



South Konkani Education Society's  
**GOVINDRAM SEKSARIA  
SCIENCE COLLEGE**

Tilakwadi, Belagavi - 590 006  
Reaccredited at 'A' Grade 4<sup>th</sup> Cycle by NAAC



**Prospectus** 2022-23

# UNDERGRADUATE PROGRAMME IN SCIENCE

## B.Sc. DEGREE COURSE

Government of Karnataka has implemented National Education Policy (NEP) from academic year 2021-22. Govindram Seksaria Science Degree College, affiliated to Rani Channamma University, Belagavi in accordance with NEP offers the following undergraduate programme in science leading to Bachelor of Science (B.Sc.) degree.

## LANGUAGES AVAILABLE:

English, Hindi, Kannada, Marathi and Sanskrit

## OPEN ELECTIVE COURSE (OEC) :

Physics, Chemistry, Mathematics, Botany, Zoology, Geology, Computer Science

## COMPULSORY SUBJECTS:

- » 1<sup>st</sup> Semester : Digital Fluency, Physical education-Yoga, Health and Wellness
- » 2<sup>nd</sup> Semester : Environmental Studies, Physical education-Sports, NCC / NSS / Rovers crew & Rangers unit / Cultural

## CERTIFICATE COURSES :

In addition to the above regular courses, the college conducts the following additional certificate courses for the benefit of the students at various semester levels.

- » Soil Science » Foundry Technology » Dairy Technology » Photogrammetry & Applications of Remote Sensing
- » Greenhouse Technology » Electrical Wiring and Maintenance » Vedic Mathematics » Web Designing

## THE FOLLOWING SUBJECT COMBINATIONS ARE AVAILABLE FOR THE STUDENTS

### MAIN SUBJECTS (DSCC):

- » Physics - Chemistry
- » Physics - Mathematics
- » Physics - Geology
- » Physics - Computer Science
- » Mathematics - Chemistry
- » Mathematics - Computer Science
- » Chemistry - Botany
- » Chemistry - Zoology
- » Botany - Zoology
- » Botany - Geology
- » Chemistry - Geology
- » Zoology - Geology
- » Geology - Computer Science
- » Botany - Computer Science
- » Zoology - Computer Science
- » Chemistry - Computer Science

## PROGRAMME PARTICULARS

### MINIMUM ELIGIBILITY FOR ADMISSION

A candidate who has successfully completed PUC II year (Science) Examination of PUE Board, Karnataka, or equivalent of other states, is eligible to take admission for the 1st semester. 'Carry over Benefit', is offered by RCU. he/she becomes automatically eligible for the 3rd (2nd year) and 5th semester (3rd Year) after 1st and 3rd semesters respectively. Certificate/Diploma/Bachelor/Honours

### DURATION OF THE PROGRAMME

The duration of study for B.Sc. programme is of three academic years, each comprising of two semesters. Each semester is of sixteen weeks with a minimum of ninety working days.

### ATTENDANCE

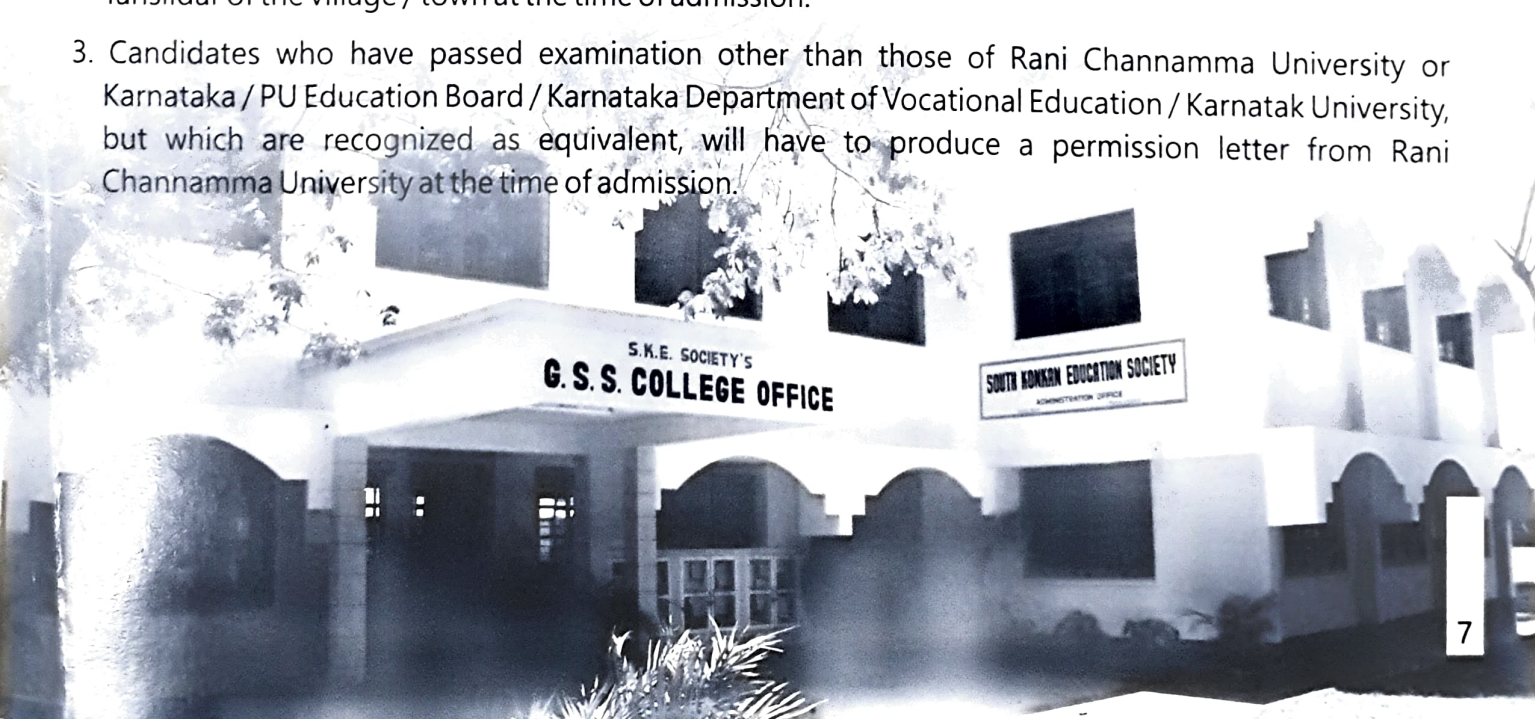
Each course shall be taken as a unit for the purpose of calculating the attendance. A student shall be considered to have satisfied the required attendance for each course if he/she has attended not less than 75% of the total number of instructional hours during the semester in each subject. There is no provision for condoning shortage of attendance.

### EXAMINATION AND EVALUATION

There shall be an examination at the end of each semester. Semester end theory examination shall be of 2 hours duration and practical test shall be of 4 hours. Each course shall have two evaluation components- Internal assessment (IA) and the semester end exams. The IA component in a course shall carry 40 marks and the semester end theory examination shall carry 60 marks. Internal Assessment shall be based on two written tests. In addition, for subjects with lab work, the semester end practical exam is of 25 marks for internal practical test.

### DOCUMENTS REQUIRED FOR ADMISSION

1. Original and a Xerox copy of the Statement of Marks of the qualifying examination issued by the PUE Board / Department of Vocational Education / Karnataka University / any other Board recognized as equivalent.
2. Those who belong to SC/ST/BCM/Category-1/II-A, II-B, III-A, III-B and wish to apply for fee concessions should produce the Original and a Xerox copy of the Caste certificate and Income Declaration from the Tahsildar of the village / town at the time of admission.
3. Candidates who have passed examination other than those of Rani Channamma University or Karnataka / PU Education Board / Karnataka Department of Vocational Education / Karnatak University, but which are recognized as equivalent, will have to produce a permission letter from Rani Channamma University at the time of admission.



## DEPARTMENT OF LANGUAGES



GSS College is one of the very few colleges, where five languages viz., English, Hindi, Kannada, Marathi constitute the 'Dept. of Languages'. The department which was established in 1966 is an integral part of GSS College and continues to be a beehive of activity as always. Apart from teaching the contents in the curriculum, the faculty members of the department play a crucial role in inculcating humane values and shaping students' sensibilities into a wholesome and well-formed individuals.

Out of six faculty members, four are Ph.D holders. The faculty members are also engaged in research-oriented activities such as research paper publications, research projects and book volumes. The department has a well – equipped Language Lab wherein students are trained in computer aided English language skills. The department also organizes various programs and competitions of literary importance. The faculty members of the department are entrusted with the responsibility of editing the college magazine, conducting elocution and debate competitions, essay and poetry writing competitions, conducting college events and so on.

## DEPARTMENT OF MATHEMATICS



## POSTGRADUATE PROGRAMME

Govindram Seksaria Science college, offers post-graduate programme in the following subjects:

» Chemistry » Botany » zoology » Physics » Enviromntal Scienece » Biochemistry » Microbiology

### MINIMUM ELIGIBILITY FOR ADMISSION

Candidates who have passed the undergraduate degree with a minimum percentage of marks from any recognised university are eligible to apply. Further, the candidates are required to satisfy other eligibility criteria as prescribed by the university from time to time.

### DURATION OF THE PROGRAM

The duration of study for M. Sc. Programme is of two academic years. Each comprises of two semesters each semester is if 16 weeks with minimum 90 working days.

### SALIENT FEATURES

- » Well-equipped and spacious laboratories.
- » Well qualified and experienced staff.
- » Opportunity to attend seminars, workshops etc.
- » Extra-curricular activities for peer interaction,
- » Industrial collaboration/training.
- » Placement opportunities.
- » Good library and internet facilities.
- » Industrial /Institutional projects.
- » CSIR/NET coaching.
- » Guest lectures by experts from the field.

### CO-ORDINATOR

- » Dr. S. M. Deshpande
- » Shri. Y. B. Dalavi
- » Shri. A. A. Halgekar
- » Shri. B. M. Topinkatti
- » Shri. Rahul Khanolkar
- » Mrs. Ambuja Chitnis
- » Dr. Amrapali Rajput

### SUBJECT

- Chemistry
- Botany
- Zoology
- Physics
- Environmental Science
- Biochemistry
- Micro-biology

### CONTACT NO.

- 9403600796
- 9481747326
- 9448161539
- 9448875429
- 9986689985
- 9242153537
- 8277296550

### NON-TEACHING STAFF

- » Shri. M.Y. Talwar

Clerk

9731576232

## POSTGRADUATE PROGRAMME IN CHEMISTRY



PG Department of chemistry strives to set a benchmark in quality higher education and emphasizes on value addition programs like certificate courses and placement training programs through which department offers a well trained and highly qualified young talents to the ever growing demands of the chemical industry. The students who have qualified from the department have always done the college proud through their outstanding achievements and leadership qualities.

### TEACHING STAFF

- |                      |             |                 |
|----------------------|-------------|-----------------|
| Dr. S.M.Deshpande    | M.Sc, Ph.D  | Co-ordinator    |
| Dr. Tasneem Taj      | M.Sc, Ph.D  | Asst. Professor |
| Shri. Ranjeet Pandit | M.Sc, NET   | Asst.Professor  |
| Shri. Vinayak Bellad | M.Sc, K-SET | Asst. Professor |

### NON-TEACHING STAFF

- |                 |          |
|-----------------|----------|
| Shri. B.I.Birje | Attender |
| Shri. J.M.Sutar | Attender |

## POSTGRADUATE PROGRAMME IN BOTANY

P.G. Department of Botany is established in the year 2015. The department has well-equipped laboratory, museum facility, departmental library, botanical garden, vermicompost unit, effluent treatment plant, etc. Faculty is well-qualified, experienced in research and outreach activities. Apart from active teaching, staff members are involved in research publications and have collaborative work with international organizations such as IUCN. Students of the department and clear various competitive exams. During the course, students get opportunity to interact with experts from various fields such as farming, ecology, biodiversity, climate change etc. In collaboration with various institutes and NGOs, department organizes various programs such as wildlife photography exhibition on wildlife week celebrations, industrial visits etc. Department organizes field studies at Radhanagari, Shiroda, Goa, Dandeli as a part of the curriculum. Students are supported and encouraged to get trained through projects or workshops in various fields such as taxonomy, ecology, environmental botany, phytochemistry, microbiology, assessments of flora, etc. The Department conducts various add-on courses, to provide necessary skill sets required for better opportunities in the field of research, competitive exams and self-employability etc.



### TEACHING STAFF

» Shri. Y. B. Dalvi	M.Sc. SLET	Asst. Prof. / Coordinator
» Dr. Santoshkumar Jayagoudar	M.Sc., Ph.D., CSIR-NET, K-SET, M-SET	Lecturer
» Dr. Rutuja kolte	M.Sc., Ph.D.	Lecturer
» Shri. Mithun R	M.Sc. K-SET	Lecturer
» Shri. Naveen Y. Hanchinamani	M.Sc. K-SET	Lecturer
» Miss. Ravina Vernekar	M.Sc. K-SET	Lecturer



The P. G. Department of Zoology was established in the year 2021. The Department has five full-time faculty members and all are K-SET qualified. The department is well equipped with 4 spacious laboratories including an instrumentation room consisting of various equipment such as spectrophotometer, muffle furnace, homogenizer, autoclave, centrifuge, laminar air flow hood, incubator etc. Currently, there are five on-going student projects on the following animal model: earthworm, drosophila and zooplankton. The department organizes several guest lectures, workshops and seminars such as Taxidermy, Drosophila species identification etc. Students are encouraged to present research paper to develop interest in the research oriented activities. The department plans to establish advance research laboratory and rooms for culturing Drosophila melagonaster which will be beneficial for both faculty and the students to carry out various research activities in the coming days. The department also plans to encourage and provide guidance to the students to appear for the various state and national level competitive examinations.

## POSTGRADUATE PROGRAMME IN PHYSICS

The department has state-of-the-art laboratory with separate dark room facility equipped with all modern instruments. The lab has Zeeman effect kit, Arc discharge spectrum kit, GM Counters, Gouy's Balance, Quinke's Method Kit, He-Ne Laser, Dielectric constant measurement kit, PN junction energy gap measurement kit, Four probe kit, Hall effect kit etc. The department is very well supported by experienced faculty from physics UG section of the college.

The department offers, a compulsory, unique, two year Advanced Diploma in Solar Science Technology certificate program, in collaboration with Bangalore based industry with employment assurance. In this certificate program, students are given hands-on training with necessary field visits and project writing on solar power plants leading them to senior engineer job in the solar power industry. Department plans to sign MoU's with reputed institution like Shivaji University, Kolhapur and reputed institution.



### TEACHING STAFF

» Shri. B. M. Topinkatti	M.Sc.	Asso. Prof. / Coordinator
» Dr. A. B. Kulkarni	M.Sc. NET, Ph.D, KSET, MSET,	Lecturer
» Dr. S. G. kulkarni	M.Sc. NET, Ph.D.	Lecturer
» Mrs. S. V. Kulkarni	M.Sc.	Asso. Prof.
» Dr. S. S. Kalagi	M.Sc. Ph.D, KSET	Asso. Prof.
» Dr. L. S. Laxmeshankar	M.Sc. M.Phil. Ph.D	Asst. Prof.
» Shri. P. S. Patil	M.Sc. M.Phil	Asst. Prof.
» Shri. P. P. Patil	M.Sc. NET	Asst. Prof.
» Mrs. A.U. Nayak	M.Sc. KSET	Lecturer
» Miss. Prajakta Ghasari	M.Sc. KSET	Lecturer



## K. M. GIRI AUDITORIUM:

The college has an auditorium with seating capacity of more than 300 with a good audio system, a green room and attached wash room facilities. A dedicated deisal generator i.e. used in case of power failure is also provided. . A separate dining hall adjacent to the auditorium provides the necessary infrastructure for serving food exclusively during the programmes held in the auditorium.



## PLAYGROUND



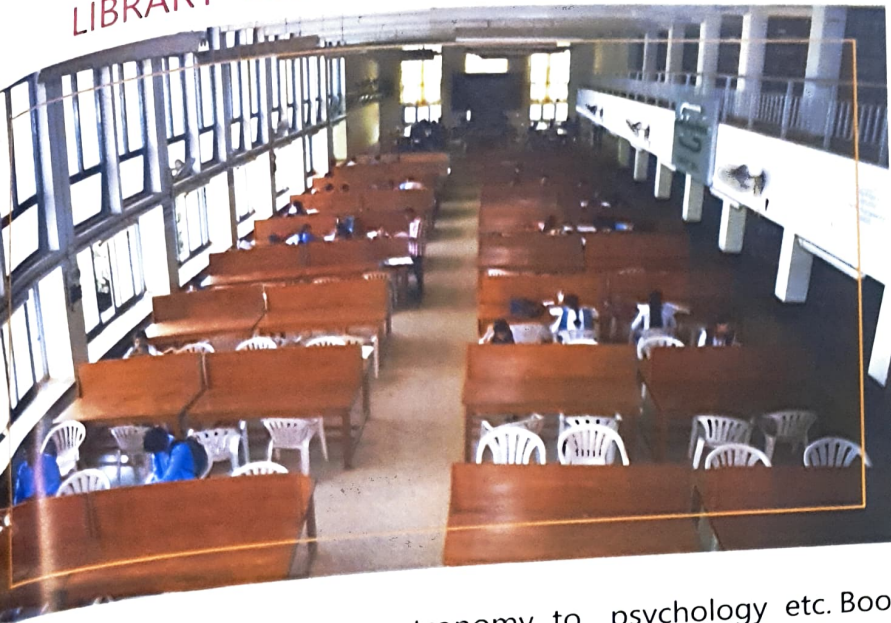
We believe that intellectual acumen must be accompanied with physical fitness hence the college is privilege to have sprawling playground covering nearly 6 acres. The ground has a cricket pitch, a kho-kho and basketball court, and is suitably marked for hockey and football. The tracks are identified for athletics. Training facility in body building and wrestling is also made available. We are proud that many of our students have played in the university teams in badminton, hockey, football and kho-kho, and many have emerged as university blues. It has a stadium and a spacious hall for indoor games.

## COLLEGE GYMKHANA

The college gymkhana offers indoor and outdoor sports facilities to the students for their physical development and health benefits. It also provides platform for other academic activities and strives for overall development of students. It is supervised by well qualified physical director to guide the students about various activities of Gymkhana. The activities of the gymkhana are conducted under the advice of teaching staff as chairpersons and vice-president and the Principal as its President. Student participation is an equally important component of Gymkhana. Students participate as representatives by the mode of selected/elected and are designated as secretaries of various Gymkhana departments.



# LIBRARY



A library is a collection of sources of information and similar resources, made accessible to a defined community to know the society at a large and to enrich their lives so that they become better human beings. Our College Library is situated in an ideal building which is adequately equipped with specially designed furniture which caters to the needs of students and staff of GSS College from PUC to PG level. A big spacious study hall of 1216.269 sq. meters, which can accommodate 300 plus students used for studying. Students of GSS college have the advantage of a huge collection of more than 1,00,000 variety of books (i.e. old miscellanies, reference books & rare books) from pure

science to literature, astronomy to psychology etc. Books are classified subject-wise according to Dewey Decimal Classification System. Dozens of reputed magazines and journals really attract the students to come to this temple of learning. As the Library is fully computerized, students can search books through OPAC search. To ease issue-return system all the books and our users' information is bar-coded. Students can enjoy free internet facility, reference service which consists of journals, periodicals, encyclopedia, directories and gazetteers etc. Book loan facility is available for deserving and needy students on payment of nominal fees under 'Text Book Library Scheme'. In addition to this one extra reader's card is made available for students to issue books on competitive examinations. Library has extended the facilities to Alumni of our college, research scholars & outsiders. Library is open from 7.30 am to 5.30 pm on all working days.





**For Further Details  
Contact College Office :**

Between 10.30 a.m. to 5.30 p.m.  
(Monday to Friday)  
10.30 a.m. to 2.30 p.m.  
(Saturday)

Contact: (0831) 2485193 Email: [principal.gss@gmail.com](mailto:principal.gss@gmail.com) Website: [www.gssbgm.edu.in](http://www.gssbgm.edu.in)