has its own budget allocation procedure. Each department is given a budget at the beginning of the academic year. A collective use and sharing approach is used for the funds.

**6.4.2 What are the institutional mechanisms for internal and external audit? When was the last audit done and what are the major audit objections? Provide the details on compliance.**

**Yes.** The external audit is done by M/s Marathe, Hargude & Co., Belagavi. Jt. Director of Collegiate Education, Dharwad and AG Office, Bengaluru, also inspects and audits the college accounts. The last audit was done during April 2014. No adverse remarks made.

**6.4.3 What are the major sources of institutional receipts/funding and how is the deficit managed? Provide audited income and expenditure statement of academic and administrative activities of the previous four years and the reserve fund/corpus available with Institutions, if any.**

Major sources of funds are:

1. State government (salary grant of permanent staff)
  2. Student fees
  3. Government agencies like UGC, DST, MoES, Rani Channamma University, Directorate of Collegiate Education, Bengaluru.
- Deficit, if any, is made good by funds from SKE Society.

Audited reports of last four years is enclosed as **Enclosure No.9**

**6.4.4 Give details on the efforts made by the institution in securing additional funding and the utilization of the same (if any).**

No rigorous efforts have been made to raise funds from other sources.

**6.5 Internal Quality Assurance System (IQAS)**

**6.5.1 Internal Quality Assurance Cell (IQAC)**

**a. Has the institution established an Internal Quality Assurance Cell (IQAC)? If 'yes', what is the institutional policy with regard to quality assurance and how has it contributed in institutionalizing the quality assurance processes?**

**Yes.** The IQAC forms the core body that assists the Principal and the management in formulating policies, and implementation of current plans. It also formulates future plans and takes measures to implement the quality assurance processes implied in the best practices followed by the college.

**b. How many decisions of the IQAC have been approved by the management / authorities for implementation and how many of them were actually implemented?**

The following IQAC decisions were implemented by Management:

1. Starting PG courses (M.Sc. in Botany to start in 2015)
2. Start Skill-based courses (started NSDC's courses)
3. CCTV and Wi-Fi installed.
4. Upgradation of labs - completed
5. Installing SmartClass facilities: 04 installed
6. Starting Language Lab: established in 2010-11
7. Installing Solar Lighting systems: underway
8. Entering into MoU's with academia/industry
9. Green Audit.

The following IQAC recommendations have not yet been implemented:

1. Academic Audit
2. Energy Audit
3. Central Research Facility

**c. Does the IQAC have external members on its committee? If so, mention any significant contribution made by them.**

Yes. They provide insight into public perception of college and demand areas for jobs.

**d. How do students and alumni contribute to the effective functioning of the IQAC?**

Students provide feedback which is valuable to IQAC to make midcourse corrections to policies and plans. Alumni provide inputs regarding trends in educational courses which help IQAC plan courses to offer in future.

**e. How does the IQAC communicate and engage staff from different constituents of the institution?**

IQAC holds meetings of all teaching staff and non-teaching staff separately and communicates important decisions and future plans. It solicits their feedback and inputs, which are used to fine-tune its decisions and recommendations.

**6.5.2 Does the institution have an integrated framework for Quality assurance of the academic and administrative activities? If 'yes', give details on its operationalisation.**

Yes. Quality assurance of the academic and administrative activities is done through the hierarchy of committees supervised by the IQAC.

**6.5.3 Does the institution provide training to its staff for effective implementation of the Quality assurance procedures? If 'yes', give details enumerating its impact.**

**Yes.**

- a. Computer science department provides training for non teaching staff in Computer Applications.
- b. Libsoft (Library Software) training was arranged for the library staff.
- c. NAAC sponsored Workshop on "Research Funding Agencies and Formulating Research Proposals".
- d. Workshop for PG teachers was conducted by Department of Chemistry to enhance laboratory classes handling skills.

**6.5.4 Does the institution undertake Academic Audit or other external review of the academic provisions? If 'yes', how are the outcomes used to improve the institutional activities?**

Academic Audit has been recommended and decision to implement taken.

**6.5.5 How are the internal quality assurance mechanisms aligned with the requirements of the relevant external quality assurance agencies/regulatory authorities?**

IQAC familiarises all staff members with the norms and requirements of NAAC & the UGC. Monitoring the implementation of these is done by the IQAC with the active participation of the Principal and the help of management.

**6.5.6 What institutional mechanisms are in place to continuously review the teaching learning process? Give details of its structure, methodologies of operations and outcome?**

Teachers teaching activities recorded in the diary are scrutinized by Head of the department, and by Principal. The teachers diary include portion to be completed, teaching and co-curricular activities done by the faculty. In case of any short falls, the Head/Principal may seek clarification/completion of activities.

**6.5.7 How does the institution communicate its quality assurance policies, mechanisms and outcomes to the various internal and external stakeholders?**

The above are communicated in the following ways:

1. All stakeholders (especially prospective students) made aware in general through the College's prospectus.

2. Students are made familiarised during Orientation programmes about the college infrastructure, facilities, rule and regulations, vision, mission and objectives.
3. Faculty and external stakeholders are kept informed about college activities (both, current and prospective) during meetings and through notices.

**Any other relevant information regarding Governance Leadership and Management which the college would like to include.**

GSS College Managing Committee Resolutions implemented: 36  
Resolutions not implemented: 01

## Criterion VII: Innovation and Best Practices

### 1.1 Environment Consciousness:

- 1) Green House: to grow endangered plants and rare Orchids & shade loving plants as well as Insectivorous plant - nepenthes, venus trap, and *Gingko biloba* (known as a living fossil plant).
- 2) Green Audit completed.
- 3) Use of Solar Heating and Lighting systems.
- 4) Medicinal, Herbal & Nakshatra garden well developed
- 5) Water harvesting pit: campus water collected in pit to recharge ground-water table.
- 6) Vermi-compost: organic matter of college campus converted into compost. (Students from rural areas make & sell vermicompost)
- 7) Student visit to industries : to study working of ETP plants : Sugar industries Chemicals plants Foundries & Surface treatment plant
- 8) Conducted workshop on Organic Farming at Ningenatti village.

#### 7.1.1 Does the Institute conduct Green Audit of its campus and facilities?

Yes. Details enclosed as **Enclosure No.10**

#### 7.1.2 What are the initiatives taken by the college to make the Campus eco-friendly?

- **Energy conservation :**
  1. Solar Water Heating and Solar Electricity
  2. Ordinary bulbs replaced with energy-efficient CFL & LED
  3. Energy efficient water boilers installed in hostels
  4. Purchase of energy-efficient electrical equipments (like refrigerator)
  5. Buildings have good natural illumination and ventilation
- **Use of renewable energy:**
  1. Solar Water Heating and Solar Electricity
  2. Energy efficient water boilers installed in hostels
- **Water harvesting**
  1. Constructed Water Harvesting pit: next to this pit we have dug a well to demonstrate how rain harvesting recharges ground water.
- **Check dam construction:** Not applicable
- **Efforts for Carbon neutrality :**
  1. Increased Tree cover on campus (more than 1000 trees grow



- in the campus)
  - 2. Use of renewable energy like Solar.
  - 3. Use of energy efficient devices like LED bulbs, refrigerator etc.
  - 4. Decrease in use of paper in Office and for records-keeping.
- **Plantation**
    1. Botanical Garden with exotic and endangered species
    2. Nakshatra garden
    3. 5 acres covered with Mango grove
    4. Cactus House
    5. Green House
    6. Herbal medicinal garden
    7. Pond to grow aquatic plants
  - **Hazardous waste management:**
    1. Effluent Treatment plant installed to treat effluents from Chemistry, Biology and Geology Departments.
    2. Prof B L Majukar provides consultancy to industries in handling of hazardous chemicals and personal hygiene. Tata Motors, Dharwad, has issued him a Letter of Appreciation.

**vi. e-waste management:** no significant e-waste generated

## 7.2 Innovations

**7.2.1 Give details of innovations introduced during the last four years which have created a positive impact on the functioning of the college.**

1. Department of Geology has an innovative programme of conducting bridge course to Ayurveda Medical students, who use minerals and ores purchases from the vendors for preparing drugs, which they do not know whether they are genuine specimen. In this regard, Geology Department provides Geological Knowledge of identifying minerals and ores with their physical properties, optical properties, specific gravity etc. Such interactive sessions were highly appreciated and well received by the Ayurved Fraternity around Belgaum. Hence, this Bridge course is now popular as “Khanij” a state level bridge course. In continuation of this programme, Dr.Hanamgond, Associate Professor of Geology, has been recognized as Co-guide for 6 MD dissertations of Ayurveda Mahavidyalaya (KLE University, Belagavi). Two collaborative research papers have been published in the national journals one of which has received the best paper presentation too.
2. Department of Geology also has introduced Poster making by students

using the cutting edge science news related to Geology and Environment appearing in news papers/periodicals. Which has made the students to enrich their subject understanding better.

3. 20 students of Botany Department assisted the Auditor of the Green Audit in making a flora and fauna census of the campus.
4. Department of Botany when on study tour collects rare medicinal plants available in nearby region and plants them in the nursery of college botanical garden. Saplings of these plants are then provided to neighboring colleges and schools of district on request. This is done with specific purpose of spreading the message of use of ethnic medicine and conservation of medicinal plants.
5. Biomass of the campus is utilised to make Vermi Compost, which is being used for the campus gardens. Chemical fertilizers or pesticides are avoided in the campus. Organic pesticides (Neem water) are being used.

### 7.3 Best Practices

**7.3.1 Elaborate on any two best practices in the given format at page no. 98, which have contributed to the achievement of the Institutional Objectives and/or contributed to the Quality improvement of the core activities of the college.**

#### Best Practice - 1

1. **Title of the Practice:** Orientation Programmes (for students of Sem 1 and Sem 6)
2. **Goal:**
  - a. Sem 1 (Freshers): to facilitate smooth integration of student into activities of the college.
  - b. Sem 6 (Outgoing): to enhance employability and ability of students to pursue higher education.  
from diverse backgrounds and natures to
3. **The Context:**
  - a. Students with diverse academic, social, religious, cultural (urban/rural), educational (segregated/co-ed) enroll at Sem 1. Most fellow students and the college environment appear unfamiliar and cause anxiety. This can result in homesickness, loneliness and delayed participation in activities.
  - b. Outgoing students need to be familiarized with soft skill sets required to get and retain jobs. Alternatively, they need to be familiarised with entrepreneurship skills.

**4. The Practice:**

a. A Two/Three day Orientation programme is conducted under teacher/mentor supervision. Attendance is mandatory. “Breaking the Ice” activities, introduction of oneself, small-group cooperative activities, talent activities, teacher talks about college academic and sports facilities, communal lunches, etc., are arranged in order to achieve integration and comfort levels of new-comers.

b. A programme that highlights skills that are necessary to get jobs: knowledge levels, soft skills, proper preparation for interviews, locating job availability, etc. They are told about the requirements of successful entrepreneurship. Pep talks by successful entrepreneurs are arranged.

**5. Evidence of Success**

a. This results in a warm and friendly ambience in which allays the fears and anxieties of the freshers, especially those who are diffident or come from villages. Their integration into college activities and culture is noticeably quicker, resulting in more effective teaching-learning process.

b. This programme has resulted in improving employability: many students have been successful in getting jobs. Quite a few of them have taken up entrepreneurship.

**6. Problems Encountered and Resources Required**

Common problems: ensuring students attendance. Keeping them attentive for six hours. Funds are arranged by the college.

**7. Notes (Optional)**

We have found this very helpful for the students as well as staff as it improves teaching-learning effectiveness.

**Best Practice - 2**

**1. Title of the Practice:** Student-Mentoring

**2. Goal:** to increase student comfort levels and sense of security.

**3. The Context:** many students feel diffident and are easily stressed by lack of parental attention, personal problems and issues of life-style. Due to diffidence and image problems they may fail to cope with the issues. At such times the presence of a helpful mentor is valuable.

**4. The Practice:**

Every student is attached to particular teacher who plays the role of a helpful friend and guide. Whenever a student feels he/she is not able to cope with a problem he/she can approach the mentor. The Mentor helps the student overcome the problems (related to academic, office, library, personal issues). If the mentor is unable to help he guides the student to the proper person who can help. Mentors also conduct meetings when required.

**5. Evidence of Success**

This has lead to improved student experience of all college activities (as expressed by the students). Problems like student frustration or violent behaviour is negligible on the campus. We believe that the above fact and improved student academic achievements are a natural outcome of this programme.

**6. Problems Encountered and Resources Required**

Parents of students advised to meet the mentors appear unwilling to do so. Students' do not attend meetings called by the mentor regularly.

**7. Notes (Optional)**

This programme is effective in improving student confidence, self-esteem, teamwork and effective learning experience.

### **C. Declaration by the Head of the Institution**

I certify that the data included in this Self-Study Report (SSR) for 3<sup>rd</sup> Cycle Re-accreditation is true to the best of my knowledge.

This SSR is prepared by the institution after internal discussions, and No part thereof has been outsourced.

I am aware that the Peer team will validate the information provided in this SSR during the peer team visit.

Place: Belagavi  
Date: 10 March 2015

Prof. A.K.Mense  
Principal

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# Departmental Evaluation Reports

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## Geology Department

1. **Name of the department:** Geology
2. **Year of Establishment:** 1966
3. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., and Integrated Masters; Integrated Ph.D., etc.):** UG
4. **Names of Interdisciplinary courses and the departments/units involved:** NIL
5. **Annual/ semester/choice based credit system (programme wise):**  
Semester
6. **Participation of the department in the courses offered by other departments:** NIL
7. **Courses in collaboration with other universities, industries, foreign institutions, Etc.:** State Level Bridge Course “Khanij” with BMK Ayurveda Mahavidyalaya, Shahapur, Belgaum.
8. **Details of courses/programmes discontinued (if any) with reasons:** Nil
9. **Number of teaching posts**

Designation	Sanctioned	Filled
Professors	-	-
Associate Professors	4	2
Asst. Professors	-	2 (Society Employees)

10. Faculty profile with name, qualification, designation, specialization, (D.Sc. /D.Litt. /Ph.D. / M. Phil. etc.)

Name	Qualification	Designation	Specialization	No. Of years of experience	No. Of Ph.D students for the last 4 years
Prof.H.G.Patil Rtd. On 30 Apr 2012	M.Sc	Assocociate Prof.	Geology	34	NIL
Prof. A.K.Mense	M.Sc	Assocociate Prof. (Principal)	Geology	31	NIL
Dr.P.T.Hanamgond	Ph.D	Assocociate Prof.	Sedimentary Petrology & Coastal Dynamics	21	Co-Guide for 3 Ph.D Students

Miss.Manisha S.Dhuri	M.Sc, PGDGI S	Lecturer	Geology	1yr	NIL
Mr.Suraj Mense	M.Sc	Lecturer	Geology	7 m	

11. **List of senior visiting faculty:** 01 (Prof.H.G.Patil for 2012-13 Academic Year)
12. **Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:** 13% theory, 20% practical
13. **Student -Teacher Ratio (programme wise): 21:1**
14. **Number of academic support staff (technical) and administrative staff; sanctioned and filled:** NIL
15. **Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.:** 01 Ph.D; 03 M.Sc
16. **Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:** NIL
17. **Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received:** Not applicable as there is no PG Course in Geology
18. **Research Centre /facility recognized by the University:** Rani Channamma University has not permitted UG departments as Research Centre.
19. Publications:
  - a) **Publication per faculty**  
Dr. Prof. P.T.Hanamgond: National papers: 06, International papers 02.
  - b) **Number of papers published in peer reviewed journals (National /International) by faculty and students:**  
Dr. Prof. P.T.Hanamgond: National papers: 06, International papers: 02 Number of publications listed in International Database (For  
Eg: Web of Science, Scopus, Humanities International Complete, Data Database - International Social Sciences Directory, EBSCO host, etc.)
    - Monographs: **Nil**
    - Chapter in Books: **02**
    - Books Edited:**02**
    - Books with ISBN/ISSN numbers with details of publishers : **Nil**
    - Citation Index : **62**
    - SNIP
    - SJR



- Impact factor : **0.4**
- h-index : **05**

20. **Areas of consultancy and income generated:** Identification of minerals and ores for Ayurvedic Medical Students and Teachers (Informal)

21. **Faculty as members in**

- a) **National committees:** Prof.A.K.Mense: Maharashtra Itihas Prabodhini –Trustee; Samajwadi Prabodhini Member of Management Committee;
- b) **International Committees:** Nil
- c) Editorial Boards: **Dr.P.T.Hanamgond (Journal of Coastal Research, Florida, USA; Mining Engineers Journal, Hyderabad, India)**

22. **Student projects:** 04 (Helped Zoology students on fishes)

- a) Percentage of students who have done in-house projects including interdepartmental/programme: **2013-2014: 100%**
- b) Percentage of students placed for projects in organizations outside the institution, i.e., in Research laboratories/Industry/ other agencies: **NIL**

23. **Awards / Recognitions received by faculty and students:**

- a) Prof. Principal A.K.Mense received “**Mahatma Gandhi Sadhbhavana Award**” by the Mahatma Gandhi Smarak Samithi Panchgani, on 30th January 2013.
- b) Dr. Prof P.T.Hanamgond: received “**Nation Builder Award 2014**”, by Rotary India Literacy Mission, through Rotary Club of Belgaum South
- c) Dr. Prof. P.T.Hanamgond: received “**Best Professor Award 2014**” by Jain International Trade Organisation

24. **List of eminent academicians and scientists / visitors to the Department:**

- a) Mrs. Kavita Patil, Japan.
- b) Shri. Narahari of IGI /Hyderabad
- c) Shri A.R. Hallur, Rtd.Sr Geologist, GSDA, Maharashtra
- d) Mr.Ajit Anaskar, Delhi (alumnus)
- e) Mr. Nandish Patil (Electronic Engineer)
- f) Shri. B.G.Desai, rtd Geologist, Khetri Copper Mines.
- g) Dr.Pathani, Head, Dept of Geology, Science College, Nanded
- h) Shri.V.J.Katti, Regional Director, DoAE, Bangalore
- i) Shri.P.B.Gavali, Indian Institute of Geomagnetism.
- j) Shri. S.G.More & Dr.Katti, Parwatibai Chowgule College, Madgaon, Goa.
- k) Dr.M.S.Mannikeri, Retd Professor, K.U.Dharwad.
- l) Dr.S.C.Chougala, Associate Professor, K.C.Dharwad
- m) Dr.J.T.Gudagur, Associate Professor, K.C.Dharwad

- n) Dr.H.T.Basavarajappa, Professor, Dept of Geology, Mysore University, Mysore.  
o) Miss.Bindan Patil, Geologist, DMG, Belagavi.

25. Seminars/ Conferences/Workshops organized & the source of funding:

**01 National Seminar, 03 National workshops and 07 Bridge Courses (02 State Level)**

a) **National:**

- i. National Workshop on “Sand mining: Present and Future scenario with alternate source” was arranged on 2 Feb 2014 in association with Mining Engineers Association  
ii. National Seminar on “Linking of Rivers: Boon or Bane” was organised on 13 Sep 2013

b) **International:** NIL

26. Student profile programme/course wise:

Name of the Course/ Programme	Year	Applica- tions Received	Select- ed	Passed		Pass %	Gold Med al
				Male	Female		
B.Sc With PMG, CBG & CGCs Combinations	2010-11	11	11	03	08	100	01
	2011-12	19	10	09	10	100	01
	2012-13	19	19	09	08	89.47	01
	2013-14	12	12	09	03	100	--

27. **Diversity of Students**

Name of the Course	% of the Students from the same state	% of the Students from the other state	% of the Students from abroad
2010-11	100	--	--
2011-12	100	--	--
2012-13	89.5	10.5	--
2013-14	100	--	--

28. **How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc:** NIL

29. **Student progression:** NA

Student Progression	Against % Enroll
UG to PG	22.9 from 2010-14.
PG to M.Phil	NA
PG.to Post-Doctoral	NA
Employed <ul style="list-style-type: none"> <li>• Campus Selection</li> <li>• Other than campus recruitment</li> </ul>	NA NA
Entrepreneurship or self employment	NA

30. **Details of Infrastructural facilities**

- a) **Library :** Available with 30 books ; 110 Personal Collection of Dr.P.T.Hanamgond; >40 (books, journals, dissertations) Donated by Mrs. Puranik.; E-resources/E-books/Encyclopedia/Research papers downloaded from free sources > 2000 (Collection by Dr.P.T.Hanamgond).
- b) **Internet facilities for Staff & Students:** Available
- c) **Class rooms with ICT facility:** Smart Board connection Available
- d) **Laboratories:** 02 Labs, 01 Museum & a Research Laboratory

31. **Number of students receiving financial assistance from college, university, Government or other agencies:**32. **Details on student enrichment programmes (special lectures / workshops /Seminar) with external experts: 08**33. **Teaching methods adopted to improve student learning:** Classroom teaching with ICT (Smart Board) using PPT's, web resources, photographs, movie clips, charts and models; Students are given tasks for home assignments, group discussions. After every topic is completed few minutes Brain Storming is conducted for recap.34. **Participation in Institutional Social Responsibility (ISR) and Extension activities:** Yes in NSS and Youth Red Cross Society.

**35. SWOC (Strength, Weaknesses, Opportunities & Challenges) analysis of the department and Future plans:**

<b>Strength</b>	<b>Weaknesses</b>
<ol style="list-style-type: none"> <li>1. Qualified staff.</li> <li>2. Major Research Projects &amp; publications</li> <li>3. Conducted Several National Seminars/workshops</li> <li>4. Excellent laboratory facility (for students &amp; Research)</li> <li>5. Several MoU's</li> <li>6. Several research collaborations</li> <li>7. Regular study tours.</li> </ol>	<ul style="list-style-type: none"> <li>• Less number of students seeking admissions as the subject is taught only for B.Sc.</li> <li>• Only college having Geology subject under RC University, hence do not provide PG and Research guidance</li> <li>• Average students taking admissions</li> <li>• No new recruitment (at present only one permanent faculty)</li> </ul>
<b>Opportunities</b>	<b>Challenges</b>
<ol style="list-style-type: none"> <li>1. Start add on Certificate courses such as Gemology, Remote Sensing Applications, Hydrogeology.</li> <li>2. Start online course on "Mineral &amp; Ore Identifications" mainly for Ayurveda Mahavidyalaya students.</li> </ol>	<ul style="list-style-type: none"> <li>• Upgrade the students' abilities and skills as they have not studied the subject at PU level.</li> </ul>

**Future Plans:**

22. Continue the display of monthly teaching plan
23. Encourage students and staff participation in Seminar/workshops.
24. Project work for students.
25. Addition of audio-visual Educational aids like CD's and models.
26. Arrange talks by eminent speakers and educationists.
27. Organise National and State level seminars/workshops.
28. Arrange Field and Industrial visits.
29. Conduct Quizzes and Olympiads.
30. Conduct Exhibitions.
31. Apply for major research projects.
32. Motivate Society Employees to Ph.D research.
33. Encourage students to present Posters based on media resources.
34. Organising Khanij Bridge Course for Ayurveda Mahavidyalaya students.

## Chemistry Department

1. Name of the department: **Chemistry**
2. Year of Establishment: **1966**
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., and Integrated Masters; Integrated Ph.D., etc.): **UG – PG- in Organic Chemistry (self financed)**
4. Names of Interdisciplinary courses and the departments/units involved: **NIL**
5. Annual/ semester/choice based credit system (programme wise): **UG – Semester; PG – Semester with choice based credit system**
6. Participation of the department in the courses offered by other departments: **NIL**
7. Courses in collaboration with other universities, industries, foreign institutions, etc.: **NIL**
8. Details of courses/programmes discontinued (if any) with reasons: **NIL**
9. Number of teaching posts

Designation	Sanctioned	Filled
Professor	-	-
Associate Professor	-	06
Assistant Professor	11	04

10. Faculty profile with name, qualification, designation, specialization, (D.Sc. /D.Litt. /Ph.D. / M. Phil. etc.)

Name	Qualification	Designation	Specialization	No. Of years of experience	No. Of Ph.D students for the last 4 years
<b>UG Staff</b>					
Dr.R.G. Menon	Ph.D.	Asso. Prof.	Org. Chemistry	36	Nil
Prof.K.M. Kotraswamy (Retiring on 31 May 2015)	M.Sc., M.Phil.	Asso. Prof.	Org. Chemistry	36	Nil
Prof. R.V. Jannu (Retired on 31 Jan 2015)	M.Sc.	Asso. Prof.	Inorg. Chemistry	33	Nil
Prof. B.D. Kolkar (Retired on 31 May 2012)	M.Sc.	Asso. Prof.	Inorg. Chemistry	30	Nil
Prof. (Mrs.) M.S. Deshpande	M.Sc.	Asso. Prof.	Org. Chemistry	27	Nil

Prof. A.K. Samant	M.Sc.	Asso. Prof.	Inorg. Chemistry	24	Nil
Dr.S.M. Deshpande	Ph.D.	Asso. Prof.	Phy.Chemistry	17	Nil
Dr.S.G. Adoor	Ph.D.	Asst.Prof.	Phy.Chemistry	06	Nil
Dr. V.A. Sunagar	Ph.D.	Asst.Prof.	Org. Chemistry	06	Nil
Prof. (Mrs.) A.R. Chitnis	M.Sc.	Asst. Prof.	Biochemistry	06	Nil
Prof.R.T. Katamble	M.Sc., MPhil	Asst. Prof.	Inorg. Chemistry	08	Nil
<b>PG Staff</b>					
Dr.(Ms.) Tasneem Taj	Ph.D.	--	Org. Chemistry	02	Nil
Dr. (Ms.) R.V. Shenoy	Ph.D.	--	Inorg. Chemistry	01	Nil
Prof. (Ms.) S.R. Patil	M.Sc.	--	Org. Chemistry	02	Nil

## 11. List of senior visiting faculty: for PG

- 1 Dr. (Mrs.) B.V. Badami
- 2 Dr. L.D. Basanagoudar
- 3 Dr. G.C. Kulkarni
- 4 Prof. Chetan Prabhu
- 5 Dr. (Mrs.) M.M. Kulkarni
- 6 Prof. Phatarphekar
- 7 Dr. B.B. Bahule
- 8 Dr. V.P. Vaidya
- 9 Prof.A.K. Shenvi
- 10 Dr. N.B. Mallur
- 11 Dr. K.S. Rane
- 12 Prof. Roopa Samant,

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: UG – Nil  
PG - 100% (by Society appointed faculty members and supported by UG faculty members with guest faculty members)

13. Student -Teacher Ratio (programme wise): UG – 76 : 1, PG – 20 : 1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled 01 – Clerk in PG (self financed)

15. Qualifications of teaching faculty with DSC/ D.Litt/ Ph.D/ MPhil / PG.:  
Ph.D. – 04 (UG) and 02 (PG), M.Phil – 02, PG – 06 in UG and 01 in M.Sc. sectio

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received

Name	Grant (in Lacs)	Funding Agency
Dr.S.G. Adoor	24.3	DST, New Delhi
Dr.S.M. Deshpande	0.80	UGC, New Delhi
Dr.V.A. Sunagar	1.5	UGC, New Delhi
Prof. K.M. Kotraswamy	1.0	UGC, New Delhi
Prof.R.T. Katamble	5.0	UGC, New Delhi

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: NIL

18. Research Centre /facility recognized by the University: NO

19. Publications:

\* Publication per faculty: -

- Number of papers published in peer reviewed journals (national /international) by faculty and students 02 – International.
- Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
- Monographs - NIL
- Chapter in Books - NIL
- Books Edited - NIL
- Books with ISBN/ISSN numbers with details of publishers - NIL
- Citation Index - NIL
- SNIP - NIL
- SJR - NIL
- Impact factor – 3.38 (Average)
- h-index - NIL

20. Areas of consultancy and income generated: NIL

21. Faculty as members in:

- a) National committees b) International Committees c) Editorial Boards  
Dr.S.G. Adoor – in the Editorial Board of 'Indian Journal of Advances in Chemical Sciences'

22. Student projects

- a) Percentage of students who have done in-house projects including inter departmental/programme: Project for B.Sc. VI semester students (100%); Project for M.Sc. IV semester students (100%)  
b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies – 20%

## 23. Awards / Recognitions received by faculty and students:

Dr.S.G. Adoor:

- Recognition and appreciation certificate from American Chemical Society for working as a Reviewer for Research papers.
- Appreciation certificate for working as a Placement officer of the college.

## 24. List of eminent academicians and scientists / visitors to the Department:

Dr.T.M. Aminabhavi, Retd. Prof., Karnatak University, Dharwad

Dr. M.V. Badiger, NCL, Pune

Dr.A. Venkataraman, Professor, Gulbarga University, Gulbarga

Dr. Natu, IISER, Pune

Dr.G.U. Kulkarni, Dr. Shivaprasad, Dr. Govindraju and Dr. Subi Jacob George JNCASR, Bangalore,

Dr. Bhat, IISER, Pune

Dr. V.K. Naik, CMD, Tulip Industries, Goa

Dr. D.N. Misale, B.K. College, Belgaum

Dr. S.U. Kulkarni, Head R&amp;D, DOW Chemicals, Pune

25. Seminars/ Conferences/Workshops organized & the source of funding:  
A state level seminar on 'Advances in Polymer Materials' held on 31 January 2014.

## 26. Student profile programme/course wise:

Name of the course and year	Applications received	Selected	Enrolled		Pass percentage
			Male	Female	
<b>B.Sc.</b>					
2010-11	231	231	113	109	56.27
2011-12	204	204	86	91	40.6
<b>M.Sc.</b>					
2010-11	24	24	17	07	66.67
2011-12	23	23	12	09	47.62
2012-13	30	30	13	17	63.33

\*M= Male \*F= Female



## 27. Diversity of Students:

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B.SC			
2010-11	97.4	2.6	-
2011-12	95.09	5.01	-
2012-13	96.42	3.58	-
2013-14	94.63	5.37	-
2014-15	95.32	4.68	-

## 28. How many students have cleared national and state competitive examinations such as

NET, SLET, GATE, Civil services, Defence services, etc:

## 29. Student progression

Student Progression	Against % Enroll
UG to PG	51% (2009 to 2014)
PG to M.Phil	
PG.to Post-Doctoral	
Employed <ul style="list-style-type: none"> <li>• Campus Selection</li> <li>• Other than campus recruitment</li> </ul>	
Entrepreneurship or self employment	

## 30. Details of Infrastructural facilities

- a) Library: 477 books for PG (All UG books are available in Main Library)
- b) Internet facilities for Staff & Students: Available
- c) Class rooms with ICT facility: Available (01)
- d) Laboratories: UG and PG together – 06, Project laboratory for students – 01

## 31. Number of students receiving financial assistance from college, university, Government or other agencies: For PG, through bank (Educational loan).

## 32. Details on student enrichment programmes (special lectures / workshops / Seminar) with external experts:

**October 2010:**

- Noted Polymer Scientist Dr. T.M. Aminabhavi delivered a lecture on “A journey from electron discovery to polymer”.

**September 2011:**

- Dr. V.K. Naik, CMD, Tulip Industries, Goa, spoke on the subject ‘Applications of Chemistry in Diagnostics’ and Dr. M.V. Badiger, Scientist NCL, Pune, gave a lecture on ‘Plastics in the service of man’.
- Dr. G.V. Kulkarni, Dr. S.M. Shivaprasad, Dr. Govindraju and Dr. Subi Jacob George, Scientists of JNCASR, Bangalore, delivered lectures on various topics

**October 2011:**

- A lecture by Dr. S.U. Kulkarni, Head R&D, DOW Chemicals, Pune, was conducted.

**February 2013:**

- Dr. D.N. Misale, B.K. College, Belgaum, spoke on the topic ‘carbon credit and carbon footprints’.
- Sri. V.S. Sarode, Project Associate, District Science Centre, Belgaum, delivered a lecture on the topic ‘Urban solid waste management’.

33. Teaching methods adopted to improve student learning:  
Apart from regular usage of black board, the use of Models, charts, OHP and LCD projector are made for effective teaching.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

**a) Invited as guest/judge/resource person:****Prof. A.K. Samant:**

- Resource person for PUC workshop in R.L.S. College, Belgaum, organized by PU Board, Bangalore.
- Worked as Judge for science competitions. KLE Engineering College Belgaum 1<sup>st</sup> March 2013.
- Worked as a judge for various science exhibitions (2011-13)

**Dr. S.G. Adoor:** Worked as Judge for science competitions. KLE Engineering College Belgaum 1<sup>st</sup> March 2013.

**35. SWOC (Strength, Weaknesses, Opportunities & Challenges) analysis of the department and Future plans**  
**Strength:**

Well equipped laboratories.

Dedicated teaching and non-teaching.

Spacious and well ventilated class rooms.

Research Projects (1 Major & 4 Minor)

**Weakness:**

High students-teachers ratio (76 : 1)

Opportunity:

Further strengthening in research and consultancy

To interact with society through extension activities.

**Challenges:**

To manage good governance and teaching with high students-teachers ratio:(76 :1)

## Physics Department

1. Name of the department: Physics
2. Year of Establishment: 1966
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., and Integrated Masters; Integrated Ph.D., etc.): Undergraduate.
4. Names of Interdisciplinary courses and the departments/units involved: NIL
5. Annual/ semester/choice based credit system (programme wise): Semester
6. Participation of the department in the courses offered by other departments: NIL
7. Courses in collaboration with other universities, industries, foreign institutions, etc.: NIL
8. Details of courses/programmes discontinued (if any) with reasons: NIL
9. Number of teaching posts

	Sanctioned	Filled
Professors	NIL	NIL
Associate Professors	08	02
Asst. Professors	08	02

10. Faculty profile with name, qualification, designation, specialization, (D.Sc. /D.Litt. /Ph.D. / M. Phil. etc.)

Name	Qualification	Designation	Specialization	No. of years of experience	No. of Ph.D students for the last 4 years
Mrs. M.M.Shanbhag (Retd on Superannuation 31 July 2012)	M.Sc.	Asso. Prof.	Solid State Physics	36	NIL
Shri. D.P.Deshpande (Retd on superannuation 30 Sept 2013)	M.Sc.	Asso. Prof.	Solid State Physics	37	NIL
Shri. N.R.Malagi	M.Sc.	Asso. Prof.	Electronics	35	NIL
Shri. S.E.Anantha	M.Sc.	Asso. Prof.	Electronics	35	NIL
Shri. S.J.Kusagundi	M.Sc.	Asso. Prof.	Spectroscopy	34	NIL

Name	Qualification	Designation	Specialization	No. of years of experience	No. of Ph.D students for the last 4 years
Dr. N.D.Hegde	M.Sc., Ph.D.	Asso. Prof.	Nuclear Physics	25	NIL
Shri. S.K.Hukkeri	M.Sc., M.Phil.	Asso. Prof.	Solid State Physics	25	NIL
Mrs. S.V.Kulkarni	M.Sc.	Asso. Prof.	Nuclear Physics	25	NIL
Shri. B.M.Topinkatti	M.Sc.	Asso. Prof.	Nuclear Physics	21	NIL
Dr. S.S.Kalgi	M.Sc., Ph.D.	Asso. Prof.	Electronics	17	NIL
Mrs. L.S.Laxmeshwar	M.Sc., M.Phil.	Asst. Prof	Electronics	11	NIL
Shri. P.S.Patil	M.Sc., M.Phil.	Asst. Prof	Nuclear Physics	08	NIL

11. List of senior visiting faculty: NIL
12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: NIL
13. Student -Teacher Ratio (programme wise): 50:1
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: NIL
15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG: Ph.D., M.Phil. & PG.

Highest Qualification	Number of Faculty
D.Sc.	NIL
D.Litt.	NIL
Ph.D.	02
M.Phil.	03
P.G.	07

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: 02 National (UGC) , 1. Dr.S.S.Kalagi, Grant Received: Rs. 02:00 Lakh. 2. Prof. S.K.Hukkeri, Grant sanctioned Rs. 05.00 Lakhs. yet to be received

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: - UGC Rs.2,00,000/-.

18. Research Centre /facility recognized by the University: NO

19. Publications:

- Publication per faculty:
  - a) Dr. N.D.Hegde (02 in International Journals)
  - b) Dr. S.S.Kalagi ( 08 in International Journals)
  - c) Mrs. L.S. Laxmeshwar (01 in National Journal)
  - d) Mr. S. K. Hukkeri (01 in National Journal)
- Number of papers published in peer reviewed journals (National /International) by faculty and students: 12
- Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.): 18
- Monographs: NIL
- Chapter in Books: NIL
- Books Edited: NIL
- Books with ISBN/ISSN numbers with details of publishers:
  - Citation Index : Dr. N.D.Hegde 304
  - SNIP
  - SJR
  - Impact factor: 3.12
  - h-index: 07+07.

20. Areas of consultancy and income generated: NIL

21. Faculty as members in

- a) National committees: NIL
- b) International Committees: NIL
- c) Editorial Boards: NIL

22. Student projects

- a) Percentage of students who have done in-house projects including inter departmental/programme: : 02% (10 Student Projects out 650 students for 05 Years)
- b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: 01%.

23. Awards / Recognitions received by faculty and students:

Miss. Ashwitha Nayak 2<sup>nd</sup> Rank to RC University at B.Sc. 2012-13

Prof.B.M.Topinkatti, has received a letter of appreciation from Rani Channamma University, Belagavi, for designing the examination schedule for the years 2013-15.

24. List of eminent academicians and scientists / visitors to the Department:

- Dr. Jayannavar A.M. , Senior Scientist & Bhatnagar Awardee, Theoretical Physics Institute, Bhuvanaeshwar (Odisha).

25. Seminars/ Conferences/Workshops organized & the source of funding:

a) National: Workshop on ( Matlab and its Applications) on 17<sup>th</sup> and 18<sup>th</sup> January 2014 , funded by UGC

c) International: NIL

26. Student profile programme/course wise:NIL

Name of the Course/ Programme	Applications Recieved	Selected	Enrolled		Pass percentage
			*M	*F	
B.Sc. (PCM, PMG & PMCom)	250	185	91	94	97.30 %
	273	190	110	80	100.00%
	238	176	98	78	96.16%

\*M= Male

\*F= Female

27. Diversity of Students:

Name of the Course	Year	% of the Students from the same state	% of the Students from the other state	% of the Students from abroad
B.Sc. (PCM, P.M.G. & P.M.Com.)	2009-10	96.70	03.20	-
	2010-11	95.30	04.70	-
	2011-12	96.00	04.00	-
	2012-13	95.37	04.63	-
	2013-14	96.30	03.70	-
	2014-15	96.10	03.90	-

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc: N.A.

29. Student progression: Not Available

Student Progression	Against % Enroll
UG to PG	
Year	Against % Enrolled
	UG to PG   Other Courses

	(M.Sc., M.C.A., MBA ect...)	(B.Ed., LLB Ect..)
2009-10	43.29	21.64
2010-11	40.47	20.20
2011-12	45.13	17.36
2012-13	31.42	20.42
2013-14	17.60	05.60
PG to M.Phil	-	-
PG.to Post-Doctoral	-	-
Employed <ul style="list-style-type: none"> <li>• Campus Selection</li> <li>• Other than campus recruitment</li> </ul>	-	-
Entrepreneurship or self employment		

### 30. Details of Infrastructural facilities

- a) Library : 299 Books
- b) Internet facilities for Staff & Students: 02
- c) Class rooms with ICT facility: 01
- d) Laboratories: 03.

### 31. Number of students receiving financial assistance from college, university, Government or other agencies: 06

- Organized a Workshop for High School Science Teachers from 4<sup>th</sup> to 9<sup>th</sup> Nov. 2009
- Organized two DST sponsored Inspire Internship Winter Science Camp for PU students during November 2011 and 2012
- Organized a workshop for Physics Teachers on Computer Interfaced Physics Experiments using 'ExpEYES' on 29<sup>th</sup> Dec. 2012
- Organized a Workshop on 'SKY WATCH' on 18th December 2012 through "Galileo-Club" of GSS College, Belgaum
- Organized a Film show 'The Genius of Srinivasa Ramanujan' produced by Vigyan Prasar, New Delhi in association with IISER, Pune on 29<sup>th</sup> April 2013
- Organized a UGC sponsored Two-Day National Workshop on 'Matlab and its Applications' on 17<sup>th</sup> and 18<sup>th</sup> January 2014.

### 32. Details on student enrichment programmes (special lectures / workshops /Seminar) with external experts:

- Conducted 02 Enrichment and 02 Remedial lectures per semester.



- Adopted ‘Open Book Test’ as an innovative method.
- Group Discussion and Viva –voce during practical classes conducted

33. Teaching methods adopted to improve student learning:

- Conducted 02 Enrichment and 02 Remedial lectures per semester.
- Adopted ‘Open Book Test’ as an innovative method.
- Group Discussion and Viva –voce during practical classes conducted

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

- Organized a Workshop for High School Science Teachers from 4<sup>th</sup> to 9<sup>th</sup> Nov. 2009
- Organized two DST sponsored Inspire Internship Winter Science Camp for PU students during November 2011 and 2012
- Organized a workshop for Physics Teachers on Computer Interfaced Physics Experiments using ‘ExpEYES’ on 29<sup>th</sup> Dec. 2012
- Number of Faculty worked as resource persons for various workshops/seminars/conferences in other institutions : **08**

35. SWOC (Strength, Weaknesses, Opportunities & Challenges) analysis of the department and Future plans:

Strength	Weakness
<ul style="list-style-type: none"> <li>• All Permanent Teaching Faculty</li> <li>• Well equipped laboratories</li> <li>• Departmental Library</li> <li>• Great Demand for Physics as an optional subject from Students</li> <li>• Two Minor Research Projects ongoing and One completed.</li> <li>• Two Ph.D. holders and Two pursuing Ph.D.</li> </ul>	<ul style="list-style-type: none"> <li>• Limited Research Facility</li> <li>• Limited ICT Facility</li> <li>• Unable to meet this great demand for subject due to difficulty in appointing excess staff and additional laboratories.</li> </ul>

## Botany Department

1. Name of the department: **Botany**
2. Year of Establishment: **1966**
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., and Integrated Masters; Integrated Ph.D., etc.): **Undergraduate**
4. Names of Interdisciplinary courses and the departments/units involved: **NIL**
5. Annual/ semester/choice based credit system (programme wise): **Semester**
6. Participation of the department in the courses offered by other departments: **NIL**
7. Courses in collaboration with other universities, industries, foreign institutions, Etc.: **University**
8. Details of courses/programmes discontinued (if any) with reasons: **NIL**
9. Number of teaching posts

	Sanctioned	Filled
Professors	NIL	NIL
Associate Professors	NIL	NIL
Asst. Professors	NIL	NIL

10. Faculty profile with name, qualification, designation, specialization, (D.Sc. /D.Litt. /Ph.D. / M. Phil. etc.)

Name	Qualification	Designation	Specialization	No. Of years of experience	No. Of Ph.D students for the last 4 years
Prof.B.L.Majukar	M.Sc	Associate Prof.	Plant Biochemistry	26yrs	NIL
Prof. Y.B.Dalvi	M.Sc (SLET)	Assistant Prof.	Reproductive Physiology Morphogenesis	6 yrs	NIL
Dr.B.R.Sholapurmath	M.Sc/ M.Phil	Assistant Prof.	Sericulture	10yrs	NIL
Prof.P.M.Bhat	M.Sc	Assistant Prof.	Biotech & Tissue culture	7yrs	NIL

11. List of senior visiting faculty: **NIL**
12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: **20%**
13. Student -Teacher Ratio (programme wise): **46:1**

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: NIL
15. Qualifications of teaching faculty with DSC/ D.Litt/ Ph.D/ MPhil / PG.:  
PG.:3 M.Phil:1
16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: National: 1, International: NIL
17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: UGC
18. Research Centre /facility recognized by the University: NIL
19. Publications:
  - \* Publication per faculty
  - \* Number of papers published in peer reviewed journals (National /International) by faculty and students: 1
  - \* Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Data Database - International Social Sciences Directory, EBSCO host, etc.)
    - Monographs: NIL
    - Chapter in Books: NIL
    - Books Edited: NIL
    - Books with ISBN/ISSN numbers with details of publishers
    - Citation Index: NIL
    - SNIP: NIL
    - SJR: NIL
    - Impact factor: NIL
    - h-index: NIL
20. Areas of consultancy and income generated: Effluent treatment plants: 70,000
21. Faculty as members in: NIL
  - a) National committees: NIL
  - b) International Committees: NIL
  - c) Editorial Boards: NIL
22. Student projects
  - a) Percentage of students who have done in-house projects including inter departmental/programme: 100% (All students of V semester have done projects at Polyhydron.Pvt.Ltd on ETP plants, 2013-14)
  - b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: NIL

23. Awards / Recognitions received by faculty and students: Prof B.L.Majukar received appreciation for his consultancy services by Tata Motors Morcopolo
24. List of eminent academicians and scientists / visitors to the Department:
- Vice chancellor Dr.S.B.Dandin, Horticulture University Bagalkot
  - Dr.Rajaram Gurav, Associated Prof., Shivaji University Kolhapur
  - Gopi Sundar Intrnational Crane Foundation, USA
25. Seminars/ Conferences/Workshops organized & the source of funding:
- a) National seminar: 01  
Multi utility plants for aforestration
- b) Workshops: Nil
- b) International: NIL
26. Student profile programme/course wise: NA

Name of the Course/ Programme	Applications Recieved	Selected	Enrolled		Pass percentage
			*M	*F	
B. Sc. I (2009-10)	36	36	16	20	84.85%
B. Sc. I (2010-11)	74	74	26	48	80.88%
B. Sc. I (2011-12)	69	69	23	46	39.34 %
B. Sc. I (2012-13)	74	74	25	49	69.44%
B. Sc. I (2013-14)	93	93	28	65	87.10%
B. Sc. I (2014-15)	74	74	30	44	Not available

\*M= Male \*F= Female

27. Diversity of Students:

Name of the Course	% of the Students from the same state	% of the Students from the other state	% of the Students from abroad
B. Sc. I (2009-10)	100	-	-
B. Sc. I (2010-11)	100	-	-
B. Sc. I (2011-12)	100	-	-
B. Sc. I (2012-13)	99	01	-
B. Sc. I (2013-14)	100	-	-
B. Sc. I (2014-15)	100	-	-

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil/Defence services, etc: NA

## 29. Student progression

Student Progression	Against % Enroll
UG to PG	22%
PG to M.Phil	
PG.to Post-Doctoral	
Employed <ul style="list-style-type: none"> <li>• Campus Selection</li> <li>• Other than campus recruitment</li> </ul>	
Entrepreneurship or self employment	

## 30. Details of Infrastructural facilities

- a) Library: Available
- b) Internet facilities for Staff & Students: Available
- c) Class rooms with ICT facility: Available
- d) Laboratories: Available

31. Number of students receiving financial assistance from college, university, Government or other agencies:

32. Details on student enrichment programmes (special lectures / workshops / Seminar) with external experts: Prof. S.Y.Prabhu

33. Teaching methods adopted to improve student learning: Charts, Smart boards, Internet facility

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

**Youth Red Cross Society:**

- 1 Medical camp conducted in Hemadaga(2010)
- 2 Medical camp conducted in Kapoli(2011)
- 3 Medical camp conducted in Manturga(2013)
- 4 Promotion of organic farming at Ninganhatti(2012)
- 5 Promotion of organic farming at Handignur(2013)
- 6 Women Empowerment at Kadoli ( devgiri)

35. SWOC (Strength, Weaknesses, Opportunities & Challenges) analysis of the department and Future plans:

Strength: 1) 4 senior faculty, one persuing Ph.D.

- 2) PG Department commencing from June 2015
- 3) Good botanical garden with rare species

Weakness: Lack of PG department in RCU sofar

Opportunities: Expect ample growth in PG and Research studies.

Challenges: Lack of employment opportunities.

## Mathematics Department

1. Name of the department: **Mathematics**
2. Year of Establishment: **1966**
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., and Integrated Masters; Integrated Ph.D., etc.): **Undergraduate**
4. Names of Interdisciplinary courses and the departments/units involved: **NIL**
5. Annual/ semester/choice based credit system (programme wise): **Semester**
6. Participation of the department in the courses offered by other departments: **NIL**
7. Courses in collaboration with other universities, industries, foreign institutions, Etc.: **NIL**
8. Details of courses/programmes discontinued (if any) with reasons: **NIL**
9. Number of teaching posts

	Sanctioned	Filled
Professors	Nil	Nil
Associate Professors	01	Nil
Asst. Professors	04	03 Society Employees

10. Faculty profile with name, qualification, designation, specialization, (D.Sc. /D.Litt. /Ph.D. / M. Phil. etc.)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D students Guided For last 4 years
A.P. Deshpande Rtd on 31 July 2011	M.Sc.	Associate Professor	Topology	35	-
Smt.M. Satyanarayana Rtd on 31 Jan 2013	M.Sc	Associate professor	Topology	36	-
Dr. K.S. Naik Rtd on 30 Jun 2012	Ph. D	Associate professor	Differential Geometry	32	-
S.S.Hegde Rtd on 31 May 2012	M.Sc	Associate Professor	Graph Theory	32	-
S.R.Tagare Rtd on 28 Feb 2013	M.Sc	Associate Professor	Topology	29	-
M. S. Nagasuresh	M.Sc SLET	Associate professor	Graph Theory	16	-
Smt. V V Kamanuri	M.Sc M.Phil	Society Employee	-	02	-

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D students Guided For last 4 years
Miss R D Godbole	M.Sc	Society Employee	-	01	-
Miss Stella E Lobo	M.Sc	Society Employee	-	01	-

11. List of senior visiting faculty: NIL
12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: 75%
13. Student -Teacher Ratio (programme wise): 137 : 1
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: NIL
15. Qualifications of teaching faculty with DSC/ D.Litt/ Ph.D/ MPhil / PG.: 01 Ph.D., 01 M.Phil, 07 P.G.
16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: National: 1, International: NIL
17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: NIL
18. Research Centre /facility recognized by the University: NO
19. Publications: NIL
  - \* Publication per faculty
  - \* Number of papers published in peer reviewed journals (National /International) by faculty and students:
  - \* Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Data Database - International Social Sciences Directory, EBSCO host, etc.) . NIL
    - Monographs: NIL
    - Chapter in Books: NIL
    - Books Edited: NIL
    - Books with ISBN/ISSN numbers with details of publishers
    - Citation Index: NIL
    - SNIP: NIL
    - SJR: NIL
    - Impact factor: NIL
    - h-index: NIL

20. Areas of consultancy and income generated: NIL
21. Faculty as members in: NIL
- National committees: NIL
  - International Committees: NIL
  - Editorial Boards: NIL
22. Student projects
- Percentage of students who have done in-house projects including inter departmental/programme: NIL
  - Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: NIL
23. Awards / Recognitions received by faculty and students:  
AshwithaNayak, III Rank to Rani Channamma University during 2011 – 2012.  
Prof.M.S.Nagsuresh, has received a letter of appreciation from Rani Channamma University, Belagavi, for designing the examination schedule for the years 2013-15.
24. List of eminent academicians and scientists / visitors to the Department:
- Prof. S.S. Bhoosnurmath, Rtd. Professor, K.U.D
  - Prof. P.G.Siddeshwar, Bangalore University.
  - Prof. A. K. Nandkumar, IISC, Bangalore.
  - Prof. M.S.Choudhary, Shivaji University, Kolhapur.
  - Prof. Vidyasagar, Assist. Prof. R.C.U
  - Dr. P. Reddy, Bellary.
  - Prof. L.N. Katkar, Shivaji University, Kolhapur.
25. Seminars/ Conferences/Workshops organized & the source of funding:
- National:
    - UGC sponsored National Seminar on “Partial Differential Equations and its Application” on 19 – 20 August 2011. 92 Delegates, 72 Teachers & 14 Students.
    - UGC – CSIR sponsored ‘Three day Workshop ‘ for NET / SLET aspirants in association with Department of Mathematics, Rani Channamma University, Belgaum.14 Aspirants participated in the programme
  - International: NIL



## 26. Student profile programme/course wise:

Sl	Name of the Course/programme(refer question no. 4)	Applications received	Selected	Enrolled		Pass%
				Male	Female	
	B.Sc (2009-10)	185	185	86	99	90.45
	B.Sc (2010-11)	198	198	108	90	89.68
	B.Sc (2011-12)	157	157	85	72	77.70
	B.Sc. (2012-13)	155	155	87	68	87.50
	B.Sc. (2013-14)	190	190	89	91	77.40

## 27. Diversity of Students:

Name of the Course	Academic year	% of students from the states	% of students From other states	% of students From abroad
B.Sc I	2009 - 2010	96.63	3.37	---
B.Sc I	2010 - 2011	95.59	4.41	---
B.Sc I	2011 - 2012	96.7	3.30	---
B.Sc I	2012 - 2013	54.41	5.59	---
B.Sc I	2013 - 2014	96.43	3.57	---

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc: NIL

## 29. Student progression

Student progression	Academic year	B.Ed	M.Sc	M.C.A	Law	Total	Against % enrolled
UG to PG	2009-2010	9	5	1	--	15	8.43
	2010-2011	17	22	10	6	55	26.96
	2011-2012	30	14	16	2	62	34.07
	2012-2013	36	34	9	--	79	44.13
	2013-2014	7	19	2	--	28	14.29
PG to M.Phil.							---
PG to Ph.D.							---
Ph.D. to Post-Doctoral							---
• Other than campus recruitment							---
Entrepreneurship/Self-employment							---

**Employed**• **Campus selection**

Organisation	2010-11	2011-12	2012-13	2013-14	2014-15
WIPRO	11	17	05	05	01
TCS	--	03	02	02	--
iGATE	01	01	04	--	--
L & T	--	02	03	--	--
SAP	--	01	--	--	--
WIPRO BPO	02	02	--	--	--

## 30. Details of Infrastructural facilities

- a) Library Departmental library has more than 100 reference books and more than 50 e – books.
- b) Internet facilities for Staff & Students: Available
- c) Class rooms with ICT facility: Available on sharing basis
- d) Laboratories: Depart is having ‘Matlab’ with Mathematical models.

## 31. Number of students receiving financial assistance from college, university,

Government or other agencies:

2009-10: 54 = 1,64,702/-

2010-11: 61 = 2,29,245/-

2011-12: 83 = 2,54,312/-

2012-13: 140 = 3,70,420/-

2013-14: 88 = 3,26,811/- (Total Rs.13,45,490/-)

## 32. Details on student enrichment programmes (special lectures / workshops / Seminar) with external experts: NIL

## 33. Teaching methods adopted to improve student learning: Group discussion, Student Seminar

## 34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

**Prof. Nagasuresh M.S:**

- Resource Person for ‘Work-Shop for PU II Mathematics Students’ on 9<sup>th</sup> January 2011.
- Resource Person for ‘Orientation Programme for P.U. College Lecturers at Jyoti PU College, Belgaum on 14<sup>th</sup> November 2011.
- Resource Person for ‘Work-Shop for PU II Mathematics Students’ on 7<sup>th</sup> January 2012.
- Resource Person for ‘Six days Refresher Course in Mathematics’ at S.K and H.S.K College, Hubli on 13<sup>th</sup> February 2012.
- Resource person for Orientation Programme on ‘Mathematics Made Easy’ for high School teachers at B.K. College, Belgaum

- on 8<sup>th</sup> October 2012.
- Guest for 'INFUZE's e – NOVA' conducted by KLESCET, Belgaum on 1<sup>st</sup> March 2013.
  - Resource person for 'High School Teachers Training Programme' at Shanti Niketan Public School, Khanapur on 10<sup>th</sup> September 2014.
  - Resource person for B.Sc students of Govt. First Grade College, Mudalgi, on 'Fundamentals of Real Analysis' on 3<sup>rd</sup> March 2014.
  - Guest for 'Mathematics Exhibition' at Gogte – Joglekar College, Ratnagiri, Maharastra on 9<sup>th</sup> January 2014.

**35. SWOC (Strength, Weaknesses, Opportunities & Challenges) analysis of the department and Future plans:**

STRENGTH	WEAKNESS
<ul style="list-style-type: none"> <li>• Experienced and qualified teaching staff</li> </ul>	<ul style="list-style-type: none"> <li>• Single permanent teaching staff</li> </ul>
<ul style="list-style-type: none"> <li>• Good student strength</li> </ul>	<ul style="list-style-type: none"> <li>• Attrition/floating - temporary staff.</li> </ul>
<ul style="list-style-type: none"> <li>• Good collection of books (Reference and e-books)</li> </ul>	<ul style="list-style-type: none"> <li>• Student – teacher ratio is quite large.</li> </ul>
<ul style="list-style-type: none"> <li>• Internet facility</li> </ul>	<ul style="list-style-type: none"> <li>• Restricted usage</li> </ul>
<ul style="list-style-type: none"> <li>• PG course available at RCU</li> </ul>	<ul style="list-style-type: none"> <li>• Limited seats available</li> </ul>
OPPORTUNITY	CHALLENGES
<ul style="list-style-type: none"> <li>• To prepare students to face global competency</li> </ul>	<ul style="list-style-type: none"> <li>• Improve the quality of students to face global competency</li> </ul>
<ul style="list-style-type: none"> <li>• To avail students an opportunity in learning other branches in applied mathematics</li> </ul>	<ul style="list-style-type: none"> <li>• Time- management during semester</li> </ul>
<ul style="list-style-type: none"> <li>• To inculcate research culture among students and junior staff</li> </ul>	<ul style="list-style-type: none"> <li>• To get dedicated temporary staff</li> </ul>
<ul style="list-style-type: none"> <li>• To promote students and staff to attend seminars and conference</li> </ul>	<ul style="list-style-type: none"> <li>• To get quality students to the field of basic Science</li> </ul>
	<ul style="list-style-type: none"> <li>• To improve admitted students of average ability</li> </ul>

**FUTURE PLAN:**

1. Work – shop on 'Real Analysis'.
2. A certificate course on 'Vedic Mathematics'.
3. Popularizing programmes on Mathematics.

## Zoology Department

1. Name of the department: Zoology
2. Year of Establishment: 1966
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., and Integrated Masters; Integrated Ph.D., etc.): UG
4. Names of Interdisciplinary courses and the departments/units involved: NIL
5. Annual/ semester/choice based credit system (programme wise): Semester
6. Participation of the department in the courses offered by other departments: NIL
7. Courses in collaboration with other universities, industries, foreign institutions, Etc. NIL
8. Details of courses/programmes discontinued (if any) with reasons
9. Number of teaching posts

	Sanctioned	Filled
Professors	-	-
Associate Professors	04	04
Asst. Professors		01 (Society Employee)

10. Faculty profile with name, qualification, designation, specialization, (D.Sc. /D.Litt. /Ph.D. / M. Phil. etc.)

Name	Qualification	Designation	Specialization	Years Of Experience	Ph.D. Students Guided Last 4 years
S. Y. Prabhu Retd 31 Oct 2013	M. Sc	Asso. Prof.	Marine Biology	38	NIL
Dr. V. A. Kupwade Retd 28 Feb 2014	M. Sc., Ph.D	Asso. Prof.	Reproductive Physiology	38	NIL
M. K. Vishweshwaraiah	M. Sc	Asso. Prof.	Fishery Biology	33	NIL
G. Usharani	M. SC	Asso. Prof.	Reproductive Physiology	37	NIL
A. A. Halgekar	M. Sc	Asso. Prof.	Environmental Biology	24	NIL
Pratibha. P. Naik	M. Sc	Asso. Prof.	Entomology	24	NIL

11. List of senior visiting faculty: NIL
12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: NIL
13. Student -Teacher Ratio (programme wise): 230/5 46:1
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: NIL
15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.: PG.: 04, Ph.D; 02
16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: Prof. A. A. Halgekar – Minor Research Project from UGC. Grant Received: Rs. 87, 500.00
17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: - NIL.
18. Research Centre /facility recognized by the University: NO
19. Publications:
  - Publication per faculty: NIL
  - Number of papers published in peer reviewed journals (national/ International)
  - by faculty and students: NIL
  - Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
  - Monographs
  - Chapter in Books
  - Books Edited
  - Books with ISBN/ISSN numbers with details of publishers
  - Citation Index
  - SNIP
  - SJR
  - Impact factor
  - h-index
20. Areas of consultancy and income generated:
21. Faculty as members in
  - a) National committees:

- b) International Committees  
 c) Editorial Boards:
22. Student projects
- a) Percentage of students who have done in-house projects including inter departmental/programme:  
 b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies:
23. Awards / Recognitions received by faculty and students:
24. List of eminent academicians and scientists / visitors to the Department:
25. Seminars/ Conferences/Workshops organized & the source of funding:  
 a) National: Organized National Seminar entitled “Western Ghats: A World Heritage”, sponsored by UGC, New Delhi, on 30<sup>th</sup> September and 1<sup>st</sup> October, 2013.  
 b) International: NIL
26. Student profile programme/course wise:

Name of the Course/ Programme	Applications Received	Selected	Enrolled		Pass percentage
			*M	*F	
B. Sc. I (2009-10)	36	36	16	20	84.85%
B. Sc. I (2010-11)	74	74	26	48	80.88%
B. Sc. I (2011-12)	69	69	23	46	39.34 %
B. Sc. I (2012-13)	74	74	25	49	69.44%
B. Sc. I (2013-14)	93	93	28	65	87.10%
B. Sc. I (2014-15)	74	74	30	44	Not Available

\*M= Male

\*F= Female

Name of the Course/ Programme	Pass percentage
B. Sc. III (2009-10)	100%
B. Sc. III (2010-11)	100%
B. Sc. III (2011-12)	100%
B. Sc. III (2012-13)	98.33%
B. Sc. III (2013-14)	94.5%
Average	97.67%

## 27. Diversity of Students

Name of the Course	% of Students From the Same State	% of Students From other States	% of Students From abroad
B. Sc. I (2009-10)	100	-	-
B. Sc. I (2010-11)	100	-	-
B. Sc. I (2011-12)	100	-	-
B. Sc. I (2012-13)	100	-	-
B. Sc. I (2013-14)	100	-	-
B. Sc. I (2014-15)	100	-	-

28. How many students have cleared national and state competitive examinations such as

NET, SLET, GATE, Civil services, Defence services, etc:

## 29. Student progression:

Student Progression	Year	Against % Enrolled
UG to PG	2009-10	46.67%
	2010-11	46.67%
	2011-12	62.07% (Amruta Khanolkar went to UK for PG)
	2012-13	69.84%
	2013-14	29.82%
PG to M.Phil		
PG to Ph.D		
Ph.D to Post-Doctoral		
<b>Employed</b>		
<ul style="list-style-type: none"> <li>• Campus Selection</li> <li>• Other than Campus Recruitment</li> </ul>		
Entrepreneurship/Self-employment		

## 30. Details of Infrastructural facilities

a) Library: No. Of Books - 92

- b) Internet facilities for Staff & Students: 01
- c) Class rooms with ICT facility: 01
- d) Laboratories: 03

31. Number of students receiving financial assistance from college, university,

Government or other agencies:

2009-10: 11 = 40,633/-

2010-11: 19 = 64,163/-

2011-12: 14 = 56,787/-

2012-13: 22 = 66,882/-

2013-14: 01 = 4048/- (Total Rs.2,32,513/-)

32. Details on student enrichment programmes (special lectures / workshops /Seminar) with external experts:

- a) Tiger awareness programme "**Know Your Tigers**" was conducted. Mr. Vasankar, Wild Life photographer and Wild Life guide in Kanha and Pench National Parks, was invited to deliver a talk on present status of Tigers in India.
- b) Organized National Seminar entitled "Western Ghats: A World Heritage", sponsored by UGC, New Delhi, on 30<sup>th</sup> September and 1<sup>st</sup> October, 2013. Convener/Organizer name: Prof (Smt). G. Usharani and Dr. V. A. Kupwade.

33. Teaching methods adopted to improve student learning:

Group discussion, use of LCD Projector, and charts during theory and practical classes.

Students were acquainted to various instruments related to Research during the visit to Regional Medical Research Center (RMRC), Belgaum.

Students are encouraged to undertake various projects to understand methodologies opted in research.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

35. SWOC (Strength, Weaknesses, Opportunities & Challenges) analysis of the department and Future plans:

Strength	Weakness
Well Experienced Faculty	No Research Facility
Well Equipped Laboratories	Less number of Permanent Staff
Departmental Library	No new recruitments for vacant



Rising tendency to take up Zoology as an optional subject One Minor Research Project ongoing	posts
<b>Opportunities</b>	<b>Challenges</b>
PG Course in Zoology, Microbiology may be started.  Guideship for M.Phil and Ph.D.  Certificate courses in Applied Zoology may be started.	Creating adequate Research Facility  To find time for the students for additional courses along with main course due to semester system  Bridging the Urban-Rural divide among the students (Socio-Economic factor, Language, Exposure to latest technology etc)

## Computer Science Department

1. Name of the department: Computer Science.
2. Year of Establishment: 1997-98
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., and Integrated Masters; Integrated Ph.D., etc.): Undergraduate.
4. Names of Interdisciplinary courses and the departments/units involved: NIL
5. Annual/ semester/choice based credit system (programme wise): Semester
6. Participation of the department in the courses offered by other departments: NIL
7. Courses in collaboration with other universities, industries, foreign institutions, Etc.: NIL
8. Details of courses/programmes discontinued (if any) with reasons: NIL
9. Number of teaching posts

	Sanctioned	Filled
Professors	--	--
Associate Professors	--	--
Asst. Professors	--	--
Society Appointees	--	04

10. Faculty profile with name, qualification, designation, specialization, (D.Sc. /D.Litt. /Ph.D. / M. Phil. etc.)

Name	Qualification	Designation	Specialization	No. of years of experience	Ph.D students last 4 years
Mrs.Surekha A Nerlikar	M.ScM.Phil, PGDCA	Lect.	HOD	12 Years	--
Mrs.Soniya S Chitti	MCA, M.Phil	Lect.	Lecturer	10 Years	--
Mrs. Sanam R Porwal	M.Sc	Lect.	Lecturer	04 Years	--
Shri. V R Kalasapur	MCA, M.Sc (IT), PGDC A	Lect.	Lecturer	03 Years	--

11. List of senior visiting faculty: NIL

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: 100%
13. Student -Teacher Ratio (programme wise): 47:1
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: NIL
15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG: 02 M.Phil. & 02(M.Sc., M.C.A.)..
16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: NIL
17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: - NIL
18. Research Centre /facility recognized by the University: NO
19. Publications: NIL
  - Publication per faculty:
  - Number of papers published in peer reviewed journals (National /International) by faculty and students:
  - Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.):
  - Monographs:
  - Chapter in Books:
  - Books Edited:
  - Books with ISBN/ISSN numbers with details of publishers:
  - Citation Index :
  - SNIP
  - SJR
  - Impact factor:
  - h-index:
20. Areas of consultancy and income generated: NIL
21. Faculty as members in
  - a) National committees: NIL
  - b) International Committees: NIL
  - c) Editorial Boards: NIL
22. Student projects

- a) Percentage of students who have done in-house projects including inter departmental/programme: :

Year	% of Students
2009-2010	NIL
2010-2011	NIL
2011-2012	35%
2012-2013	35%
2013-2014	50%

- b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies:  
NIL

23. Awards / Recognitions received by faculty and students: NIL

24. List of eminent academicians and scientists / visitors to the Department:  
NIL

25. Seminars/ Conferences/Workshops organized & the source of funding:  
NIL

- a) National: Workshop on ( Matlab and its Applications) on 17<sup>th</sup> and 18<sup>th</sup> January 2014 , funded by UGC  
c) International: NIL

26. Student profile programme/course wise:

Name of the Course/ Programme	Applications Recieved	Selected	Enrolled		Pass percentage
			*M	*F	
B.Sc. (CZCom, CGCom., & P.M.Com.)	250	185	91	94	97.30 %
	273	190	110	80	100.00%
	238	176	98	78	96.16%

\*M= Male

\*F= Female

## 27. Diversity of Students:

Name of the Course	Year	% of the Students from the same state	% of the Students from the other state	% of the Students from abroad
B.Sc. (CZCom, CGCom., & P.M.Com.)	2009-10	96.70	03.20	-
	2010-11	95.30	04.70	-
	2011-12	96.00	04.00	-
	2012-13	95.37	04.63	-
	2013-14	96.30	03.70	-
	2014-15	96.10	03.90	-

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc: NIL

1. Student progression: NIL

Student Progression	Against % Enroll
UG to PG	NA
PG to M.Phil	NA
PG.to Post-Doctoral	NA
Employed <ul style="list-style-type: none"> <li>• Campus Selection</li> <li>• Other than campus recruitment</li> </ul>	NA
Entrepreneurship or self employment	

Year	Against % Enrolled	
	UG to PG (M.Sc., M.C.A., MBA ect...)	Other Courses (B.Ed., LLB Ect..)
2009-10	43.29	21.64
2010-11	40.47	20.20
2011-12	45.13	17.36
2012-13	31.42	20.42
2013-14	17.60	05.60

## 30. Details of Infrastructural facilities

- a) Library : Yes
- b) Internet facilities for Staff & Students: Yes
- c) Class rooms with ICT facility: Yes
- d) Laboratories: 02.

31. Number of students receiving financial assistance from college, university, Government or other agencies:

32. Details on student enrichment programmes (special lectures / workshops /Seminar) with external experts:

Event Name	Theme	Resource Person	Date
Seminar	Micro mobile technology, e-commerce, cloud computing.	Mr. Kulkarni NIIT Belgaum	09/08/2014
Seminar	Computer hardware	Prof. SushantSundikar G.S.S BCA Belgaum	18/02/2014
Talk	A talk on “ATM Crime”	Mr. RajendraPai Belgaum.	11/03/2014
Exhibition	Computer Hardware	-	11/03/2014

33. Teaching methods adopted to improve student learning:

- Using LCD Projector.
- Playing videos on searching, sorting techniques.
- Playing videos on manufacturing of hard disk, ICs etc
- Self tutorial CDs on C ,C++.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

35. SWOC (Strength, Weaknesses, Opportunities & Challenges) analysis of the department and Future plans:

Strengths	Weakness
<ul style="list-style-type: none"> <li>• Highly qualified and competent staff.</li> <li>• Good quality of students.</li> <li>• Well-equipped labs.</li> <li>• ICT facility.</li> </ul>	<ul style="list-style-type: none"> <li>• Decline in the number of students.</li> <li>• No permanent teaching staff</li> </ul>
Opportunities	Challenges
<ul style="list-style-type: none"> <li>• To offer short term courses</li> </ul>	<ul style="list-style-type: none"> <li>• Opening of large number of BCA colleges</li> </ul>

## Hindi Department

1. Name of the department: **Hindi**
2. Year of Establishment: **1966**
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., and Integrated Masters; Integrated Ph.D., etc.): **UG**
4. Names of Interdisciplinary courses and the departments/units involved: **NIL**
5. Annual/ semester/choice based credit system (programme wise): **Semester**
6. Participation of the department in the courses offered by other departments: **NIL**
7. Courses in collaboration with other universities, industries, foreign institutions,  
Etc.: **NIL**
8. Details of courses/programmes discontinued (if any) with reasons: **NIL**
9. Number of teaching posts

	Sanctioned	Filled
Professors	-	-
Associate Professors	01	01
Asst. Professors	-	-

10. Faculty profile with name, qualification, designation, specialization, (D.Sc. /D.Litt. /Ph.D. / M. Phil. etc.)

Name	Qualification	Designation	Specialization	No. Of years of experience	No. Of Ph.D students for the last 4 years
Mrs. Sandhya S.Joshi	M.A	Asso. Prof.	Kavya Kavi- Suryakant Tripathi Nirlad	20yrs	NIL

11. List of senior visiting faculty: **NIL**
12. Percentage of lectures delivered and practical classes handled (programme

- wise) by temporary faculty: **NIL**
13. Student -Teacher Ratio (programme wise):
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: **NIL**
15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.: **NIL**
16. Number of faculty with ongoing projects from  
a) National b) International funding agencies and grants received: **NIL**
17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: **NIL**
18. Research Centre /facility recognized by the University: **NIL**
19. Publications:
- \* Publication per faculty
  - \* Number of papers published in peer reviewed journals (National /International) by faculty and students: **NIL**
  - \* Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Data Database - International Social Sciences Directory, EBSCO host, etc.)
    - Monographs: **NIL**
    - Chapter in Books: **NIL**
    - Books Edited: **NIL**
    - Books with ISBN/ISSN numbers with details of publishers
    - Citation Index
    - SNIP: **NIL**
    - SJR: **NIL**
    - Impact factor: **NIL**
    - h-index: **NIL**
20. Areas of consultancy and income generated: Identification of minerals and ores for Ayurvedic Medical Students and Teachers: **NIL**
21. Faculty as members in  
a) National committees: **NIL**  
b) International Committees: **NIL**  
c) Editorial Boards: **NIL**
22. Student projects  
a) Percentage of students who have done in-house projects including inter departmental/programme: **NIL**  
b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other



agencies: **NIL**

23. Awards / Recognitions received by faculty and students: **NIL**

24. List of eminent academicians and scientists / visitors to the Department: **NIL**

25. Seminars/ Conferences/Workshops organized & the source of funding: **NIL**

a) National: **NIL**

b) International: **NIL**

26. Student profile programme/course wise:

Name of the Course/ Programme	Applications Recieved	Selected	Enrolled		Pass percentage
			*M	*F	
2 <sup>nd</sup> Language 2014-15	119	119	64	55	

**\*M= Male \*F= Female**

27. Diversity of Students

Name of the Course	% of the Students from the same state	% of the Students from the other state	% of the Students from abroad
2 <sup>nd</sup> Language	100	-	-

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc: **NIL**

29. Student progression: **NA**

Student Progression	Against % Enroll
UG to PG	
PG to M.Phil	
PG.to Post-Doctoral	
Employed <ul style="list-style-type: none"> <li>• Campus Selection</li> <li>• Other than campus recruitment</li> </ul>	
Entrepreneurship or self employment	

30. Details of Infrastructural facilities:

a) Library: Available

- b) Internet facilities for Staff & Students: Available
- c) Class rooms with ICT facility: Nil
- d) Laboratories: NA

31. Number of students receiving financial assistance from college, university, Government or other agencies: **NIL**

32. Details on student enrichment programmes (special lectures / workshops / Seminar) with external experts: **NIL**

33. Teaching methods adopted to improve student learning:

34. Participation in Institutional Social Responsibility (ISR) and Extension activities: **NIL**

35. SWOC (Strength, Weaknesses, Opportunities & Challenges) analysis of the department and Future plans:

**Strength:** 1) Enough strength each year.

2) Good collection in the library

3) Tendency of Marathi students to choose Hindi as 2<sup>nd</sup> Language

**Weakness:** 1) Single Faculty department

2) Since it is a science college, students don't devote much time.

**Opportunities:** 1) To increase the enrollment

**Challenges:** None.

## Marathi Department

1. Name of the department: Marathi
2. Year of Establishment: 1966
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., and Integrated Masters; Integrated Ph.D., etc.):
4. Names of Interdisciplinary courses and the departments/units involved:  
NIL
5. Annual/ semester/choice based credit system (programme wise):  
Semester
6. Participation of the department in the courses offered by other departments: NIL
7. Courses in collaboration with other universities, industries, foreign institutions, etc.: NIL
8. Details of courses/programmes discontinued (if any) with reasons: NIL
9. Number of teaching posts

	Sanctioned	Filled
Professors	-	-
Associate Professors	01	01
Asst. Professors	-	-

10. Faculty profile with name, qualification, designation, specialization, (D.Sc. /D.Litt. /Ph.D. / M. Phil. etc.)

Name	Qualification	Designation	Specialization	No. of years of experience	No. of Ph.D students for the last 4 years
Prof.(Mrs). M Tarlekar	M.A.	Asso. Prof.	--	24 Years	--

11. List of senior visiting faculty: NIL
12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: NIL
13. Student -Teacher Ratio (programme wise): 136:1
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG
16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: NIL
17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: - NIL
18. Research Centre /facility recognized by the University:
19. Publications:
- Publication per faculty:
  - Number of papers published in peer reviewed journals (National /International) by faculty and students:
  - Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
  - Monographs:
    - i. Vyankatesh Madgulkar “Jeevan Ani Sahitya published and sponsored (Rs.12000/- )by Central Sahitya Akademi New Delhi April 2010.  
Isbn No. 978/81/260/2771/2, Pages: 1 – 62. 2013
    - ii. Project in Translation (Central Sahitya Akademi) (Hindi to Marathi).  
Monograph on Ramdhari singh “Dinkar”written by Vijendra Narayan Singh is translated by Prof. Meera Tarlekar in Marathi Published and sponsored (Rs.9000/-) by Central Sahitya Akademi, New Delhi – 2013 Isbn No. 978/81/260/4157/2, Pages: 1 – 100.
  - Chapter in Books:
  - Books Edited:
  - Books with ISBN/ISSN numbers with details of publishers \*  
Citation Index
- Books Published :**
- a) Mukta – Marathi epic poetry Mukta translated in English by Dr. Ashok Godbole- Published by Alokparva prakashan, New Delhi, 2009. Isbn No. 81/87416/82/3 Pages: 128
  - b) Galaritala Akash (Collection of essays) Akansha Prakashan – Nagpur 2009. Isbn. No. 81/903716/8/7 Pages: 112
  - c) Yashodhara - epic poetry published On 13 Sept 2010. By Abhinandan Prakashan. Pages: 1 - 80
  - d) Labasa-Ravindranath Tagore’s poetry Translated English to Marathi by me .(2<sup>nd</sup> edition) 13 sept 2010. By Abhinandan Prakashan. Pages: 1 – 64
  - e) Meerachi Niwadak Kavita “Atmanada” compilation of my selected poetry Published by Navsahitya book stall, Belgaum – 2011. Isbn No.978/81/920981/0/4 Pages: 1 – 157

- f) “Meera” Sahitya Prawas (completion of articles) about my literary works. Published by Gurukul Pratishthan, Pune 03.03.2012.  
Pages: 1 – 193
- g) Tekadinarcha Badam (collection of essays) Published by Manik Prakashan Kolhapur 2014. Pages: 1 - 196
- SNIP
  - SJR
  - Impact factor
  - h-index

20. Areas of consultancy and income generated: NIL

21. Faculty as members in

- a) National committees: Central Sahitya Academy, Delhi.  
b) International Committees:  
c) Editorial Boards:

22. Student projects

- a) Percentage of students who have done in-house projects including inter departmental/programme  
b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies:

23. Awards / Recognitions received by faculty and students:

- a) Late Mahadev Harekar smruti puraskar for my literary contributions. Gurukul Pratishthan, Pune. 2011.  
b) Suryodaya Kavya puraskar, for my poetry contributions. Suryodaya sarvsamaveshak mandal Jalgaon 2013.

24. List of eminent academicians and scientists / visitors to the Department:

- a) Dr. Hari Narake – 3<sup>rd</sup> October 2013.  
b) Smt. Kundatai Pradhan – 10<sup>th</sup> September 2014.

25. Seminars/ Conferences/Workshops organized & the source of funding:

- a) National: NIL  
b) International: NIL

26. Student profile programme/course wise:NIL

Name of the Course/ Programme	Applications Received	Selected	Enrolled		Pass percentage
			*M	*F	
2 <sup>nd</sup> Language 2014-15	86	86	46	40	

\*M= Male

\*F= Female

## 27. Diversity of Students: NIL

Name of the Course	% of the Students from the same state	% of the Students from the other state	% of the Students from abroad
2 <sup>nd</sup> Language	100	-	-

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc: NIL

## 29. Student progression: NIL

Student Progression	Against % Enroll
UG to PG	
PG to M.Phil	
PG.to Post-Doctoral	
Employed <ul style="list-style-type: none"> <li>• Campus Selection</li> <li>• Other than campus recruitment</li> </ul>	
Entrepreneurship or self employment	

## 30. Details of Infrastructural facilities

- a) Library : Yes
- b) Internet facilities for Staff & Students: Yes
- c) Class rooms with ICT facility: Nil
- d) Laboratories: NA

31. Number of students receiving financial assistance from college, university, Government or other agencies: Nil

32. Details on student enrichment programmes (special lectures / workshops /Seminar) with external experts: 03

33. Teaching methods adopted to improve student learning: Lecture Method

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

- Member: Marathi advisory Board Central Sahitya Academy (2008 to 2012).
- Article published in Journal “Adhunik Maharashtra Jadan – Ghandan” / “Shilpkar Charitkar – Charitakosh” about eminent writer Vyankatesh Madgulkar (Page No. 513 to 515).
- Invited as a Chief Guest for the workshop on “Flower Making” and “Candle Making” in Gogte College of Commerce, Belgaum on 14.10.2010.

- Delivered three speeches on the eminent writer Shri. B. B. Borker about his Novels, Poetry and Essays at Kolhapur Akashwani on 13.01.2011.
- “Felicitation for my entire literary work” by Vasant Vyakhyanmala Sanstha, Belgaum on 14.04.2011.
- Contributed a column ‘Kavade’ to pudhari daily every Thursday 2012.

35. SWOC (Strength, Weaknesses, Opportunities & Challenges) analysis of the department and Future plans:

**Strength:** 1) Noted Marathi poetess is the faculty

4) Enough strength each year.

5) Good collection in the library

6) Our College is Linguistic (Marathi) Minority

**Weakness:** 1) Single Faculty department

3) Since it is a science college, students don't devote much time.

**Opportunities:** 1) to increase the enrollment

**Challenges:** Tendency of Marathi students to choose Hindi as 2<sup>nd</sup> Language

## Sanskrita Department

1. Name of the department: Samskrita
2. Year of Establishment: 1966
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., and Integrated Masters; Integrated Ph.D., etc.): Undergraduate.
4. Names of Interdisciplinary courses and the departments/units involved: NIL
5. Annual/ semester/choice based credit system (programme wise): Semester
6. Participation of the department in the courses offered by other departments: NIL
7. Courses in collaboration with other universities, industries, foreign institutions, Etc.: NIL
8. Details of courses/programmes discontinued (if any) with reasons: NIL
9. Number of teaching posts

	Sanctioned	Filled
Professors	-	-
Associate Professors	01	01
Asst. Professors	-	-

10. Faculty profile with name, qualification, designation, specialization, (D.Sc. /D.Litt. /Ph.D. / M. Phil. etc.)

Name	Qualification	Designation	Specialization	No. of years of experience	No. of Ph.D students for the last 4 years
Dr. C. B. Joshi	M.A., Ph.D.	Asso. Prof.	--	28 Years	--

11. List of senior visiting faculty: NIL
12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: NIL
13. Student -Teacher Ratio (programme wise): 4:1
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: NIL
15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG: Ph.D., PG.



16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: NIL
17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: - NIL
18. Research Centre /facility recognized by the University: NIL
19. Publications:
  - Publication per faculty:
  - Number of papers published in peer reviewed journals (National /International) by faculty and students: NIL
  - Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
  - Monographs:
  - Chapter in Books:
  - Books Edited:
  - Books with ISBN/ISSN numbers with details of publishers
  - Citation Index
  - SNIP
  - SJR
  - Impact factor
  - h-index
20. Areas of consultancy and income generated: NIL
21. Faculty as members in
  - a) National committees:
  - b) International Committees:
  - c) Editorial Boards:
22. Student projects
  - c) Percentage of students who have done in-house projects including inter departmental/programme: NIL
  - d) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: NIL
23. Awards / Recognitions received by faculty and students: NIL
24. List of eminent academicians and scientists / visitors to the Department:
  - a) Dr. K. N. Doddamani – 04<sup>th</sup> September 2010.
  - b) Shri. A. A. Sanadi – **14<sup>th</sup> September 2012 & 14<sup>th</sup> September 2013.**

25. Seminars/ Conferences/Workshops organized & the source of funding:  
NIL

- a) National: NIL
- b) International: NIL

26. Student profile programme/course wise: NIL

Name of the Course/ Programme	Applications Received	Selected	Enrolled		Pass percentage
			*M	*F	
2 <sup>nd</sup> Language 2014-15	07	07	03	04	100

\*M= Male      \*F= Female

27. Diversity of Students: NIL

Name of the Course	% of the Students from the same state	% of the Students from the other state	% of the Students from abroad
2 <sup>nd</sup> Language	100	-	-

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc: NIL

29. Student progression: NIL

Student Progression	Against % Enroll
UG to PG	
PG to M.Phil	
PG.to Post-Doctoral	
Employed <ul style="list-style-type: none"> <li>• Campus Selection</li> <li>• Other than campus recruitment</li> </ul>	
Entrepreneurship or self employment	

30. Details of Infrastructural facilities

- a) Library : Available
- b) Internet facilities for Staff & Students: Available
- c) Class rooms with ICT facility: NIL
- d) Laboratories: N.A.

31. Number of students receiving financial assistance from college, university, Government or other agencies: NIL

32. Details on student enrichment programmes (special lectures / workshops /Seminar) with external experts:

33. Teaching methods adopted to improve student learning: Short speaking courses in the classes, and Translation in Kannada, English to Sanskrit Small sentences.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

35. SWOC (Strength, Weaknesses, Opportunities & Challenges) analysis of the department and Future plans:

**Strength:** 1) Senior faculty with Doctorate  
2) Good collection in the library  
3) Only college in the district offering Samskrita

**Weakness:** 1) Single Faculty department  
2) Enrollment is inadequate  
4) Since it is a science college, students don't devote much time.

**Opportunities:** 1) to increase the enrollment

**Challenges:** 1) Tendency of students to choose Hindi and Kannada as 2<sup>nd</sup> Language  
2) Lack of opportunity for Samskrita Conversation

## English Department

1. Name of the department: English
2. Year of Establishment: 1966
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., and Integrated Masters; Integrated Ph.D., etc.): Undergraduate.
4. Names of Interdisciplinary courses and the departments/units involved:  
NIL
5. Annual/ semester/choice based credit system (programme wise):  
Semester
6. Participation of the department in the courses offered by other departments:
7. Courses in collaboration with other universities, industries, foreign institutions, Etc.: NIL
8. Details of courses/programmes discontinued (if any) with reasons:
9. Number of teaching posts

	Sanctioned	Filled
Professors	-	-
Associate Professors	04	03
Asst. Professors	-	-

10. Faculty profile with name, qualification, designation, specialization, (D.Sc. /D.Litt. /Ph.D. / M. Phil. etc.)

Name	Qualification	Designation	Specialization	No. of years of experience	Ph.D students last 4 years
Prof. U. S. Aralimatti	M.A.	Asso. Prof.	--	25 Years	--
Dr.(Mrs). A. R. Kulkarni	M.A., Ph.D.	Asso. Prof.	--	20 Years	--
Mrs. A. S. Naik	M.A.	Asst. Prof.	--	18 Years	--

11. List of senior visiting faculty: NIL
12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: NIL
13. Student -Teacher Ratio (programme wise):

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: NIL
15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG: Ph.D., M.Phil. & PG.
16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: NIL
17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: - NIL
18. Research Centre /facility recognized by the University: NIL
19. Publications:
  - Publication per faculty:
  - Number of papers published in peer reviewed journals (National /International) by faculty and students: NIL
  - Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
  - Monographs:
  - Chapter in Books:
  - Books Edited:
  - Books with ISBN/ISSN numbers with details of publishers
  - Citation Index
  - SNIP
  - SJR
  - Impact factor
  - h-index
20. Areas of consultancy and income generated: NIL
21. Faculty as members in
  - a) National committees:
  - b) International Committees:
  - c) Editorial Boards:
22. Student projects
  - a) Percentage of students who have done in-house projects including inter departmental/programme: NIL
  - b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: NIL
23. Awards / Recognitions received by faculty and students: NIL

24. List of eminent academicians and scientists / visitors to the Department:  
NIL

25. Seminars/ Conferences/Workshops organized & the source of funding:  
NIL

- a) National: NIL  
b) International: NIL

26. Student profile programme/course wise: NIL

Name of the Course/ Programme	Applications Received	Selected	Enrolled		Pass percentage
			*M	*F	
Compulsory Language	337	337	181	156	
2 <sup>nd</sup> Language	19	19	07	12	

\*M= Male      \*F= Female

27. Diversity of Students: NIL

Name of the Course	% of the Students from the same state	% of the Students from the other state	% of the Students from abroad

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc: NIL

29. Student progression: NIL

Student Progression	Against % Enroll
UG to PG	
PG to M.Phil	
PG.to Post-Doctoral	
Employed <ul style="list-style-type: none"> <li>• Campus Selection</li> <li>• Other than campus recruitment</li> </ul>	
Entrepreneurship or self employment	

30. Details of Infrastructural facilities

- a) Library : Yes  
b) Internet facilities for Staff & Students: Yes  
c) Class rooms with ICT facility: Nil  
d) Laboratories: N.A.

31. Number of students receiving financial assistance from college, university, Government or other agencies: Nil
32. Details on student enrichment programmes (special lectures / workshops /Seminar) with external experts: Nil
33. Teaching methods adopted to improve student learning: Lecture Method, Student Seminars & Language lab
34. Participation in Institutional Social Responsibility (ISR) and Extension activities: Faculty Development programmes
35. SWOC (Strength, Weaknesses, Opportunities & Challenges) analysis of the department and Future plans:

**Strength:** 1) Senior faculty, one with Doctorate & one registered for Ph.D  
2) Good collection in the library  
3) Compusory paper for all students

**Weakness:** 1) Students have varying English Competancy  
2) Since it is a science college, students don't devote much time.

**Opportunities:** 1) To devlop communication and soft skills

**Challenges:** 1) Use of sms and email on language usage

## Kannada Department

1. Name of the department: Kannada
2. Year of Establishment: 1966
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., and Integrated Masters; Integrated Ph.D., etc.): Undergraduate.
4. Names of Interdisciplinary courses and the departments/units involved: NIL
5. Annual/ semester/choice based credit system (programme wise): Semester
6. Participation of the department in the courses offered by other departments: NIL
7. Courses in collaboration with other universities, industries, foreign institutions, Etc.: NIL
8. Details of courses/programmes discontinued (if any) with reasons: NIL
9. Number of teaching posts

	Sanctioned	Filled
Professors	-	-
Associate Professors	01	01
Asst. Professors	-	-
Society Employee		01

10. Faculty profile with name, qualification, designation, specialization, (D.Sc. /D.Litt. /Ph.D. / M. Phil. etc.)

Name	Qualification	Designation	Specialization	No. of years of experience	No. of Ph.D students for the last 4 years
Dr. H. B. Kolkar (Transferred to RPD College of Arts & Commerce, Belagavi w.e.f.20/02/2014)	M.A.,B.Ed., PGD in Linguistics, NET Ph.D.,	Asso. Prof.	Entire Kannada Literature	22 Years	01
Mrs. S. M. Kalai	M.A., M.Ed.	Lecturer	Folk Literature	2.6 Year	

11. List of senior visiting faculty: NIL



12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: NIL
13. Student -Teacher Ratio (programme wise): 208:1
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: NIL
15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG: Ph.D., PG.
16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: NIL
17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: - NIL
18. Research Centre /facility recognized by the University: NIL
19. Publications:
  - Publication per faculty: 01
  - Number of papers published in peer reviewed journals (National /International) by faculty and students:

1.	2013	“Chokkata Badukina Appata Mestru” Article on life achievement of Prof. G.V. Malagi, Rtd. Prof. of JSS College of Gokak, his felicitation Book-“Sahrudai”.
2.	2013	“Sahrudayateya Samudra” Article on life achievement of Dr. Devanand Gaonkar, Rtd. J.D. Collegiate Education Dharwad, his Felicitation Book –“Kadala Muttu”.

- Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.): Nil
  - Monographs: Nil
  - Chapter in Books: 03
  - Books Edited: 03
  - Books with ISBN/ISSN numbers with details of publishers:
  - Citation Index - Nil
  - SNIP
  - SJR
  - Impact factor
  - h-index
20. Areas of consultancy and income generated: NIL
  21. Faculty as members in

- a) National committees:
- b) International Committees:
- c) Editorial Boards: RCUB Text Book Committee 2012 to 2015.

## 22. Student projects

- a) Percentage of students who have done in-house projects including inter departmental/programme: NIL
- b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: NIL

## 23. Awards / Recognitions received by faculty and students: NIL

## 24. List of eminent academicians and scientists / visitors to the Department:

- a) Shri. A. A. Sanadi – **14<sup>th</sup> September 2012 & 14<sup>th</sup> September 2013.**

## 25. Seminars/ Conferences/Workshops organized &amp; the source of funding: NIL

- a) National: NIL
- b) International: NIL

## 26. Student profile programme/course wise:NIL

Name of the Course/ Programme	Applications Recieved	Selected	Enrolled		Pass percentage
			*M	*F	
B.Sc	208	208	111	97	94

**\*M= Male      \*F= Female**

## 27. Diversity of Students:

Name of the Course	% of the Students from the same state	% of the Students from the other state	% of the Students from abroad
B.Sc.	100	-	-

## 28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc: NIL

29. Student progression: NIL

Student Progression	Against % Enroll
UG to PG	
PG to M.Phil	
PG.to Post-Doctoral	
Employed <ul style="list-style-type: none"> <li>• Campus Selection</li> <li>• Other than campus recruitment</li> </ul>	
Entrepreneurship or self employment	

30. Details of Infrastructural facilities

- a) Library : Available
- b) Internet facilities for Staff & Students: Available
- c) Class rooms with ICT facility: NIL
- d) Laboratories: N.A.

31. Number of students receiving financial assistance from college, university, Government or other agencies: NIL

32. Details on student enrichment programmes (special lectures / workshops /Seminar) with external experts:

- Special lecture on Dr.B. R. Ambedkar and his philosophy on 13 April 2014 by Prof. A. K. Mense.
- Special lecture on Benefits of Literature on 14.09.2012 by Shri. A. A. Sanadi.
- Special lecture on Shri. B. A. Sanadi Poetry on 19.09.2013 by Prof. M. S. Inchal.
- “Pavada Bayalu”(Superstation eradication) Programme on 19.09.2013 by Shri. M. Y. Menasinakai.
- Special lecture on Life and Literary works of Sant Kanakadas on 20.11.2013, by Dr. H.B. Kolkar

33. Teaching methods adopted to improve student learning:

The main teaching method is classroom teaching method. After every topic, an essay question is given which the students need to answer and submit. This will enhance students concentration to the lecture and understanding.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

- As Organizing Secretary, Organized world Kannada Conference Cultural Procession of “Vishwa Kannada Sammelana” on 11<sup>th</sup> March 2011 at Belgaum on 11.03.2011.
- Worked as – Organizing Secretary of Karnataka Itihasa Academy (Belgaum unit), organized State Level Conference on “History and Culture of Karnataka” at Bailhongal, (Belgaum Dist.) on 25 & 26 April 2012.

- Worked as – President of Dalita Sahitya Parishattu, (Belgaum unit), nominated as Secretary to Organize Dalita Sahitya Sammelana – 2012 by State Committee of Karnataka, and Organized “All India Level of Dalita Literary Conference”, at Belgaum on 29 & 30 December 2012.
  - Programme Co-Ordinator, For “Halashi Kadambotsava-2014” And Addressed ‘Key Note’ In the Seminar Session at Halashi, Conference Organized by Kannada and Culture Department and District Administration, Belgaum on 12 & 13 February 2014.
  - “Yuvaranga- Belagavi” Theater Association, Belgaum. Life Member and Advisory body Member from 2009.
  - Rani Channamma University Colleges Kannada Teachers Association (RCUCKTA) Chief Secretary From 2010.
  - Karnataka Itihasa Accademy, Bangalore, Belgaum District Unit Organization Secretary from 2009 to 2011.
  - Worked as – President of Dalita Sahitya Parishattu, (Belgaum unit), nominated as Secretary to organize Dalita Sahitya Sammelana – 2012 by State Committee of Karnataka, and organized “All India Level of Dalita Literary Conference”, at Belgaum from 2012.
  - Nominated as Vice President of Karnataka Itihasa Academy Bangalore, Belgaum unit from 2012.
  - Nominated as Vice President of Karnataka Rajya chutuku Sahitya Parishattu, Bangalore, Belgaum unit from 2011.
  - U.G. Courses Kannada Text Books Editorial Committee Member of Rani Channamma University, Belgaum from 2012 to 2015.
35. SWOC (Strength, Weaknesses, Opportunities & Challenges) analysis of the department and Future plans:

<b>Strength:</b> Existence of Kannada language in Science course	<b>Weakness:</b> Science students do not give much importance to languages. The Subject is only up to B.Sc. IV Sem
<b>Opportunities:</b> Ample scope for research	<b>Challenges:</b> Getting students for Science

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# Photographs & Enclosures

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*Alumni Association Activities*





*Student Cultural Activities*



*Invited Speakers*





*Exhibitions Conducted*



*Guest Lectures Conducted*





*Extention and Community Services*



*Activities of Hobby Centre and Extention Activities*



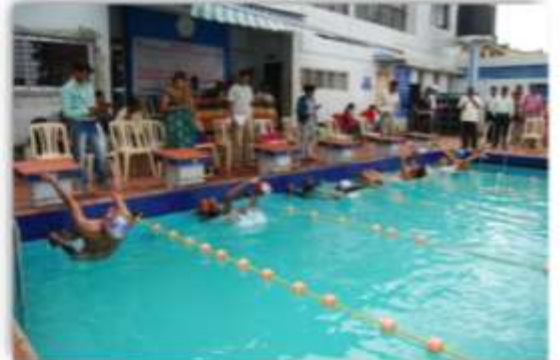


*Seminars and Workshops Conducted*



*Staff Training Workshops*





*Student Achievements in Sports and Games*



*Felicitation of Staff Achievers*





*Student Training ; Student Achievers*



*Field Visits and Study Tours*





*Faculty Development, Student Activities and Parent Meeting*



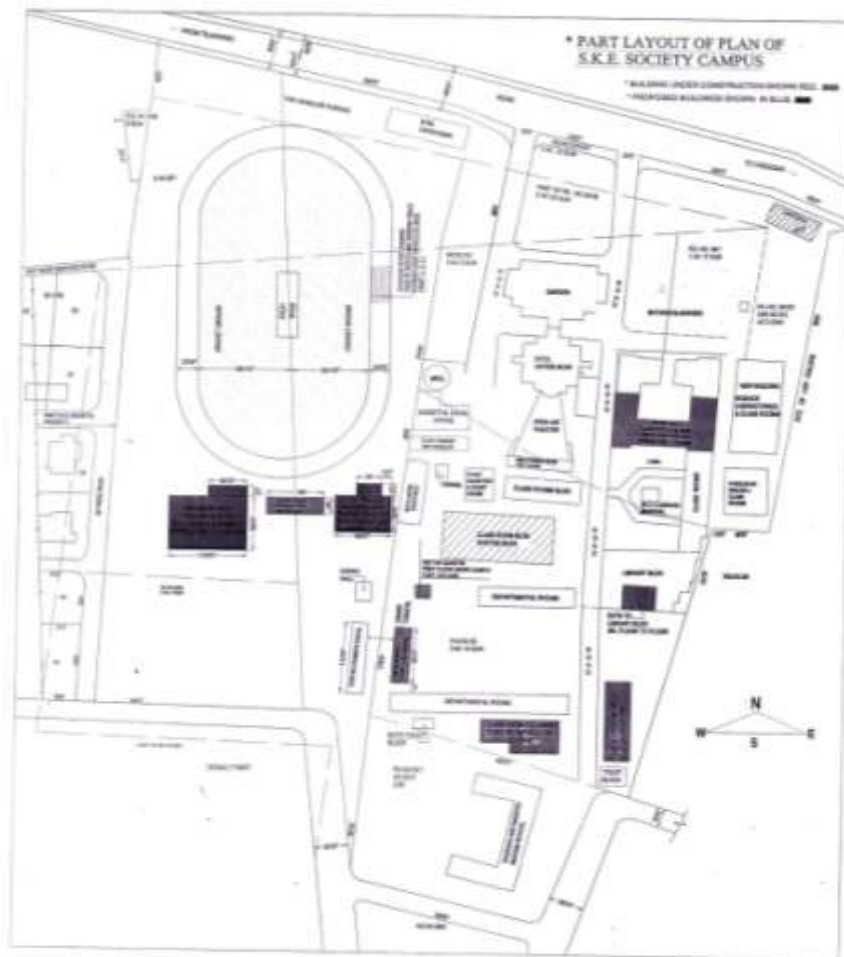
*Development Programmes for Students and Faculty*





*Eminent Persons who addressed Students and Staff*

## Campus Layout

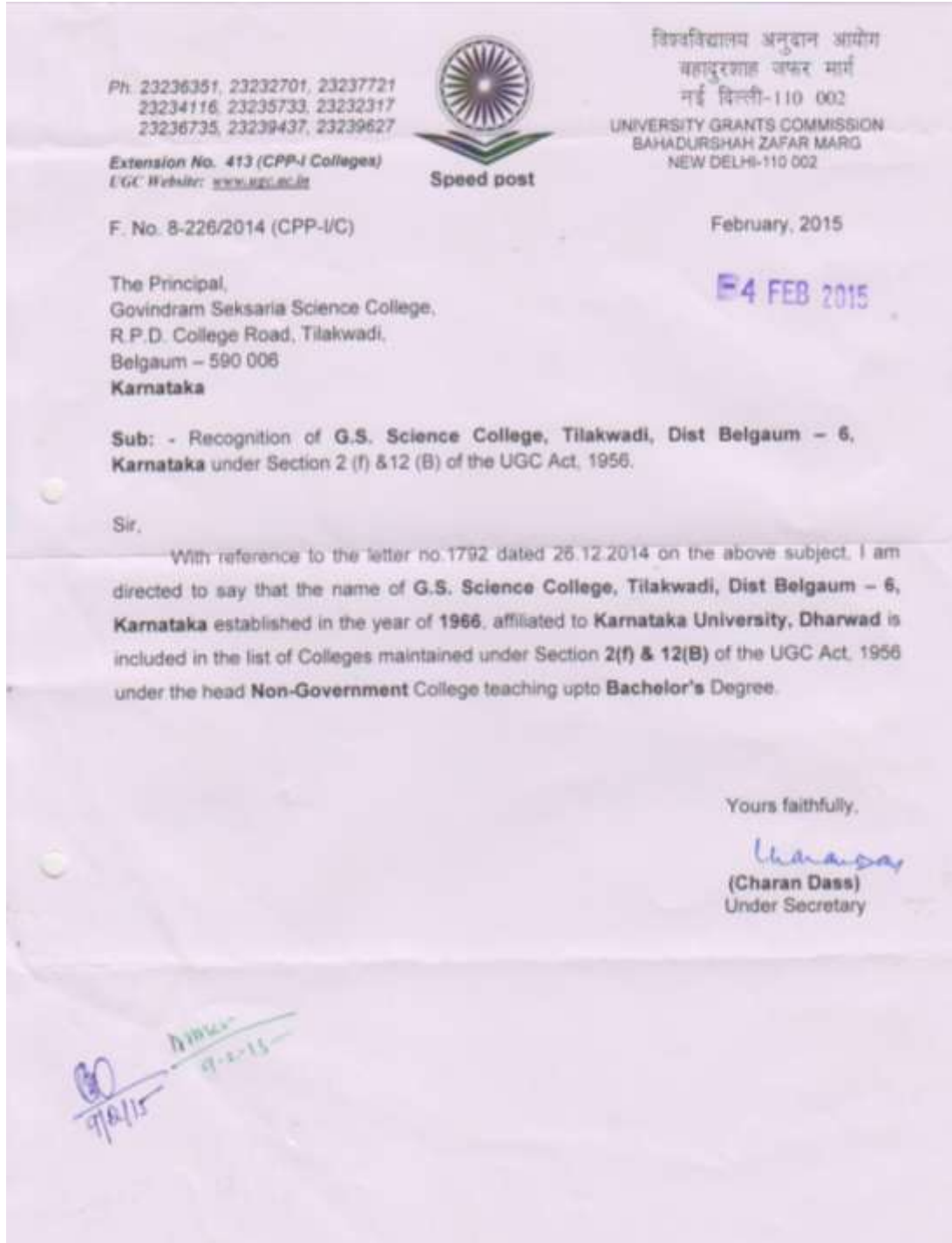


College Campus as seen through Google Earth



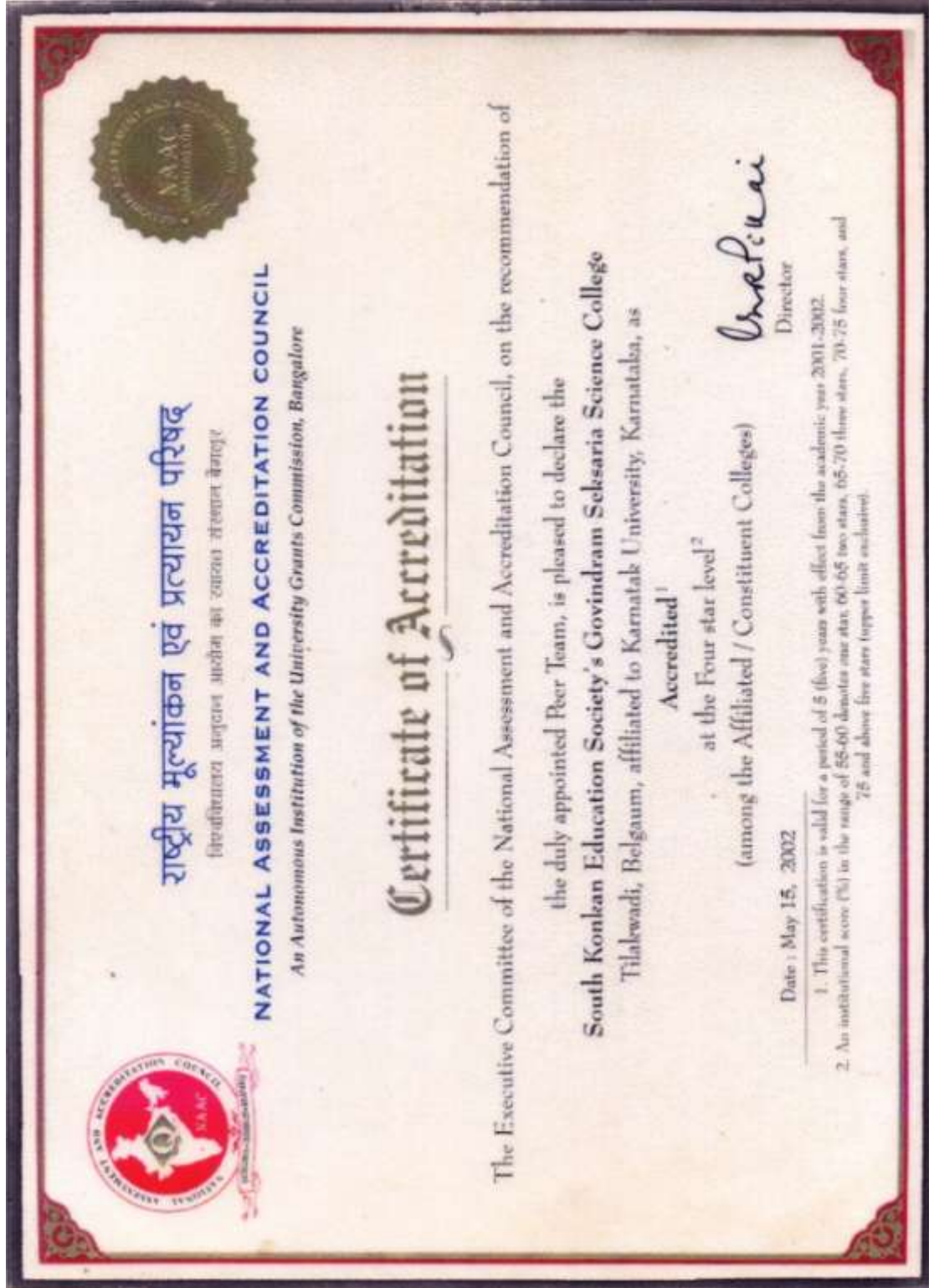


ENCLOSURE NO.2





ENCLOSURE NO.3



ENCLOSURE NO.4



ENCLOSURE NO.5

<b>INSTITUTIONAL REACCREDITATION</b> <b>OF</b> <b>GOVINDRAM SEKSARIA SCIENCE COLLEGE</b> <b>TILAKWADI, BELGAUM</b> <b>KARNATAKA</b>	
Name & Address of the Institution	Govindram Seksaria Science College, Tilakwadi-560009 Belgaum, Karnataka
Year of Establishment	1988
Current Academic Activities of the Institution	
• Faculties	01
• Departments	02
• Courses offered	UG – 13, PG – 01
• Permanent Faculty Members	45
• Permanent Support staff	09
• Students	<b>22-23 SEPTEMBER, 2009</b>
Three major features in the institutional context	<ul style="list-style-type: none"><li>• Affiliated Govindram Seksaria Science College, Belgaum</li><li>• Located in Urban area with decent facilities over 20 acres</li><li>• Good infrastructure</li></ul>
Date of visit of the Peer Team	22-23 September, 2009
<b>NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL</b> <b>BANGALORE-560072</b>	

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**PEER TEAM REPORT  
ON  
INSTITUTIONAL REACCREDITATION  
OF  
GOVINDRAM SEKSARIA SCIENCE COLLEGE  
TILAKWADI, BELGAUM.**

<b>Section I: GENERAL</b>	
1.1 Name & Address of the Institution	: <b>Govindram Seksaria Science College, Tilakwadi-590006 Belgaum, Karnataka.</b>
1.2 Year of Establishment	: <b>1966</b>
1.3 Current Academic Activities at the Institution	: <b>01</b>
• Faculties	: <b>09</b>
• Departments	: <b>UG – 13, PG - 01</b>
• Courses offered	: <b>45</b>
• Permanent Faculty Members	: <b>08</b>
• Permanent Support staff	: <b>684</b>
• Students	: <b>684</b>
1.4 Three major features in the Institutional context	<ul style="list-style-type: none"> <li>• Affiliated Grant-in-aid College recognized as Linguistic Minority Institution.</li> <li>• Located in Urban area with a campus spread over 28 acres.</li> <li>• Good infrastructure.</li> </ul>
1.5 Dates of visit of the Peer Team	: <b>22-23 September, 2009</b>
1.6 Composition of the Peer team Which undertook the on-site visit	: <b>Prof. S. F. Patil</b>
Chairman	: <b>Dr. R. Krishnakumar</b>
Member Coordinator	: <b>Prof. M. D. P. Rao</b>
Member	: <b>Prof. M. D. P. Rao</b>

1 *Govindram Seksaria Science College, Tilakwadi-590006*

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<b>Section II: CRITERION WISE ANALYSIS :</b>	
2.1 Curricular Aspects:	
2.1.1 Curriculum Design & Development	<ul style="list-style-type: none"> <li>• Courses offered conform with the goals and objectives of the College.</li> <li>• Some faculty members as members of boards of Studies / Subject Forums contribute for curriculum development.</li> <li>• All the courses offered focus on experiential learning.</li> <li>• College offers Thirteen combinations of subjects at UG level. M. Sc. course in Organic Chemistry has been introduced from 2009-10.</li> <li>• Semester pattern of exam is followed and credit system is introduced for M.Sc. Organic Chemistry course.</li> <li>• Limited flexibility for students to move from one combination of subjects to another.</li> <li>• Computer Science and Electronics as optional subjects, M.Sc. (Organic Chem.) and BCA courses are offered on self financing basis.</li> </ul>
2.1.2 Academic Flexibility:	
2.1.3 Feedback on Curriculum:	<ul style="list-style-type: none"> <li>• Feedback is obtained from various stakeholders.</li> <li>• Feedback is analyzed and recommendations are forwarded to the Boards of Studies of Karnataka University.</li> </ul>
2.1.4 Curriculum update	<ul style="list-style-type: none"> <li>• Curriculum is updated by the affiliating university once in 3 to 5 years.</li> </ul>

<p>2.1.5 Best Practices in Curricular Aspects:</p> <p><b>2.2 Teaching – Learning &amp; Evaluation :</b></p> <p>2.2.1 Admission Process and Student Profile:</p> <p>2.2.2 Catering to the Diverse Needs:</p>	<ul style="list-style-type: none"> <li>• Syllabi of courses of B.Sc I and II semesters, basic english and second language courses were revised in June 2008.</li> <li>• Project work, though not mandatory, is introduced for students in curriculum .</li> <li>• Global Skills Enhancement Programme is introduced to enhance employability related skills.</li> <li>• Transparent admission process is practiced through advertisement, college website and prospectus.</li> <li>• While admitting to various courses, due consideration is given to students from the disadvantaged community and to physically challenged students.</li> <li>• Admissions are made on the basis of merit except for BCA course for which interview is also conducted.</li> <li>• Athletes and sports personnel get preference in admission.</li> <li>• Remedial courses and tutorial classes for slow learners and enrichment lectures for advanced learners are conducted.</li> <li>• Knowledge and skills assessed through NAAC endorsed orientation programme at the beginning of the first semester.</li> </ul>
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<p>2.2.3 Teaching – Learning Process:</p> <p>2.2.4 Teacher Quality:</p> <p>2.2.5 Evaluation Process and Reforms:</p>	<ul style="list-style-type: none"> <li>• Academic calendar is made available to students at the beginning of the academic session.</li> <li>• Participatory learning process through field work, seminars and Industrial visits is adopted.</li> <li>• Teaching aids like audio visuals, OHP and internet are used.</li> <li>• Evaluation of teachers by students is in practice.</li> <li>• Teachers selected on merit by a Selection Committee in consultation with the Department of Higher Education of the State.</li> <li>• College has 45 permanent, 13 temporary and 6 visiting faculty members. 13% of them have Ph.D., 3% have M. Phil. Degree and 5% of them have UGC NET, SLET qualification.</li> <li>• College encourages faculty participation in seminars, workshops, conferences and orientation programmes.</li> <li>• Five teachers including the Principal have received awards for academic achievements.</li> <li>• College monitors the overall progress of students in identifying their strengths and weaknesses.</li> </ul>
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<p>2.2.6 Best Practices in Teaching–Learning and Evaluation:</p> <p>2.3 <b><u>RESEARCH CONSULTANCY &amp; EXTENSION:</u></b></p> <p>2.3.1 Promotion of Research</p> <p>2.3.2 Research and Publications Output:</p>	<ul style="list-style-type: none"> <li>• Evaluation methods are displayed on the notice board and discussed with the students.</li> <li>• Grievances regarding evaluation are addressed in mentor group meetings.</li> <li>• Self evaluation of answer scripts of the college exam. by the students in some departments deserves special mention.</li> <li>• Special efforts are put in for improving language skills of rural students.</li> <li>• Consistent good exam results at the University level.</li> <li>• "Earn while you learn scheme" is in operation for poor students.</li> <li>• College encourages faculty participation in research by providing seed money and study leave.</li> <li>• Students are encouraged to undertake projects and devise scientific models.</li> <li>• Geology research lab is equipped with Remote sensing software and Computing facility.</li> <li>• Three faculty members are recognized research guides, 2 research fellows, one from UGC and the other of MOES are engaged in research in the Department of Geology.</li> </ul>
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<p>2.3.3 Consultancy</p> <p>2.3.4 Extension Activities:</p> <p>2.3.4 Collaborations:</p> <p>2.3.5 Best Practices in Research Consultancy &amp; Extension:</p>	<ul style="list-style-type: none"> <li>• 2 Major and 4 Minor research projects are presently being carried out.</li> <li>• Some faculty members have presented papers at the international and national conferences.</li> <li>• A good number of books and research papers have been published by the faculty members. Research contribution of Geology department is commendable.</li> <li>• Both honorary and remunerative consultancy is provided by some staff members to industries and farmers in nearby area.</li> <li>• Students are encouraged to participate in NCC, YRC and NSS activities.</li> <li>• Good participation of NCC Cadets at the Republic Day Parade in New Delhi.</li> <li>• Social service projects are organized with the help of NGO's.</li> <li>• Department of Geology has Research collaboration with National labs.</li> <li>• College has collaboration with industries in and around Belgaum for training students.</li> <li>• Environment related activities preserving ecologically important areas are praiseworthy.</li> <li>• Students are encouraged to undertake research projects.</li> </ul>
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<p><b>2.4 INFRASTRUCTURE AND LEARNING RESOURCES :</b></p> <p>2.4.1 Physical facilities for Learning:</p> <p>2.4.2 Maintenance of Infrastructure:</p> <p>2.4.3 Library as a Learning Resources:</p> <p>2.4.4 ICT as Learning Resources:</p>	<ul style="list-style-type: none"> <li>• Herbal medicinal garden is well maintained. Vermicompost project undertaken by the Department of Botany.</li> <li>• College has a campus of 28 acres with well furnished classrooms, well equipped labs and a well maintained botanical garden.</li> <li>• College has a good library with spacious reading rooms for students and staff.</li> <li>• Staff room, common room for girls and guest house are made available.</li> <li>• College has two computer labs. and geology research lab. supported by DST, MOES and UGC.</li> <li>• Separate budget is allotted for maintenance.</li> <li>• Staff sub-committee ensures judicious and effective use of allotted budget for proper maintenance.</li> <li>• College infrastructure is optimally utilized.</li> <li>• Library advisory committee supervises the functioning of library.</li> <li>• Library has open access system and is partially computerized.</li> <li>• Departmental libraries, book bank, internet and reprographic facilities are available.</li> <li>• College has 86 Computer systems with adequate software. Of them, 7 are in the departments and 38 systems have internet connectivity.</li> </ul>
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<p>2.4.5 Other Facilities:</p> <p>2.4.6 Best Practices in the development of Infrastructure and Learning Resources:</p> <p><b>2.5 STUDENT SUPPORT AND PROGRESSION :</b></p> <p>2.5.1 Student Progression:</p> <p>2.5.2 Student Support:</p>	<ul style="list-style-type: none"> <li>• College website is used for academic and administrative purposes</li> <li>• Adequate budgetary provision is made for purchase, maintenance and upgradation of computers .</li> <li>• College has provision for indoor and outdoor games in addition to a Multi- gym.</li> <li>• Canteen, students centre, womens' rest room, health centre, yoga hall, workshop and bank facilities are made available.</li> <li>• College has separate hostels for Boys and Girls, besides residential accommodation for the faculty.</li> <li>• College augments infrastructure to keep pace with the academic growth.</li> <li>• Efforts are made to lower the dropout rate during the last two years.</li> <li>• Sizeable number of students go for higher studies.</li> <li>• College publishes updated prospectus, hand book, college miscellany "Pratima" every year.</li> <li>• Soft skill training is provided under GSEP employability enhancement programme.</li> <li>• Financial aid under endowment scholarship, SKES' scholarship and alumni grants are extended.</li> </ul>
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<p>2.5.3 Student Activities.</p> <p>2.5.4 Best Practices in Student Support and Progression:</p> <p><b><u>2.6 GOVERNANCE AND LEADERSHIP:</u></b></p> <p>2.6.1 Institutional Vision and Leadership:</p>	<ul style="list-style-type: none"> <li>• College has an active Career Guidance and Placement Cell.</li> <li>• Gender Atrocities Cell is setup to prevent sexual harassment of women.</li> <li>• Eleven students have joined Defense Services.</li> <li>• College supports students' participation in extra curricular activities, sports and games.</li> <li>• Students prepare wall magazine, charts and posters.</li> <li>• Students have participated in National and State level sports tournaments and won prizes.</li> <li>• One student has received International Young Inventor Award at Tokyo.</li> <li>• Free books given to poor and meritorious students.</li> <li>• Principal and staff honour rank holders amidst parents and management.</li> <li>• Provision of free health check up and group insurance for the students, is made available.</li> <li>• Vision and mission is in tune with the National Higher Education policy.</li> <li>• The SKE Society supervises the functioning of college through governing council and the GSS College managing committee.</li> <li>• Students, parents, alumni and the staff are represented on the college management committee.</li> </ul>
9	<i>Govindram Seksaria Science College, Tilakwadi-590006</i>

## 2.6.2 Organizational Arrangements:

- Monthly meetings of the college management Committee ensures effective implementation of decisions and review of actions.
- Different Committees assist the Principal in streamlining academic, co-curricular and extra-curricular activities.
- College administration is decentralized.

## 2.6.3 Strategy Development and Deployment:

- SKE Society's Governing Council and the Principal together prepare college development plan.
- Decisions are taken on the basis of the feedback from various committees' and the students.

## 2.6.4 Human Resource Management:

- Assessment of faculty is done through self appraisal and student's feedback.
- Staff members are recruited as per state government norms.
- Employees' co-operative society, staff quarters, health centre and staff welfare fund are available.

## 2.6.5 Financial Management and Resource Mobilization:

- Adequate budgetary provision is made for effective functioning.
- Funds are mobilized by way of fees and donations from well wishers, especially from Alumni.
- Accounts are audited regularly by external auditors.





**SECTION III: OVERALL ANALYSIS****3.1 Institutional Strengths:**

- Large campus with adequate infrastructure.
- Dedicated staff and committed management
- Collaboration with National Institutes
- Good performance of students in University examinations.

**3.2 Institutional Weaknesses:**

- Predominantly conventional teaching and learning.
- Average research output.
- Limited subject options.
- Quality assurance and monitoring partially adequate.
- Lack of interdisciplinary courses.

**3.3 Institutional Opportunities:**

- To create stronger collaborations with higher educational institutes of repute at research level.
- Fund generating consultancy may be explored.
- Improving ICT based teaching and learning methods.
- Increasing alumni participation and support in creating infrastructure.

**3.4 Institutional Challenges:**

- Initiating strategies to open more subjects in emerging areas.
- Motivating teachers for professional development.
- Establishment of central computing facility.
- Improving soft skills of the students
- Strengthening of resource mobilization.

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## SECTION IV : RECOMMENDATIONS FOR QUALITY ENHANCEMENT OF THE INSTITUTION

- IQAC activities may be strengthened.
- Being a Science College offering limited subjects, opening of more subjects like Microbiology, Biotechnology, and Environmental Science at the UG level and Analytical Chemistry, Inorganic Chemistry and Physics at PG level may be planned in a phased manner.
- Full automation of college library may be taken up on priority basis.
- Opening of Add-on courses, certificate courses be initiated
- Central computing facility may be established.
- Staff may be encouraged to seek assistance from various funding agencies for their research projects.
- College may organize more workshops, seminars and conferences at the state and national levels
- Extension activities need to be enhanced.
- Professional development training may be organized for the non-teaching staff.
- More number of recent edition of books may be procured for the library.
- PG labs. need to be strengthened.
- Bridge courses for the freshers may be introduced.
- Language laboratory may be established for improving communication skills.

I agree with the observations of the Peer Team as mentioned in this report



*M.M. Shanbhag*  
28.09.09  
(Mrs. M. M. Shanbhag)

Signature of the Peer Team members.

PRINCIPAL  
Govindram Seksaria Science College  
BELGAUM

Prof. S. F. Patil  
Chairman

*S. F. Patil*  
23/9/09

Prof. M. D. P. Rao  
Member

*M. D. P. Rao*  
23/9/09

Dr. R. Krishnakumar  
Member Coordinator

*R. Krishnakumar*  
23.09.09

Dr. Jagannath Patil  
NAAC Coordinator

Belgaum  
23-09-09



ENCLOSURE NO. 6

**Research Publications by Staff Members**

(\*International Journal; \*\* National Journals)

**Year 2010-11**

**Dr.P.T.Hanamgond:**

1. Nayak G.N. & **Hanamgond P.T.**, India. Chapter 17.2. In: Encyclopedia of the World's Coastal Landforms Vol. 1. (Editor: Bird E.C.F., Springer Verlag, Heidelberg), 2010, pp 1065-1070
2. Gawali P.B, N. Basavaiah, & **Hanamgond P. T.**, Mineral Magnetic Properties of Sediments of Beaches, Redi-Vengurla Coast, Central West Coast of India: a Seasonal Characterization and Provenance Study. Journal of Coastal Research, Florida (U.S.A.), 26(3), 2010, pp 569-579
3. Petrological Study on Godanti (CaSo<sub>4</sub>.2H<sub>2</sub>O) Shodhana (Purification) : An Interdisciplinary approach, Savita B. Bhosale, R. S. Hiremath & **P. T. Hanamgond.**, J. Res. Educ. Indian Med., Vol. XVI (1-2) : (2010) pp 41-44.

**Mrs. Meera Tarlekar:**

1. Shilpakar Charitrakar – Charitrakosh, Vyankatesh Madgulkar “Adhunik Maharashtrachi Jadan – Ghandan”, pp 513-515

**Dr. Mrs. S. S. Kalagi:**

1. **S. S. Kalagi**, D. S. Dalavi, R. C. Pawar, N. L. Tarwal, S. S. Mali and P. S. Patil, Polymer assisted deposition of electrochromic tungsten oxide thin by films *Journal of alloys and compounds* Volume: 493, 2010 pp 335

**Year 2011-12**

**Dr.P.T.Hanamgond:**

1. D.I.Deendar, A.K.Mense & S.M. Deshpande . Occurrence of Basaltic Dyke with transverse joints at Aurangabad, Maharashtra- A preliminary report, Mining Engineers' Journal, V.12 (6), 2011, pp 28-29 & 32
2. Hanamgond P.T. EOF study and heavy mineral distribution of the beaches between Karwar and Ankola, Karnataka. Mining Engineers Journal, V.12 (8), 2011, pp 18-32

3. Hanamgond P.T. & Nayak G.N. Geochemistry of Heavy Minerals of Beach Sediments at Arge. West Coast of India. International Journal of Earth Sciences and Engineering, V.04 (2), Spl Issue 2011, pp 52-60

**Dr. Mrs. S. S. Kalagi:**

1. **S. S. Kalagi**, S. S. Mali, D. S. Dalavi, A. I. Inamdar, HyunsikIm and P. S. Patil. Limitations of dual and complementary inorganic-organic electrochromic device for smart window application and its colorimetric analysis, *Synthetic Metals* Volume: 161, Year: 2011, pp 1105
2. D. S. Dalavi, M. J. Suryavanshi, D. S. Patil, S. S. Mali, A. V. Moholkar, **S. S. Kalagi**, S.A. Vanalkar, S.R. Kang, J.H. Kim and P.S. Patil. Nanoporous nickel oxide thin films and its improved electrochromic performance: Effect of thickness, *Applied Surface Science* Volume:257, Year:2011, pp 2647
3. D. S. Patil, J. S. Shaikh, D. S. Dalavi, **S. S. Kalagi** and P. S. Patil. Chemical synthesis of highly stable PVA/PANI thin films for supercapacitor applications, *Volume: 128*, Year: 2011, pp 449
4. N. L. Tarwal, P. R. Jadhav, S. A. Vanalakar, **S. S. Kalagi**, R. C. Pawar, J. S. Shaikh, S. S. Mali, D. S. Dalavi, P. S. Shinde and P. S. Patil. "Photoluminescence of Zinc oxide nanopowders synthesised by a combustion method", *Powder technology* Volume: 208, Year: 2011, pp 185

**Year 2012-13**

**Dr.P.T.Hanamgond:**

1. Hanamgond P.T & Mitra D. .Morphodynamics of Kwada and Belekeri Bay Beaches, West Coast of India: Implications from Remote Sensing Studies, Gondwana Geological Magazine, Spl Vol. 13, 2012, pp 119-123
2. Surekha Patil, Raghuveer, R. S. Hiremath & P. T. Hanamgond. Identification of mineral Khatika (Chalk) with the aid of Geological Principles, Journal of Ayurveda, V.VI (3), 2013, pp 76-80
3. S.M.Waghmare, Hanamgond P. T., A. Sreenivas, R.S.Munnolli and P.S.Shinde. Geochemistry and Mineralogy of clays around Khanapur, Belgaum District, Karnataka. Mining Engineers Journal, V.14 (11), 2013, pp 13-20

**Dr. N. D. Hegde:**

1. Satish A. Mahadik, D. B. Mahadik, M. S. Kavale, V. G. Parale, P. B. Wagh, S. C. Gupta, **N. D. Hegde**, A. V. Rao. Thermally stable and transparent superhydrophobic sol-gel coatings by spray method, *Journal of Sol-Gel Science and Technology*, Volume:63, Year: 2012, pp 580-586

**Dr. S. G. Adoor:**

1. **Dr. S. G. Adoor**. Exploration of nanocomposite membranes composed of phosphotungstic acid in sodium alginate for separation of aqueous-organic mixtures by pervaporation. Separation of Purification Technology, Volume 113, 2013, pp 64.64

**Dr. Mrs. S. S. Kalagi:**

2. Sawanta S. Mali, Shital K. Desai, **Smita S. Kalagi**, Chirayath A. Betty, Popatrao N. Bhosale, Rupesh S. Devan, Yuan-Ron Ma, Pramod S. Patil. "PbS quantum dot sensitized anatase TiO<sub>2</sub> nanocorals for quantum dot-sensitized solar cell applications", *Dalton transactions*. Volume: 41, Year: 2012, pp 6130
3. **S. S. Kalagi**, D. S. Dalavi, S. S. Mali, A. I. Inamdar, R. S. Patil and P. S. Patil. "Study of Novel WO<sub>3</sub>-PEDOT:PSS Bilayered Thin Film for Electrochromic Applications", *Nanoscience and Nanotechnology Letters*, Volume:1(4), Year: 2012, pp ?
4. **S.S. Kalagi**, S.S. Mali, D.S. Dalavi, A.I. Inamdar, H. Im, P.S. Patil. "Transmission attenuation and chromic contrast characterization of R.F. sputtered WO<sub>3</sub> thin films for electrochromic device applications", *Electrochimica Acta*, Volume:85, Year: 2012, pp 501

**Year 2013-14****Dr.P.T.Hanamgond:**

1. P. T. Hanamgond. Sources of Sand, National Workshop Souvenir "Sand Mining: Present and Future Scenario with Alternate Source" by Mining Engineers' Association of India, Belgaum Chapter on 2/2/2014, pp 15-20

**Dr. N. D. Hegde:**

1. **N. D. Hegde**, PB Wagh, SC Gupta. Durability and restoring of superhydrophobic properties in silica-based coatings SA

Mahadik,PD. Fernando, Journal of Colloid and Interface Science, Volume: 405, Year: 2013, pp 262-268

**Mrs. L. S. Laxmeshwar:**

1. Mrs. L. S. Laxmeshwar. Core Cladding Mode Resonances of long period Fiber, IOSR journal of Applied Physics, July-August 2013, pp 41-46

**Dr. Mrs. A. R. Kulkarni:**

1. Dr. Mrs. A. R. Kulkarni. Gender Realities and Diasporic Dilemmas in the Fiction of Chitra Banerjee Divakaruni, Indian Journal of Post Colonial Literature, Vol. 11. No.2,. Dec-2011
2. Dr. Mrs. A. R. Kulkarni. Magic Realism and Diasporic Indian English Women's Fiction, Journal of Humanities, Vol.49, 2010-11,pp 0075-5168
3. Dr. Mrs. A. R. Kulkarni. The Image of New Women in the Fictional Works of jhumpa Lahiri, Indian Journal of Post Colonial Literature, Vol.12 No.2, June-2012.
4. Dr. Mrs. A. R. Kulkarni. Gender and Postcoloniality in Chitra Banerjee Divakaruni's the Place of Illusions, International Reputed Journal The Quest, Vol.26, No.1, June-2012.
5. Dr. Mrs. A. R. Kulkarni. Subversive Metanarratives of Post Modern Historiography in Amitav Ghosh's The Shadow Lines, The Quest, Vol.26, No. 2, Dec-2012.
6. Dr. Mrs. A. R. Kulkarni. Revisiting Culture: The Treatment of Myths in diasporic Indian English Literature, Dimensions of Indian diasporic Literature in English: An Exploration, Vol.1, 2013.

**Dr. S. G. Adoor:**

1. Dr. S. G. Adoor. Pervaporation separation of water-isopropanol mixtures using silicotungstic acid loaded sulfonatedpoly (ether ether ketone) composite membranes, RSC Advances, Vol 4 (2014), pp 52571.

**Dr. Miss. Tasneem Taj:**

1. Dr. Tasneem Taj & Ravindra Kamble. Facile Synthesis of Pyrazoline Derivatised Amides vi Sydnone Ring Cleavage and antioxidant activities, Indian Journal of Chemistry, 51 E323-E328 (2014), pp IF 1.22
2. Dr. Tasneem Taj & Ravindra Kamble. Expedient Synthesis of 1, 2, 4-treazoline-3-ones derivatives and their DNA cleavage and antioxidant activities, Indian Journal of Chemistry,
3. Vol.52B, June 2013, pp. 794-801. IF 0.648.

**Coastal Photographs with Context****Dr.P.T.Hanamgond:**

1. **Hanamgond P.T.** BONDI COAST, SYDNEY, AUSTRALIA- Coastal Cliffs Representing The Hawkesbury Sandstone Belt, Journal of Coastal Research, U.S.A., Vol.26(2), 2010, Cover page & ii.
2. **Hanamgond P.T.** Alveolar or Honeycomb Weathering of Coastal Cliffs at Bondi Beach, Sydney, Australia. (1 Photo), Journal of Coastal Research, U.S.A., Vol.27(5), 2011, pp 1002

**PAPERS PRESENTED AT SEMINARS (ABSTRACTS)****Dr.P.T.Hanamgond:**

1. A note on the occurrence of Inter-trappean beds near Deshnur, Belgaum, Karnataka. Presented (and Abstracted) at XXIII Indian Colloquium on Micropaleontology and Stratigraphy and International Symposium on global bioevents in the earth history, held on 9-11 Dec 2011.
2. Role of Research in quality enhancement. Paper presented at NAAC Sponsored National Seminar "Best practices of quality enhancement in higher education institutions", held on 24-25 August 2012, at SN Arts, DJM Commerce & BNS Science College, Sangamner.
3. Research Opportunities in Rural Colleges, Paper presented at UGC Sponsored National seminar "Re-accreditation and Rural Colleges", held on 5-6 October 2012, at Rajarshi Shahu Arts & Commerce College, Rukadi, Kolhapur.
4. Presented paper "Research Opportunities in Rural Colleges", and also acted as Rapporteur at 2 day UGC Sponsored National Seminar "Re-

accreditation and Rural Colleges” held at Rajarshi Shahu Arts and Commerce College, Rukadi, on 6th October 2012.

5. Presented paper “Research Opportunities in Rural Colleges”, and also acted as Rapporteur at 2 day UGC Sponsored National Seminar “Re-accreditation and Rural Colleges” held at Rajarshi Shahu Arts and Commerce College, Rukadi, on 6th October 2012.
6. Presented three joint papers- (1) Geochemical Assessment of Estuarine Sediments along Malvan Coast, Sindhudurg District, Maharashtra, India. (2) Depositional Environment of Colva Beach, West Coast, Goa, India. (3) Evolution of Kolamb Beach, Sindhudurg, West Coast of India, at the UGC Sponsored National Seminar “Coastal Environments and their Management” held at Mangalore University on 22 & 23 January, 2013.
7. Presented paper “The Coastal Geomorphology and Depositional Environment of Aravli-Vengurla Coast, Sindhudurg District, West Coast of India”, at 2 day International Seminar “Sedimentary Processes and Metallogeny through time (SPMT-2014)” held at SDMCET, Dharwad on 21<sup>st</sup> to 23<sup>rd</sup> January 2014.
8. Invited talk on “Field Work and Field data generation in Coastal areas”, presented at National Conference “Modern Trends in Coastal and Estuarine Studies”, 6 – 7 Feb 2014 , at Tilak Maharashtra Vidyapeeth, Pune.

**Dr. S. M. Deshpande:**

1. Presented a paper on “**Wood flour filled Rubber composites: Mechanical and Morphological study**” in UGC sponsored State Level Seminar on the topic “Recent Advances in Polymer materials” held on 31<sup>st</sup> January 2014.

**Dr. S. G. Adoor:**

1. Presented a research paper on ‘Pervaporation separation of water-isopropanol mixtures using novel sodium alginate membranes’ at Third International Multicomponent Polymer Conference’ at M.G. University, Kottayam, Kerala held from 23-25 March 2012.

**Mrs. Sunanda Kalai:**

- 1 Presented research paper on the topic entitled “Role of women in eradication of corruption “in Two days national seminar Organized by dept of pol- Science, RPD College Belgaum on 9<sup>th</sup> and 10<sup>th</sup> Feb 2012

2. Presented research paper on the topic entitled “Basavaraj kattimaniyavara kadambarigal vimarshe”at National seminar organized by Rangsampad Belgaum On 30<sup>th</sup> oct 2013.
3. Presented research paper on the topic entitled “Veerbhadra Parmpare – A study on Godachi Veerbhadra” at Three days national conference organized By Karnataka folklore university Gotagodi, Haveri On 28<sup>th</sup>, 29<sup>th</sup> & 30<sup>th</sup> jan 2014.
4. Presented research paper on the topic entitled “Basavannavar Vachanagalalli Asprasyate “ at one day state level seminar organized By Maratha mandal college Belgaum on 31th Jan 2014.

**Dr. H. B. Kolkar:**

1. Paper Presented on “Kannadadalli Anubhava Sahitya” University level Seminar – Seminar Organized by “Prasaranga” KUD at Dharwad, 31 December 2009.
2. Paper Presented on “Political Philosophy of Dr. B.R.Ambedkar. “Seminar Organized by – Academy of Comparative Philosophy and Religion (ACPR) at Belgaum, 13 April 2010.
3. Paper Presented on “Kannada Kavya Parampare Mattu Sanskruti Chintane” Seminar Organized by- Hukkeri Degree College, at Hukkeri, 17 April 2010.
4. Paper Presented on –“Gadibhagadalli Kannad Belavanige : Savalugalu” Seminar organized by- Kannada and Culture Dept . Belgaum (Govt.), 2 May 2010.
5. Special paper presented on –“Vanijjeekarangolluttiruva Shikshan Khsetra” Seminar organised by –“Sirigannada Rastreeya Pratisthana” Belgavi, 20 June 2010
6. Paper Presented on “Jinadatta Desai’s Poetry” at State level Seminar organized by Karnataka Sahitya Academy, Bangalore at Belgaum, 17 July 2011.
7. Paper Presented on “Hosagannada Kavya” at State level research Workshop organized by Kannada Sahitya Parishattu, at Bidar, 26<sup>th</sup> July 2011.
8. Paper Presented on “ Kanakadasa and Sarvadnya”, State Level Seminar, organized by Kanaka Abhivruddhi Pradhikara, Karnataka Govt. and Kalidasa Education Society, Badami, at Badami, 30<sup>th</sup> and 31<sup>st</sup> March 2013.
9. Paper Presented on “Belgaum Taluka Literature and Culture” in literary Conference at Kakati, Tal: Belgaum, 02-06-2013.

10. Paper Presented on “Social, Cultural and Philosophical concept of Kanakadasa” in ‘Kanaka Culture Workshop’ at Belgaum (Govt.) and worked as Director for Workshop, 11-08-2013.
11. Paper Presented On “Dr. D.R. Bendre Poetry And Its Relevance” In ‘Naadahabba’ State level Conference at Soudatti, 13-10-2013.

**Mrs. Anuja Naik:**

1. Event name: UGC Sponsored Two day National Seminar on “A.K. Ramanujan and the Post- Colonial Theory and Practice of Translation”, Organized by- Dept. of English, Lingraj College, Belgaum, 1 & 2 March 2014.

**Dr. S. G. Adoor:**

1. Exploration of separation of water-isopropanol mixtures using mixed matrix membranes of chitosan at National conference on ‘Emerging trends of Chemistry and material science, Gogte Institute of Technology, 13 October 2013.

**Mrs. G. Usharani:**

1. Presented paper entitled “A case study of Kattanbhavi: Conservation of Water” at National Conference on Biodiversity and It’s Conservation’, conducted at M.M. Arts, Commerce, Science and Home Science College, Belgaum.

**Shri. B. L. Majukar:**

1. Presented paper in National Seminar conducted by GSS College, Belgaum on multi- utility plants for Afforestation: A tonic for India Today in National Seminar on status of medicinal plants and their essentiality of conservation in India on 14 Feb. 2011 at Andman and Nicobar. Afforestation, 4th and 5<sup>th</sup> February 2014.

**Shri Y.B.Dalvi:**

1. Presented paper Multipurpose plants for Afforestation: in National Seminar conducted by GSS College, Belgaum on multi- utility plants for Afforestation, 4 & 5 February 2014.
2. Study on physico-chemical parameters in Fort Lake of Belgaum , Karnataka in National Seminar conducted by RPD College, Belgaum on Population, Environment and sustainable development: issues and challenges, 12<sup>th</sup> and 13<sup>th</sup> September 2014. Studies on diversity of



algae and physico-chemical parameters in Kanbargi lake of Belgaum on 7<sup>th</sup>-9<sup>th</sup> Nov'2014 at V. G. Vaze college, Mulund.

3. Studies on Biodiversity of algae and physicochemical parameters in fort lake of Belgaum, Karnatak.

**Mrs. L. S. Laxmeshwar:**

1. Presented paper on "Fiber Grating Sensor parallel to Atomic absorption spectrometer" in conference held at Banaras Hindu University, Varanasi from 10 to 12 January 2015.

**Shri. R. T. Katamble:**

1. "Anion exchange selectivity of thiosynate and iodide against chloride on Tulsion A-27 (MP) in water and 2-methoxyethanol mixed media at  $303 \pm 1K$ " in national level seminar on Material Science at Gogte Institute of Technology, Udyambag, Belagavi. (13 October 2014).
2. "Effect of Organic solvents on ion exchange selectivity of monovalent anions in aqueous and mixed-aqueous solvents on Tulsion A-27 (MP)" in National conference on recent trends in Material Chemistry and Engineering at RNS Institute of Technology, Channasandra Bangalore (September 29-30, 2011).

**Dr. A. R. Kulkarni:**

1. Presented paper in UGC Sponsored National seminar at Osmanabad in January 2011 titled "Magical Realism in Indian Women's Fiction with Reference to Chitra Banerjee Divakaruni, Suniti Nam Joshi and Kiran Desai.
2. Presented paper in the International Conference at SP Mahila University, Tirupati in January 2012 titled "Feminist Consciousness and Theme of Selfhood in Chitra Banerjee Divakaruni's The Vine of Desire".

**Dr. C. B. Joshi:**

1. "Presented a paper on Amar Koshasya Krute Luyee Rai's Mahadasasya Upahar" at international seminar at Allahabad on 20-21 Dec 2010.

**Prof. Surekha A. Nerlikar**

1. Presented a paper on "Micro-controller based telemetry data acquisition system" on 14-15 March 2014 at Govt. First grade college K. R. Pura, Bangalore.

**Dr S. S. Kalgi:**

1. International conference on nanomaterials and applications (ICNAMA-2008) Shivaji University, Kolhapur 7-9<sup>th</sup> Dec 2008
2. Commercialization of Renewable energy Technology (CRET2009) at D.Y Patil University, Kolhapur
3. National Conference on Solid state Ionics, “Materials for novel devices” 7-9<sup>th</sup> Dec 2009 at Central University, Sagar, M.P.
4. National Seminar on Advanced materials NSAM-2010 at Shivaji university Kolhapur
5. Workshop on Advanced Characterization Techniques at IIT Powai, Mumbai ,Maharastra,6<sup>th</sup> May 2010
6. National Symposium for research Scholars MR1-IIT Powai, Mumbai Maharashtra 7-8<sup>th</sup>, May 2010
7. Recent trends in harnessing Non conventional energy sources 15-16<sup>th</sup> Dec ,2010 at Vivekananda College, Kolhapur
8. Advances in synthetic methodologies and new materials 21-22<sup>nd</sup> , Jan 2011, Shivaji University Kolhapur
9. National Symposium on Physics of material and material based device fabrication NSPM-MDF 17-18<sup>th</sup> Feb 2011 Shivaji University Kolhapur
10. Plurichromism and absorbance behavior of PANI under Redox Cycling in a binary electrolyte
11. Switching characteristics and electrocoloration studies in R.F.Sputtered WO<sub>3</sub> thin films

**Prof. S. K. Hukkeri**

1. Presented a paper in UGC sponsored two days National Seminar on “Satellite Communication” 6-7<sup>th</sup> March 2010at Department of Electronics, Basaveshwar Science College, Bagalkot. Title: “Basic Satellite Communications and MSS”.
2. Refresher Course to train Lecturers selected through KPSC Bangalore. 21/10/2009 to 30/10/2009 Resource Person to present PU-II Physics Subject.
3. Refresher Course for Science Lectures of Pre University Colleges on 12/10/2010 at Dept. of Pre.University Education Gadag. Dist. Gadag. Presentation on Interference, diffraction and polarization.
4. Workshop on LASER and Applications on 30/10/2010. Presented Practical Laser applications demonstration Where?
5. Refresher Course for Science Lectures of Pre University Collegesfrom13/12/2010 to 18/12/2010 at Dept. of Pre.University

Education Gadag. Dist. Gadag. Presented Paper on Expt. Optics and Lasers.

6. Presented Paper in CHANDAN TV programme on “Modern Physics, Solid State physics, Nuclear Physics” in “CET-2011” “VIKASANA” a special programme for student and teachers on 22 and 23-02-2011.
7. Presented paper on Human Resource Development in Science and Technology at the Second State Level Science and Technology Conference – 2011 on 26-28<sup>th</sup> May, 2011 at J.N. Tata Auditorium, Indian Institute of Science Bangalore. Organized by: Karnataka State Council for Science and Technology, Vision Group on Science and Technology and Department of Science and Technology, Government of Karnataka.
8. Presented a paper on atomic physics - NMR, MRI etc at Jain College, Bangalore from 15/07/2011 to 19/07/2011. In a Subject based Refresher Course in Physics for Newly appointed Physics teachers. Organized by PU Education Department, Karnataka Government, Bangalore.
9. Presented a paper on “an innovative approach in PU Physics practicals” at the work shop on “Effective teaching and quality improvement” organized by RLS PU college Belgaum on 30<sup>th</sup> July, 2011.
10. Presented a paper on ‘Modern Physics and Experimental optics’ through based? training programme from D.S.E.R.T. Krishna Studio Bangalore to give training to 2500 Science lecturers. On 14<sup>th</sup> and 15<sup>th</sup> September, 2011.
11. Presented the paper on “OPTICS” through experiments in the Refresher Course for Physics teachers at Chitradurga on 11/10/2011. Organized by Joint director PU and vocational Education Department, Bangalore.
12. Presented Paper on Chemical Technology at the time of Vedic periods at International Conference on Life Sciences & Associated Technology in Ancient India – December 23-25, 2011. Sponsored by Government of Karnataka, Rashtriya Sanskrit Samathana, New Delhi, SriVadiraj Research Foundation Udupi. Venue: VignanaMantapam, NarasimhaTheertha ,Mulbagal
13. Presented paper on Bohr’s Atom Model, Photoelectric effect and Scattering of Light at therefrasher Course conducted by Vision Group on Science and Technology Bangalore and K.L.E. Society , Belgaum at B.K. College, Chokodi, on 25-01 2012.
14. Presented papers on Elasticity , Hydrostatics, Viscosity, Surface tension Electronic devices, Physics Experiments –I and Physics

Experiments II” on 9<sup>th</sup>, 10<sup>th</sup> and 11<sup>th</sup> May 2012 at RLS College Belgaum.

15. Presented paper on Innovative teaching of Physics at the Vision group on science and technology (a government of Karnataka initiative) in association with Angadi Institute of Technology and Management, Belgaum organized 4 day workshop on quality enhancement of teaching for excellence for the under graduate college teachers JULY 10 to 13, 2013.
16. Presented a paper on “ISON Commet” and Basics of Solar system, stars, galaxy, Universe etc. on 20<sup>th</sup> Dec 2013 at the One day Workshop organized by KarnatakaRajyaVidyanaParisht, Education department, Dr. S. J. NagalotimathVidnyana Kendra and Belgaum Association for Science Education at Science centre Belgaum.

#### **Dr. N. D. Hegde**

1. ‘Synthesis and Characterization of Hydrophobic Silica Aerogels using HDTMS as a co-precursor’ Oral presentation at the International Conference on Nanotechnology and Biosensors (ICNB-2010) organized by Raghu Engineering College, Visakhapatnam (A.P), 20<sup>th</sup> and 21<sup>st</sup> January, 2010.
2. ‘Sol Gel processing of TEOS based hydrophobic silica aerogels using trimethylethoxysilane as a co-precursor’ Oral presentation at the International Conference on ‘Nanotechnology- Materials and Composites for Frontier Applications’ at the Regal Hall, Hotel Le Meridien, Pune, on 14<sup>th</sup> and 15<sup>th</sup> Oct. 2010 organized by BharatiVidyapeeth Deemed University, Pune.
3. ‘Synthesis of Silica Aerogel Materials in Prescribed Shapes and Sizes’ Poster presentation at the ‘1<sup>st</sup> International Conference on Physics of Materials and Materials Based Device Fabrication’ held in Department of Physics, Shivaji University, Kolhapur during 17<sup>th</sup> to 19<sup>th</sup> January 2012.
4. ‘Energy Efficient Superinsulating Silica Aerogels’ Oral presentation at the UGC sponsored one day state level seminar on ‘Non-Conventional Energy Sources at the PET’s S. M. Bhandari Arts, R. R. Bhandari Commerce and S. K. Rathi Science College, Guledgudd on 11<sup>th</sup> February 2012.
5. ‘Silica Aerogels for oil spill and other organic liquids- A comparative study’ Oral presentation at the UGC sponsored two-day National Conference on ‘Nanomaterials: Applications and Properties’ organized by Department of Physics, Mula Education Society’s Arts, Commerce and Science College, Sonai, Maharashtra on 22<sup>nd</sup> and 23<sup>rd</sup> February 2013.

6. 'Hydrophobic Silica Aerogels for Anti-rust and Anticorrosive Coatings' Oral presentation at the UGC sponsored International Conference 'Emerging Horizons in Biochemical Sciences and Nanomaterials (EHBCSN-2013)' at Shri Shivaji Mahavidyalaya, Barshi from 28-30 Nov. 2013.

### Prof M. D. Tarlekar

1. Konkani Marathi Sanity parishad Belgaum 2009.
2. All India Level Konkani Marathi Sahitya Sammelan (Poetry) at Panaji 6<sup>th</sup> Jan 2010.
3. Marathi Sahitya Sammelan, at Kudremani. attended Bahubhasha Kavi sammelana on 31<sup>st</sup> Jan 2010 (Evening 6.00 p.m.).
4. Poetry Conference by Subhash Vachanalaya, Abdullat near Ichalkaranji 2<sup>nd</sup> Feb 2010.
5. Conference on post Independence women's poetry in Western Indian Languages central s.Akademi Pune 14<sup>th</sup> March 2010.
6. Chairperson of 'Asmita' women's Poetry Conf. by central sahitya Akademi, Mumbai. 30<sup>th</sup> April 2010.
7. Bahubhasha Kavi Sammelana, by Konkani Sahitya Akademi. Belgaum, 30<sup>th</sup> May 2010.
8. Kavi Anuwadak Programme "Discussion on Chandra Prakash Devel's "Awsan" translated by me As "Mrutyoo" Central Sahitya Akademi- Mumbai 24<sup>th</sup> Aug 2010.
9. Participated in "Bahubhasha Kavi Goshti". Organized during "Vishwa Kannada Sahitya Sammelana" held in Belgaum from 11<sup>th</sup> to 13<sup>th</sup> March 2011.
10. Poetry conference at PUNE University celebration of Marathi Day Birthday of noted Marathi writer Kusumgraj on 11.02.2012.

### List of Books Published

#### Prof. M. M. Shanbhag:

Sl No	Title	Author(s)	Name of the Publisher & year	Total Pages & Price
1.	'TicheeGosht' A short story collection	Madhuri M. Shanbhag	NavachaitanyaPrakashan, Borivali, 2009	Pages 175 Rs. 170/-
2.	'Keep of the Grass' Translation	Madhuri M. Shanbhag	Mehta Prakashan, Pune, 2011	Pages 175 Rs. 160/-
3.	'Smart Leadership' Translation	Madhuri M. Shanbhag	Mehta Prakashan, Pune, 2011	Pages 176 Rs. 150/-
4.	'Raan-Mevaa' Collection of Short stories	Madhuri M. Shanbhag	RadnyeePrakashan, Belgaum, 2012	Pages 24 Rs. 40/-

5.	Biography of Dr. Richard Feynman, Kavaliya Samshodhak	Madhuri M. Shanbhag	RajhansPrakashan. Pune, 2012	Pages 325 Rs. 275/-
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**Prof.S. K. Hukkeri**

6.	Harikathamrutha Sara-I	S. K. Hukkeri	Madhwa Yuvaka Sangha, Shahpur	Rs. 100/-
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**Prof.A. K. Mense:**

1.	“Swami Vivekanand Kon Hote” Publisher Shramik prathistan Kolhapur,	A. K. Mense		
2.	“Goa Mukti Andolanatil Comunistanche Yogdan	A. K. Mense		
3.	Dada Purav va Prema Purav	A. K. Mense		
4.	Belgavche Karyakarte	A. K. Mense		

**Dr. H. B. Kolkar:**

Sl No	Title	Author(s)	Name of the Publisher & year	Total Pages & Price
1.	Pracchya Nidhi', Criticisam and Research- KIA. (Edited).	Dr. H. B. Kolkar		
2.	'Pracchya Nidhi', Criticisam and Research- KIA. (Edited).	Dr. H. B. Kolkar		
3.	'Sahitya Manana-1' Text Book for RCUB B.Sc. 1 <sup>st</sup> semester Course (2012-2015).	Dr. H. B. Kolkar		
4.	'Belagavi Jilleya Dalita Kavya' (Poems) DSP (Edited).	Dr. H. B. Kolkar		
5.	'Dalita Dani' Criticism and Introductory Articles, DSP. (Edited).	Dr. H. B. Kolkar		
6.	'Sahitya Manana-2' Text Book for RCUB B.Sc. 2 <sup>nd</sup> semester Course (2012-2015).	Dr. H. B. Kolkar		

**Mrs. Meera Tarlekar:**

1	Mukta	Mrs. Meera Tarlekar	Aloparva prakashan, New Delhi, 2009. Isbn No. 81/87416/82/3	128p
2	Galaritala Akash	Mrs. Meera Tarlekar	Akansha Prakashan – Nagpur 2009. Isbn. No. 81/903716/8/	112p
3	Yashodhara	Mrs. Meera Tarlekar	Abhinandan Prakashan. 2010	80p
4	Labasa-Ravindranath Tagore	Mrs. Meera Tarlekar	Abhinandan Prakashan. 2010.	64p
5	Meerachi Niwadak Kavita “Atmanada”	Mrs. Meera Tarlekar	Navsahitya book stall, Belgaum, 2011. Isbn No.978/81/920981/0/4	157p
6	“Meera” Sahitya Prawas	Mrs. Meera Tarlekar	Gurukul Pratishthan, Pune 2012.	193p
7	Tekadinarcha Badam	Mrs. Meera Tarlekar	Manik Prakashan Kolhapur 2014.	196p
8	Jeevan Ani Sahitya	Mrs. Meera Tarlekar	Central Sahity Academy New Delhi (2010) ISBN 81/903716/8/7	62 p
9	Dinkar	Mrs. Meera Tarlekar	Translated Central Sahity Academy New Delhi (2013) ISBN No 978/81/260/4157/2	100p

**Prof. R. V. Jannu, B.D.Kolkar & A. K. Samant**

1	Text Book of Chemistry for B.Sc.I & II Semester (RCU).	Prof.R.V. Jannu, B.D.Kolkar & A.K. Samant	Gourav Book House 2010	200 p 125/-
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## ENCLOSURE NO.7

List of computers available in the college at various departments

Brand	Processor/RAM	Hard Disk	Department	Total
Lenovo	Pentium (R)/1GB	300 GB	Library	07
Lenovo	Pentium (R)/1GB	500 GB	Physics	05
Lenovo (laptop)	Pentium (R)/2GB	300 GB	Physics	02
Lenovo (PC+laptop)	Pentium (R)/2GB	500GB	chemistry	02
Lenovo	Pentium (R)/2GB	300 GB	chemistry	01
Lenovo (PC+laptop)	Pentium (R)/2GB	500 GB	Computer Science	32
Lenovo	Pentium (R)/2GB	500 GB	Language lab	11
Assembled Desktop	Pentium (R)/1GB	200 GB	Language	01
Lenovo laptop	Pentium (R)/2GB	500 GB	Language	01
Lenovo	Pentium (R)/2GB	500 GB	Office	10
LG	Pentium (R)/2GB	232.8 GB.	Office	01
01 Assembled & 01 Lenovo (PC)	Pentium (R)/2GB	500 GB	Geology	02
Lenovo laptop	Pentium (R)/2GB	500 GB	Geology	01
Dell (laptop)	i3/2 GB	500 GB	Geology	01
Lenovo (laptop)	i3/2GB	500 GB	Maths	01
Assembled PC	Pentium (R)/1GB	300 GB	Biology	01
Lenovo laptop	Pentium (R)/2GB	500 GB	Biology	02
Lenovo	Pentium (R)/1GB	300 GB	Gymkhana	01
Assembled	Pentium Intel Core i5 /4GB	250 GB	IQAC	01
Lenovo Laptop	i3/2GB	500 GB	IQAC	01
<b>Total Number of Computers</b>				<b>84</b>



**ENCLOSURE NO.8**

**MANAGEMENT RESOLUTIONS**

**Tuesday, 4<sup>th</sup> June 2013.**

RESOLUTION NO.1 : After sufficient discussion it is unanimously resolved to appoint the following Teaching staff in the Department mentioned below for the year 2012-2013.

1. Lect. in Mathematics.
2. Lecturer in Biology
3. Lecturer in Kannada.

**- appointed**

RESOLUTION NO.3: Read the application of Mrs. L. S. Laxmeshwar, attending for Ph.D Course work. It is resolved to issue the N.O.C to enable her to attend the course. **– NOC issued**

RESOLUTION NO.4: After sufficient discussion it is resolved to encourage the Vidya Poshak students to be given relaxation from the Society fees.

RESOLUTION NO.5: It is decided to polish the Benches of the New Building & Parulekar Building immediately & the Black Boards of the Parulekar Building to be repaired where required. **– undertaken and completed.**

**Tuesday, 2<sup>nd</sup> July 2013.**

RESOLUTION NO. 1 : It is resolved to distribute the Ramnathkar Prize Scholarship to deserving students on 19<sup>th</sup> July 2013 & Principal of G. S. S. College is advised to make necessary arrangements in this regard. **-- event conducted**

RESOLUTION NO.2: It is resolved to purchase the UGC Books required from S.K. E. Society, account & the books purchased from the college account should be transferred to S.K.E. Society. **– implemented**

RESOLUTION NO.3: Read the application of Dr. Rashmi Shenoy, & after discussion it is resolved to appoint her in the Chemistry Department at Rs. 25,000/-. **-- appointed**

RESOLUTION NO.6: Read the application of Dr. V. A. Sungar & Dr. S. G. Adur, Associate Profs. in Chemistry. It is resolved to send their proposal to the Joint Director, Department of Collegiate Education, Dharwad, to move their AGP from Rs. 6000/- to Rs. 7000/- immediately. **-- forwarded**

**Tuesday, 13<sup>th</sup> August 2013.**

RESOLUTION NO.1: It is unanimously resolved to arrange the opening ceremony of the Sports Academy in the College Campus on 29<sup>th</sup> August 2013 at 4.00 p.m. **-- implemented**

RESOLUTION NO.2 : Looking after the improvement of the library it is resolved to conduct Joint meeting I the Library & both the Principal's are advised to conduct the same & inform discussion to the management. **-- implemented**

RESOLUTION NO.3: After sufficient discussion it is resolved to arrange Lecture by Shri. Suresh Prabhu on 13<sup>th</sup> September 2013 for Dr. Y. K. Prabhu Memorial, & Principal S. Y. Prabhu is hereby directed to conduct the function smoothly. **-- implemented**

RESOLUTION NO.5: After discussion it is resolved to constitute the Ladies Committee to look after the cleanliness of the ladies toilets in the campus. **-- responsibility given to Ladies' Association.**

RESOLUTION NO.6: It is unanimously resolved to made the new black boards in the Parulekar Building in all class rooms immediately. – **implemented**

RESOLUTION NO.7: It is resolved to arrange the opening ceremony on 2.9.2013 at 11.30 a.m. as the extension of the Library building is completed. It is also resolved to arrange the talk of Shri. Sagar Deshpande during the function. **-- implemented**

**Tuesday, 3<sup>rd</sup> September-2013**

RESOLUTION NO.2: After sufficient discussion, it is resolved to redeploy Prof. P. M. Bhat, Asst. Prof. in Botany, to G. S. Sc. Degree College with immediate effect in place of Prof. M. A. Kadam, Associate Prof. in Botany & the proposal to be submitted & get approval from the Joint Director, Department of Collegiate Education, Dharwad in this regard. **-- implemented**

RESOLUTION NO.3: Read the Govt. Order from the Commissioner, Department of Collegiate Education, Bangalore, & thereafter it is resolved to retain the following Teaching Staff members of G. S. S. Degree College, Belgaum, instead of sending them other colleges. The Principal's of the both colleges are hereby advised to send the proposal in this regard & take approval from the Joint Director, Department of Collegiate Education, Dharwad. Prof. Meera Tarlekar & Dr. H. B.

Kolkar are transferred from R. P. D. College, Belgaum, to G. S. S. College, Belgaum. **-- implemented**

RESOLUTION NO.5: After the sufficient discussion & request from the Principal, G. S. S. College, Belgaum. Prof. A. V. Kapileshwari is asked to arrange workshop to the teachers of the college. The Principal, G. S. S. College, is hereby advised to fix the date & time as well as resource person in this regard. **-- implemented**

**Tuesday, 1<sup>st</sup> October 2013.**

RESOLUTION NO.2: Prof. S. Y. Prabhu, Principal, G.S.S. Degree College, Belgaum, will be retiring on 31.10.2013 after office hours on account of superannuation. It is resolved that he should be relieved and his pension proposal may be sent to Joint Director Office, Dharwad. **-- implemented**

RESOLUTION NO.3: Prof. D. P. Deshpande of Department of Physics retired on 30 September 2013 after office hours on account of superannuation. So, Prof. P. S. Patil may be promoted from Pre-University to Degree College. **-- implemented**

**Tuesday, 5<sup>th</sup> November 2013.**

RESOLUTION NO.2: A Proposal to start PG Course in Geology, Botany & Zoology be prepared and it may be submitted to Registrar, Rani Channamma University, Belagavi. **--submitted**

RESOLUTION NO.3: G. S. Sc. College can make memorandum of understanding with following institutions to achieve academic excellence.

1. KLE Society's B. K. Kankanawadi Ayurvedic College.
2. National Institute of Hydrology.
3. Mining Engineers Association of Industry
4. SarvajaniC Vachanalaya, Belgaum.
5. Memorandum of Understanding draft has to be approved SKE Society, Belgaum. **-- MoU's signed with KLE Society's B. K. Kankanawadi Ayurvedic College.**

**Tuesday, 3<sup>rd</sup> December 2013.**

RESOLUTION NO.2: There is a workload of 56 hours in the Department of Geology (Dr. P. T. Hanamgond : 20 hrs, & Prof. A. K. Mense : 06 hrs.) So 01 full-time and 01 part-time lecturer on temporary basis may be appointed in this Department of Geology from 16. 12. 2013. **-- appointed**

RESOLUTION NO.3 : There is need Full Time Clerk in the library as one Clerk may be appointed on full time temporary basis. -- **appointed**

**Tuesday, 7<sup>th</sup> January 2014.**

RESOLUTION NO.3 : Prof. T. M. Amminbhavi will be allowed to work in the college as Prof. emeritus. -- **Informed**

**Tuesday, 4<sup>th</sup> February 2014.**

RESOLUTION NO.2 : It is unanimously resolved to provide uniform to Non-Teaching staff Attenders & Clerks of G. S. Sc. Degree College & Pre-University College. Every year two pairs of Shirts and pants to all Attenders and two shirts to all Clerks working in the Office and Library, and to Lady Staff members two aprons may be provided. Selection of cloth may be made by the staff themselves. They are to be in uniform while they are in the campus. They have to take care of their uniform. College identity will be embroidered on the uniform. -- **implemented**

RESOLUTION NO.3 : It is resolved to that these two G. S. S. College, Belgaum, & G. S. College of B.C.A., Belgaum, be shown separate entities and they may be allowed to grow and prosper independently. Mutual co-operation be extended whenever required. -- **implemented**

**Tuesday, 4<sup>th</sup> March 2014.**

2. Appointment of Kannada Lecturer :

Since Dr. H. B. Kolkar is redeployed to R. P. D. College of Arts there is a part-time vacancy in G. S. Sc. Degree College. This vacancy may be filled by appointing Smt. S. M. Kalai. Her appointment will be on purely temporary basis. She will work till the end of semester i.e., 20<sup>th</sup> April 2014. She will be given consolidated salary. -- **implemented**

3. Sending LOI to NAAC :

It is resolved that, decision of sending LOI to NAAC be taken in the IQAC meeting. In the IQAC Shri. S. Y. Prabhu, Shri. A. L. Gadgil, Dr. B. N. Joshi may be invited. -- **implemented**

4. To have Wi-Fi in the campus : It is resolved that, making the campus Wi-Fi may be postponed and more number of connections may taken. -- **implemented**

5. It is unanimously resolved to start a Coaching Academy for all types of Competitive Examinations like UPSC, MPSC, KPSC and other competitive exams from March, 2014, in the G. S. Sc. College Campus, Tilakwadi, Belgaum. -- **implemented**

6. Coaching Academy Committee : It is also unanimously resolved to form a committee of following members to attend day to day activities of coaching academy.

1. Shri. Sudhir. V. Shanbhag
2. Shri. Pankaj M. Shivalkar
3. Smt. Lata A Kittur
4. Shri. Vinayak Ajgaonkar
5. Shri. Anand L Gadgil

**-- implemented**

**Tuesday, 1<sup>st</sup> April 2014.**

**Appointment of Staff in Coaching Academy.**

Resolution No. 2: After discussion committee came to the conclusion that G. S. Sc. College, Coaching Academy has begun, and it requires some time to take shape. Till it takes proper shape No permanent coordinator should be appointed. For day to day cleaning work help of college attender to be taken. **-- implemented**

**Any other subject with permission to the chair.**

Resolution No. 3 : So far Department of Computer Science was treated as part of Department of Physics. Now it is observed that Department of Computer Science is able to carry on its activities independently. So it should be allowed to function as an independent department. **-- implemented**

**Tuesday, 6<sup>th</sup> May 2014.**

**Appointment of Staff**

Resolution No. 2 : Filling the vacancies created out of superannuation. There are Vacancies are to be filled before the re-opening of the college. These posts should be advertised in Marathi, Kannada & English Daily's. After receiving their applications they may be scrutinized and then they may be called for interview. **-- implemented**

**Any other subject with permission to the Chair.**

Dr. Bhaskar N. Joshi, M.Sc. Ph.D be invited as academic expert in the Managing Committee whenever needed.

**Tuesday 3<sup>rd</sup> June 2014.**

A committee be formed to prepare the vision document of the institution. Following will constitute the committee.

1. Shri. S. V. Shanbhag.

2. Shri. P. M. Shivalkar
3. Dr. B. N. Joshi.
4. Shri. S. Y. Prabhu.

**Tuesday, 1<sup>st</sup> July 2014.**

RESOLUTION NO.3 : It is unanimously resolved that, the demand of the furniture is genuine and it may be provided to respective classrooms and department immediately, & Newly started Coaching Academy also needs furniture. That also be provided. **-- implemented**

RESOLUTION NO.4. : Budget of the UPSC Fair to be held on 10<sup>th</sup> August 2014. Shri. Anand Mense, Principal, presented the Budget of the UPSC Fair before Meeting. After discussion it was approved. **-- implemented**

## ENCLOSURE NO. 9

## AUDITED REPORTS OF COLLEGE FOR LAST FOUR YEARS

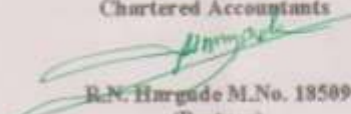

Year 2010-11

EXPENDITURE		AMOUNT	AMOUNT	INCOME		AMOUNT	AMOUNT
<p>Marathe Hargude &amp; Co Chartered Accountants F-4, First Floor, Mangal Apartment, Ramdev Galli, Belgaum - 2 Ph No. 2423616, 4216229 Mobile 9341163838</p> <p style="text-align: right;">Partners : S.R. Marathe B.A., B.Com, FCA. R.N. Hargude B.Com, L.L.B., FCA.</p> <p style="text-align: center;"><b>S.K.E. SOCIETY'S</b> <b>GOVINDRAM SEKSARIA SCIENCE DEGREE COLLEGE, TILAKWADI, BELGAUM.</b> <b>INCOME AND EXPENDITURE STATEMENT FOR THE YEAR ENDING 31.03.2011</b></p>							
<b>To Salary &amp; Allowances:</b>				<b>By Salary Grant</b>			38311679.00
<b>Teaching Staff:</b>				<b>By Direct Receipts / Fees :</b>			
Basic Pay.	23177250.00			Tuition Fees.	647198.00		
C.C.A.	51680.00			Laboratory Fee.	178699.00		
D.A.	11557592.00			Certificate Fee.	10630.00		
H.R.A.	2160233.00			Laboratory Fee. (Arrears)	72759.00		
Salary Difference.	1471537.00	38418292.00		Tuition Fees (Arrears)	263099.00		
				Student Fine.	3155.00		
<b>Non-Teaching Staff:</b>				Interest	293364.11		
Basic Pay.	842450.00			Admission Fees.	15741.00		
C.C.A.	7280.00			Price Sale of Form Fees.	55815.00	1540460.11	
H.R.A.	78220.00						
D.A.	409421.00			<b>By Specific Fees:</b>			
Salary Difference.	84716.00	1422087.00		Library Fees.	42491.00		
				Sports Fees.	55698.00		
To Local Candidate Salary.		2686471.00		College Annual Syllabus.	32200.00		
				College Test Examination.	64751.00		
<b>To Laboratory Consumable:</b>				Medical Exam Fee.	13524.00		
Botany Lab.	3268.00			Association Fee.	25760.00		
Chemistry Lab.	107813.00			Reading Room Fee.	41216.00		
Computer Lab Expenses.	40850.00			Class Cultural Programme.	19320.00		
Gas Expenses.	14229.00			Text Book.	12719.00	307679.00	
Generator A/c.	17465.00						
Physics Lab Expenses.	24671.00			<b>By University Fees:</b>			
Zoology Lab. Expenses.	7791.00	216087.00		K.U. Fee.	173673.00		
				K.U. Examination Fee.	380375.00		
<b>To University Fees:</b>				K.U. Late Admission Fee	9760.00		
K.U. Fee.	173600.00			Examination Remuneration.	235538.00		
K.U. Examination Fee.	380275.00			Registration Fee.	93225.00	892571.00	
K.U. Late Admission Fee	9760.00						
Examination Remuneration.	156628.00			<b>By Price of Lost Book Recovered</b>			40.00
Registration Fee.	93225.00	813488.00		<b>By CPE Interest</b>			51781.00
				<b>By CPE Grant A/c (UGC)</b>			500000.00
				<b>By Cultural Activities Receipts</b>			830.00
				<b>By Youth Festival Receipts</b>			65000.00
				<b>By Work Shop of International year of CH A/c</b>			100000.00
				<b>By UGC Workshop Seminar A/c</b>			15000.00



<b>Marathe Hargude &amp; Co</b> <i>Chartered Accountants</i> F-4, First Floor, Mangal Apartment, Ramdev Galli, Belgaum - 2 Ph No. 2423616, 4216229 Mobile 9341103838		Partners : S.R. Marathe B.A., B.Com, FCA. R.N. Hargude B.Com, L.L.B., FCA.	
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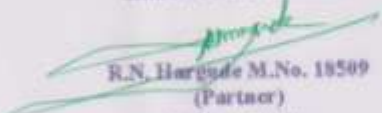

<u>EXPENDITURE</u>	<u>AMOUNT</u>	<u>AMOUNT</u>	<u>INCOME</u>	<u>AMOUNT</u>	<u>AMOUNT</u>
To Contingency Expenses		260169.95			
To Principal Allowance		16000.00			
<b>To Expenditure towards Specific Fees:</b>					
Sports Fees.	55698.00				
Journal & Periodical	5280.00				
College Annual & Syllabus.	31580.00				
College Test Exam.	48800.00				
Association Fee.	25689.00				
Reading Room A/c.	16552.00				
Class Cultural Prog.	19502.00				
Price Sale of Form	<u>44000.00</u>	247101.00			
<b>To Repairs</b>					
Equipment Repairs.	4950.00				
Minor Repairs.	<u>4675.00</u>	9625.00			
Examined and found correct, vide report of even date					
For M/s Marathe Hargude & Co					
Chartered Accountants					
 R.N. Hargude M.No. 18509 (Partner) FRN:002008S					
					
To Depreciation Reserve A/c		941020.00			
To Cultural Activities		830.00			
To CPE Recuring Expenses		846940.00			
To Excess of Income over Expenditure (Surplus)		406929.16			
Place : Belgaum					
Date : 01.08.2011		<u>46285040.11</u>			<u>46285040.11</u>




## Year 2011-12

EXPENDITURE		AMOUNT	AMOUNT	INCOME		AMOUNT	AMOUNT
<p>Marathe Hargude &amp; Co Chartered Accountants F-4, First Floor, Mangal Apartment, Runder Galli, Belgaum - 2 Ph No. 2423616, 4216229 Mobile 9341103838</p> <p>Partners : S.R. Marathe B.A., B.Com, FCA. R.N. Hargude B.Com, L.L.B., FCA.</p>							
<p><b>S.K.E. SOCIETY'S</b> <b>GOVINDRAM SEKSARIA SCIENCE DEGREE COLLEGE, TILAKWADI, BELGAUM.</b> <b>INCOME AND EXPENDITURE STATEMENT FOR THE YEAR ENDING 31.03.2012</b></p>							
To <u>Salary &amp; Allowances:</u>				By Salary Grant		54025060.00	
<u>Teaching Staff:</u>				By Local Candidate Salary		24123.00	
Basic Pay.	49334787.00						
Salary Difference.	3604501.00	52939288.00		By <u>Direct Receipts / Fees :</u>			
<u>Non-Teaching Staff:</u>				Tuition Fees.		733792.00	
Basic Pay.	1105083.00			Laboratory Fee.		203346.00	
Salary Difference.	80408.00	1185491.00		Certificate Fee.		12265.00	
To Encashment of Leave Salary (Non-Teaching)		21844.00		Laboratory Fee. (Arrears)		96081.00	
To Encashment of Leave Salary (Teaching)		616244.00		Tuition Fees (Arrears)		349331.00	
To Local Candidate Salary.		3360740.00		Student Fine.		5176.00	
				KSSW/KSTW Fund		30408.00	
				Interest		344922.13	
				Interest (UGC)		78676.00	
				Admission Fees.		14302.00	
				Price Sale of Form Fees.		177570.00	2045869.13
To <u>Expenditure towards Specific Fees:</u>				By <u>Specific Fees:</u>			
Sports Fees.	52968.00			Library Fees.		47753.00	
College Annual & Syllabus.	35719.00			Sports Fees.		52267.00	
College Test Exam.	71865.00			College Annual Syllabus.		35800.00	
Association Fee.	30967.00			Breakage Fees		4297.00	
Reading Room A/c.	18848.00			College Test Examination.		71823.00	
Class Cultural Prog.	23940.00			Medical Exam Fee.		16137.00	
Medical Exam Fees	4434.00			Association Fee.		31465.00	
National Flag Fee	8700.00			National Flag Fee		8700.00	
Admission Fees	5358.00			Reading Room Fee.		48448.00	
Library Fees	5246.00			Class Cultural Programme.		23940.00	
KSSW/KSTW Fund	34051.00			Text Book.		11205.00	351835.00
Laboratory Fee. (Arrears)	948.00						
Tuition Fees (Arrears)	3428.00			By <u>University Fees:</u>			
Price Sale of Form	143170.00	439642.00		K.U. Fee.		209876.00	
				K.U. Examination Fee.		1058805.00	
To <u>University Fees:</u>				K.U.Late Admission Fee		18080.00	
K.U. Fee.	209876.00			Examination Remuneration.		359872.00	
K.U. Examination Fee.	1058805.00			Registration Fee.		80875.00	1727508.00
K.U.Late Admission Fee	18080.00						
Examination Remuneration.	320181.00						
Registration Fee.	80875.00	1687817.00					



EXPENDITURE		AMOUNT	AMOUNT	INCOME		AMOUNT	AMOUNT
<b>Marathe Hargude &amp; Co</b>							
<i>Chartered Accountants</i>							
-4, First Floor, Mangal Apartment, Ramdev Galli, Belgaum - 2							
Ph No. 2423616, 4216229							
Mobile 9341103838							
Partners :							
S.R. Marathe							
B.A., B.Com, FCA.							
R.N. Hargude							
B.Com, L.L.B., FCA.							
<b>To Laboratory Consumable:</b>							
Botany Lab.		3532.00		By Price of Lost Book Recovered		1297.00	
Botanical Garden		625.00		By UGC National Seminar in Maths		109900.00	
Chemistry Lab.		12661.00		By Sale of Library Books		28695.00	
Computer Lab Expenses.		32185.00		By Botany Workshop on Pharmacognosy		5835.00	
Gas Expenses.		27965.00		By UGC Contingency A/c		15000.00	
Generator A/c.		8732.00		By Inter-Collegiate Cricket Tournament		20401.00	
Physics Lab Expenses.		126.00		By Inter-Collegiate Football Tournament		2970.00	
Zoology Lab. Expenses.		4626.00	90452.00	By RCU Swimming Competition		6300.00	
				By DST Inspire Program GSS college		800000.00	
To Contingency Expenses			191883.72	<b>By Excess of Expenditure over</b>			6189249.59
To Inter-Collegiate Cricket Tournament			20401.00	<b>Income (Deficit)</b>			
To Inter-Collegiate Football Tournament			2970.00				
To KU International year of Chemistry			102713.00				
To RCU Swimming Competition			6300.00				
To DST Inspire Program GSS college			834596.00				
To UGC National Seminar in Maths			138046.00				
To Botany Workshop on Pharmacognosy			5835.00				
To UGC Contingency A/c			15000.00				
To CPE Recurring Expenses			567645.00				
To CPE Non Recurring			1822182.00				
<b>To Repairs</b>							
Equipment Repairs.		988.00					
Minor Repairs.		845.00	1833.00				
To Depreciation Reserve A/c			1303120.00				
"Examined and found correct, vide report of even date"							
For M/s Marathe Hargude & Co							
Chartered Accountants							
 R.N. Hargude M.No. 18509 (Partner) FRN:0020085							
							
Place : Belgaum							
Date : 01.08.2012			<u>65354042.72</u>				<u>65354042.72</u>

Year 2012-13

<b>Marathe Hargude &amp; Co</b> Chartered Accountants 		F-4, First Floor Mangal Apartment Ramdev Galli, Belgaum Phone No. 2425616, 4216229			
<b>S.K.E. SOCIETY'S</b> <b>GOVINDRAM SEKSARIA SCIENCE DEGREE COLLEGE, TILAKWADI, BELGAUM.</b> <b>INCOME AND EXPENDITURE STATEMENT FOR THE YEAR ENDING 31.03.2013</b>					
<u>EXPENDITURE</u>	<u>AMOUNT</u>	<u>AMOUNT</u>	<u>INCOME</u>	<u>AMOUNT</u>	<u>AMOUNT</u>
<b>To Salary &amp; Allowances:</b>			By Salary Grant		61954420.00
<u>Teaching Staff:</u>			By Local Candidate Salary		10316.00
Basic Pay.	52618142.00		<b>By Direct Receipts / Fees :</b>		
Salary Difference.	<u>6498284.00</u>	59116426.00	Tuition Fees.	721594.00	
<b>Non-Teaching Staff:</b>			Laboratory Fee.	199554.00	
Basic Pay.	1937873.00		Certificate Fee.	13350.00	
Salary Difference.	<u>27400.00</u>	1965273.00	Laboratory Fee. (Arrears)	10425.00	
To Encashment of Leave Salary (Teaching)	1425048.00		Tuition Fees (Arrears)	246796.00	
To Local Candidate Salary.	<u>3691504.00</u>		Student Fine.	4320.00	
			KSSW/KSTW Fund	21780.00	
			Interest	372019.17	
			Processing Fees	18200.00	
			Admission Fees.	16269.00	
			Price Sale of Form Fees.	<u>73215.00</u>	1697525.17
<b>To Expenditure towards Specific Fees:</b>			<b>By Specific Fees:</b>		
Sports Fees.	70433.00		Library Fees.	45705.00	
College Annual & Syllabus.	36074.00		Sports Fees.	68818.00	
College Test Exam.	72589.00		College Annual Syllabus.	36300.00	
Association Fee.	28997.00		College Test Examination.	72600.00	
Reading Room A/c.	35655.00		Medical Exam Fee.	15246.00	
Class Cultural Prog.	21779.00		Association Fee.	28997.00	
Medical Exam Fees	4912.00		National Flag Fee	12150.00	
National Flag Fee	16705.00		Reading Room Fee.	46464.00	
Tuition Fees.	3428.00		Class Cultural Programme	21780.00	
Library Fees	1911.00		Text Book.	<u>6296.00</u>	354356.00
KSSW/KSTW Fund	21313.00				
Laboratory Fee. (Arrears)	18200.00		<b>By University Fees:</b>		
Price Sale of Form	<u>60790.00</u>	392786.00	K.U. Fee.	279523.00	
			K.U. Examination Fee.	1273510.00	
<b>To University Fees:</b>			K.U. Late Admission Fee	11500.00	
K.U. Fee.	240075.00		K.U.D. Examination Fee.	25065.00	
R.C.U. Examination Fee.	1273610.00		Examination Remuneration	442690.00	
K.U.D. Examination Fee.	25065.00		Registration Fee.	<u>100000.00</u>	2132288.00
K.U. Late Admission Fee	11500.00				
Affiliation Fee	63000.00				
Examination Remuneration	232120.00				
Registration Fee.	<u>100000.00</u>	1945370.00			



EXPENDITURE		AMOUNT	AMOUNT	INCOME		AMOUNT	AMOUNT
<u>To Laboratory Consumable:</u>				By Price of Lost Book Recovered		144.00	
Botany Lab.		3330.00		By UGC National Seminar in Maths		28146.00	
Chemistry Lab.		340.00		By Sale of Library Books		704.00	
Computer Lab Expenses.		1263.00		By DST Inspire Program GSS college		34596.00	
Gas Expenses.		38471.00		By CPE Recuring		1395.00	
Generator A/c.		15050.00		By Sale of Raddhi		240.00	
Physics Lab Expenses.		1142.00					
Geology Lab Expenses		1000.00					
Zoology Lab. Expenses.		2012.00	62608.00				
To Contingency Expenses			153583.42				
To CPE Recuring Expenses			1064101.00	<u>By Excess of Expenditure over</u>		4951457.25	
To CPE Non Recuring			18450.00	<u>Income (Deficit)</u>			
To Profession Tax A/c			2566.00				
<u>To Repairs</u>							
Equipment Repairs.		11500.00					
Minor Repairs.		5345.00	16845.00				
To Depreciation Reserve A/c			1311427.00				
			<u>71165987.42</u>				<u>71165987.42</u>

\*Examined and found correct, vide report of even date

For M/s Marathe Hargude & Co  
Chartered Accountants


*Hargude*  
C.A.S.R. Hargude M.No 229583  
Partner  
FRN:002008S



Place : Belgaum  
Date : 22.07.2013



Year 2013-14

Marathe Hargude & Co				F-4, First Floor	
Chartered Accountants				Mangal Apartment	
				Randeve Galli, Belgaum	
				Phone No. 2423616, 4216229	
<b>S.K.E. SOCIETY'S</b>					
<b>GOVINDRAM SEKSARIA SCIENCE DEGREE COLLEGE, TILAKWADI, BELGAUM.</b>					
<b>INCOME AND EXPENDITURE STATEMENT FOR THE YEAR ENDING 31.03.2014</b>					
EXPENDITURE	AMOUNT	AMOUNT	INCOME	AMOUNT	AMOUNT
<b>To Salary &amp; Allowances:</b>			<b>By Salary Grant</b>	51211719.00	
<b>Teaching Staff:</b>			<b>By Local Candidate Salary</b>	137757.00	
Basic Pay,	47589953.00		<b>By Salary Recovery</b>	107263.00	
			<b>By Interest A/c</b>	340212.48	
<b>Non-Teaching Staff:</b>			<b>By UGC Substitute Staff Salary Grant</b>	116452.00	
Basic Pay,	1829344.00				
Salary Difference,	51881.00	1881225.00			
			<b>By Direct Receipts / Fees :</b>		
UGC Substitute Staff Salary Expenses	116452.00		Tuition Fees,	1206656.00	
To Encashment of Leave Salary(Teaching)	1740541.00		Laboratory Fee,	333696.00	
To Local Candidate Salary,	4909457.00		Certificate Fee,	14470.00	
To Salary Recovery	22950.00		Student Fine,	5490.00	
To Surrender Leave Salary (Non Teaching)	105888.00		Laboratory Fee. (Arrears)	50007.00	
			Tuition Fees (Arrears)	180827.00	
<b>To Expenditure towards Specific Fees:</b>			Processing Fees	8750.00	
Tuition Fees,	1714.00		KSSW/KSTW Fund	22350.00	
Sports & Union Fees,	47273.00		Admission Fees,	21366.00	
National Flag Fee	19650.00		Sale of Form Fees,	139100.00	1982712.00
Syllab. & College Magazine	37198.00				
College Test Exam	74279.00		<b>By Specific Fees:</b>		
Library Fee	64.00		Library Fees,	47680.00	
Laboratory Fees	474.00		Sports & Union Fees(Gym Fee)	47680.00	
Admission Fee	53.00		College Annual Syllabus,	37250.00	
Association Fee	30064.00		College Test Examination,	74731.00	
KSSW/KSTW Fund	22105.00		Medical Exam Fee,	15854.00	
Reading Room Fee	38377.00		Association Fee,	30064.00	
Medical Exam Fees	4149.00		Reading Room Fee,	49806.00	
Class Cultural Programme	25475.00		Class Cultural Programme,	25705.00	
Sale of Form	115230.00	416105.00	National Flag Fee	19650.00	
			Text Book,	5246.00	353666.00
<b>To University Fees:</b>			<b>By University Fees:</b>		
R.C.U.Fee	249281.00		R.C.U. Fee,	247875.00	
R.C.U.Examination Fee,	1506965.00		R.C.U. Examination Fee,	1506965.00	
K.U.D.Examination Fee,	6220.00		K.U.D.Examination Fee,	6220.00	
Late Admission Fee	6750.00		University Late Admission Fee	6750.00	
Affiliation Fee	30000.00		Exam Remuneration .	342515.00	
Exam Remuneration,	248656.00		Registration Fee,	121200.00	2231525.00
Registration Fee,	121200.00	2169072.00			
To Fee concession to Other BC.II&III	109478.00				
To Fee Concession To Cat II & III	86188.00				
To DST Inspire Internship Camp 2013	939496.00				



## ENCLOSURE NO.10

**Summary of the Green Audit report 2014-2015**

- Unique innovative approach of integrating current students, alumni students, students who studied in the GSS college and now studying in different institutions in various cities, teaching - non teaching staff members, is followed to complete this Environment – Green assessment process. **ISO 14001** Guidelines for Environment compliance were also used to undertake this audit.
- Detailed scientific assessment of - Overall environmental management , Energy management, Water and waste water management, Solid Waste management, Noise monitoring and control, Health hazards - Fire- Safety assessment, Emergency response, Biodiversity and ecology, Resource conservation initiatives, Staff awareness assessment, Publicity of environmental information, Process sustainability etc. was undertaken.
- A heterogeneous group of 37 diverse minds have invested 535 (five hundred and thirty five) hours of time and energy to complete this baseline assessment report.
- Out of 28 acres of institution area approximately 25 % area (about 6 acres has constructions and built environment, whereas the remaining 75 % area comprising about 22 acres of land is under Green cover and open spaces.
- On average the entire campus requires approximately about 135 kwh of electrical energy every month. Lowest consumption being 98 kwh and highest up to 180 kwh. This variation is due to season, full fledged practical laboratory sessions, examination schedule in the academic year etc.
- All the sounds levels recorded in the campus at ten locations are under permissible limits and do not fall under the limits of Noise pollution.
- Calculation potential of Rain water harvesting was done for the built infrastructure in the campus at 50% efficiency = 2,31,81,818 liters (2.3 crore liters)
- As a leading educational institution, we are responsible for the effluents generated by us and are proposing a *500 lit ETP (Effluent treatment plant) to be installed.*
- The college has a compost pit located in the botanical garden area, which are filled with the biodegradable garden waste.
- Recently there are two efficient biomass based burners installed near for water heating. This shall become a sustainable process of efficiently managing the natural waste material other than compost.
- Laboratories in all the departments are equipped with fire extinguishers and the staff is trained in fire fighting. Till date there is no single fire accident recorded in the campus.

- All laboratories have basic first aid kits and are used frequently for treatment of cuts and scratch wounds.
- Majority of the campus area is under CCTV surveillance for the security purposes.
- The entire college campus supports a rich ecological diversity. More than 10 % of floral and faunal species found in the Belgaum district, can be observed in this campus alone.

<b>Biological Diversity – Species richness</b>			
<b>Kingdom - Plantae</b>	<b>No of species</b>	<b>No of species</b>	<b>Kingdom - Animalia</b>
Bryophytes	7	1	Annelid
Pteridophytes	10	>33	Butterflies
Gymnosperms	3	> 11	Spiders
Angiosperms	>132	> 57	Other Arthropods
		9	Amphibians
		14	Reptiles
		>46	Birds
		17	Mammals
<b>Total Plant species</b>	<b>&gt;152</b>	<b>&gt;188</b>	<b>Total Animal species</b>

- A small self designed exercise was undertaken to assess the environmental awareness, their perceptions, understanding, involvement I social- environmental cause, and sensitivities etc
- More than 65% staff members are well aware about current environmental problems.
- More than 48% of our staff members are involved or related to at least one social or environmental conservation related. They spent dedicated time for well being and development of the society.
- About 30% of staff members have played key role in taking diverse initiatives working in the field of education, health, social causes etc.
- Formation of Green committee is under process for review and yearly internal assessment.
- This committee shall formulate a Green Policy for entire institution to implement environmentally and ecologically sensitive practices as a step towards carbon neutrality and to reduce our ecological footprint.

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**EMPOWERING THE INDIVIDUAL WITH KNOWLEDGE & SKILLS**