



# **SELF STUDY REPORT**

**FOR**

**4<sup>th</sup> CYCLE OF ACCREDITATION**

**SAHYADRI SCIENCE COLLEGE**

SAHYADRI SCIENCE COLLEGE VIDYA NAGAR, B H ROAD, SHIVAMOGGA

577203

[www.kussc.ac.in](http://www.kussc.ac.in)

Submitted To

**NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL**

**BANGALORE**

**September 2024**

# 1. EXECUTIVE SUMMARY

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## 1.1 INTRODUCTION

Sahyadri Science College is a constituent college of Kuvempu university and a leading educational Institute in the Malnad region of Karnataka. It had an autonomous status during 2006-2007 to 2017-18 & CPE status during the year 2010. Since its establishment(1940), the college has seen a steady growth in student strength as well as quality. **Prof.U.R. Ananthamurthy**, Jnanapeetha Awardee and **Prof. C.N.R Rao**, Eminent Scientist are among its luminary students.

The institute has high student admissions across all programmes. During AY:2023-24 there are about 1800 students for UG and 200 students for PG programmes, and over 100 research scholars are pursuing their PhDs. The college offers **2 UG** programmes (B.Sc. with **18** subject options and B.C.A), **4 PG** and **11 Ph.D** programmes. **NEP curriculum** is implemented in UG programmes and **CBCS scheme** in PG courses. The curriculum components are: **Core courses, DSCs, OEs, and SECs**.

The **curriculum delivery** is through black board teaching, PPT presentations and interactive learning methods. Usage of ICT in teaching-learning is encouraged. **IA** consists of student tests, seminars, assignments, and project work/internship, supervised by IA committee and HODs. **Semester-end examinations** are held according to university time-table.

**College website** is operative with all essential information. Admissions, administration and Examination are automated through **UUCMS digital platform**. Adequate **infrastructure** (buildings, class rooms, seminar halls, library, hostels, stadium etc) have ensured effective curriculum delivery and outcome. The **governance** is decentralized with necessary Statutory and non-statutory bodies, committees, units/cells forming its **organogram**. The college has a functional **IQAC** which supervises all quality initiatives including **stake holders feedback, green audit, financial audit, gender audit, AAA & SSS**.

The college promotes intense **research** activities. There are about 30 research guides publishing about 250 research articles over past 5 years in international/national journals. More than 50 books have been published.

The college has more than 90% pass percentage across programmes, good rate of **student progression** to higher studies and to employment. **Alumni association** of the college is registered and functional.

The college provides personality development and skill based training through **Pathways unit**. Co-curricular and extra-curricular activities are undertaken through sports dept., NCC, NSS, Rovers & Rangers, Youth red-cross., Sahyadri Vijnana Parishat, etc.

### Vision

Both the vision and the mission statement reflect the quality of education imparted in this College. The planning and execution of the functioning and activities of this institution revolve around the vision and

mission of the college.

**Vision:** Sahyadri Science College shall strive to become a centre of excellence in teaching and promoting research in basic and applied sciences to provide high quality value based undergraduate and postgraduate education to meet the regional and global challenges.

The vision aligns well with the university emblem which is expressed as: “Manujamatha (the religion of humanity), Viswapatha (the Universal path), Sarvodaya (the welfare of all), Samanvaya (reconciliation) and Poornadrusti (the integral vision)” derived from the message of humanism given by Rashtra kavi Kuvempu.

The main objectives of the college are

- Providing qualitatively upgraded education and personality enhancement to utilize opportunities offered by the times, at a global level.
- Endowing women with a purpose and vision to be ideal mothers and citizens.
- Imparting education that is functionally useful, socially relevant and morally uplifting to meet the challenging demands of the present society.

## **Mission**

**Mission:** Sahyadri Science College is committed to:

- *Foster Creativity in Teaching, Learning and Research of Basic and Applied Sciences to build A Knowledge base and promote quality initiatives.*
- *To make Science education attractive and accessible Develop scientific knowledge to meet the societal needs.*

The mission of the college is to make science education attractive and accessible and develop scientific knowledge to meet the societal needs through encouragement to creativity in teaching, learning and research in applied sciences. In the present era of education, students are more inclined towards technical education and hence the need to promote basic/applied sciences is increasingly becoming apparent. Therefore, the college is striving to serve the society by providing wider base for continuing education in basic and applied sciences. It has also realized the importance of conserving bio-diversity and cultural diversity.

The college seeks to continue to excel in the scientific knowledge, both traditional and new areas, through teaching and research in Physics, Electronics, Geology, Chemistry, Mathematics, Computer science and Computer applications, Botany and Seed technology, Zoology, Biotechnology, Biochemistry, Microbiology, Environmental science, and languages. Courses in sciences aim at providing training in specific skills, imparting knowledge of ecological and environmental issues, augmenting employment potential, and fulfilling global demands resulting in community development. Academic programmes in Kannada, Hindi, English and Sanskrit are expected to play a vital role in the development of languages, arts, and culture, and in turn, fostering composite Indian culture, inculcating human values, and enhancing communication skills and self-development. In order to promote higher education and research, the college offers a wide range of academic programmes consisting of Bachelor degree, Post-graduate programmes, and Ph.D degree. Along with curricular aspects, the college provides opportunities for participation in sports, cultural events, NCC, NSS, Rovers & Rangers, Red cross, pathways etc. to promote their all-round personality development.

On the whole, the course offerings are expected to promote intellectual, academic, social, cultural, professional and personal values among students, besides training them in skills required for better life, along with the needed understanding of ecology, environment, society and the world as a whole.

## 1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

### Institutional Strength

- A constituent college of Kuvempu University with 81 acres of land area.
- The college is located close to city area, and is beside NH road with easy accessibility.
- Lush green campus having a well-maintained Sadhbhava vana.
- Wide range of programmes/courses is offered in UG, PG and Ph.D. programmes; Only college of Kuvempu University offering subjects like Geology, Biochemistry, Biotechnology, and Microbiology.
- Well maintained college website.
- High number of student admissions across all programmes year-on-year coming from diverse socio-economic conditions.
- Admission according to govt. reservation policy and fee structure with applicable fee concessions.
- Highly qualified faculty with rich teaching experience.
- Research Publications in UGC-care Journals with high impact factor. Large number of research guides and research scholars
- Separate hostels for Boy's and girls.
- Huge outdoor stadium of 60,000 seating capacity.
- Spacious library with good collection of books, journals, periodicals etc.
- One among very few colleges in the country with fully functional pathways unit.
- Achieving academic excellence by regular International/national/state level seminars/conferences and workshops on diverse issues.
- Functioning Co-curricula units NCC, NSS, Youth Red Cross, Rovers & Rangers.
- Fully automated examination system.
- Pass percentage of more than 90% across all the programmes.
- High rate of student progression and employment.

### Institutional Weakness

- Only four PG programmes are currently offered.
- Less no. of classrooms with ICT facilities.
- There is no campus wi-fi facilities to students. LAN facilities need expansion.
- Of 63 sanctioned posts of permanent faculty only 38 are currently in service.
- There is no separate building with lab facilities for carrying out research activities.
- Less no. of computers for student usage.
- Since covid pandemic annual laboratory grants and library grants have been either reduced or not given by the university.
- No UGC grants have been received during assessment period.
- Administrative staff needs additional computer training.
- Appointment of lab technicians and attenders required.
- Non-periodic Renewal of Annual Maintenance Contract (AMC)
- Main building is more than 80 years old and hence needs full renovation.

- Canteen facilities need expansion to cater to large student strength of the college.
- Relative to quantum of student output the enrolment to Alumni association needs to be improved.

### **Institutional Opportunity**

- PG programmes may be extended to subjects such as Mathematics, Botany, Zoology which have adequate facilities and research guides.
- More number of Collaborative research/internship activities with other research centres/industries may be implemented.
- MOUs with other institutions and industries may be implemented.
- Pathways unit activities needs to be expanded to cover more number of students.
- More number of FDP programmes need to be implemented.
- The number of computers with Internet facilities may be increased for student/faculty usage.
- The research facilities including instrumentation may be upgraded.
- Regular Sports director need to be appointed.
- Facilities on alternate energy/renewable sources must be increased.
- More number of CCTV may be installed.

### **Institutional Challenge**

- The appointment of permanent faculty have not been done since 8 years. Even the last appointment was done for only backlog posts.
- Over the years admission of girls has been progressively increasing over that of boys. Bringing parity in their admission is a challenge.
- Creation of employment opportunities in basic science subjects to the same extent as available in applied/technical courses.
- Non-availability of specific govt. grants to develop Research Infrastructure in UG colleges.
- Frequent changes in syllabus scheme such as NEP, SEP, etc.

## **1.3 CRITERIA WISE SUMMARY**

### **Curricular Aspects**

Sahyadri science college offers 33 programmes (UG/PG/Ph.D) and 659 courses (including open electives and SECs). For AY 2024-25, curriculum for B.Sc./BCA programmes are in NEP scheme, while PG programmes use CBCS scheme. College and university **websites** permanently host the syllabus along with the corresponding NEP/CBCS regulations.

Subject-wise UG/PG syllabi have been carefully framed by respective **Boards of studies (BOS)** so as to cover the essential theoretical and practical knowledge in Core Courses, Discipline Specific Courses (DSC), open electives (OE), and SECs. The core courses & DSC provide in-depth knowledge in optional subjects. The OEs provide interdisciplinary learning opportunities while SEC include courses on Digital literacy, Cyber safety and Security, Artificial Intelligence, Professional Ethics, Gender issues, Human Values, Environment and Sustainability, and constitution studies. The syllabus in Languages, Environmental Studies, Biotechnology (U.G. and P.G.), Botany, Zoology, and Bio-Chemistry also offer certain papers/chapters in their courses, related

to few of these issues.

The college follows yearly **academic calendar** of Kuvempu university for scheduling its admission process, opening and ending of semester, vacation, examination and valuation. Curriculum delivery in all programs and courses is conducted according to **college class time table**. Department Heads allot the syllabus and theory & lab classes to subject teachers as per the work load. Teachers are instructed to engage classes according to the time-table and complete the syllabus in time.

The college evaluates the effectiveness of curriculum delivery by continuous internal assessment (CIA) process having the components: Theory and practical IA tests, student seminars and assignments. An IA committee supervises the process of conducting tests. Seminars/assignments and evaluation works are undertaken by respective departments.

Under NEP, student project work/internship are made mandatory to the final year students of UG/PG degree. Project work is carried out under the guidance of department faculty. Internships are planned by collaborating with industries, other universities and research centres.

To maintain quality and constant updation of the curriculum, college regularly obtains curriculum feedback from its various stake holders such as students, teachers, alumini etc., evaluates the responses and plans improvement strategies. These reports are hosted in the college website for student and public cognizance.

### **Teaching-learning and Evaluation**

Because of the low cost, high quality education the college offers, every year the college draws highest number of students admissions across all its programmes and courses (approx. 1500). During AY: 2023-24 the total student enrollment for B.Sc/B.C.A/ M.Sc/Ph.D programmes are respectively 550, 120, 200 and 100.

All student admissions are done according to state govt. reservation policy. UG admissions are done at college level; PG/Ph.D admissions are done in the university main campus through centralized admission process. Across categories, the college receives more female students than male students, the ratio being about 70:30.

During AY: 2023-24 there were 128 full-time teachers working in the college. More than 50% of the faculty are with Ph.Ds, 10% with M.Phil degree and 20% are NET/KSET qualified. Thus, the college has a healthy student:teacher ratio is 16 for AY:2023-24. All teacher appointments are done as per UGC/state govt. guidelines through interview held by university constituted selection committee.

All courses mainly use lecture method of teaching. Other effective student centric methods are: Classroom interaction, Laboratory Experiments, Student projects/ Dissertations/ Industrial visits/Field trip, Research lab visits. Special lectures, Seminars, Webinars, Workshops organized by various departments also help in the enhancements of learning experiences.

Usage of ICT tools is highly encouraged. The college has class rooms with LCD projectors, smart class rooms, seminar halls/auditorium to realize these effective teaching strategies.

POs and COs for all the programmes/courses and are stated and displayed on website. Their outcomes are evaluated by IA & Semester-end examinations are conducted as per university examination time-table. Central

valuation is followed for theory paper valuation, while practical exams are conducted under the respective BOEs. Students are facilitated with Xerox copy facility of the answer scripts, re-totaling and/or re-valuation provisions. The fee payment-examination-evaluation-result declaration process is automated with UUCMS/Logysis software to ensure quick, fair and robust evaluation system. Across programmes the pass percentage of student is more 80% for UG programmes and more than 90% for PG programmes.

The college routinely conducts student satisfaction survey (SSS). This feedback of students on college amenities helps to take remedial measures to improve the overall quality of education.

### **Research, Innovations and Extension**

Sahyadri Science College is well-known for its intense research activities. This is because more than 50% of the faculty are having doctoral degree, 30 regular faculty are university recognized guides, and 110 research scholars are working under different guides.

Over the last five years the faculty has published more than 250 research articles in national and international journals notified in UGC-CARE list or in other peer reviewed journals. A significant number of research articles and books/book chapters have been published by the faculty over this period. The college has received funds of more than 1 crore under major projects sanctioned from agencies like UGC, DST, DBT, VGST etc. and About 50 scholars have obtained their Ph.D in this period.

To aid research activities and innovation, the college houses advanced instruments such as UV spectrophotometer, Infrared spectrometer, Probe sonicator, Trinocular microscope, high accuracy digital balance, Scintillation spectrometer, Gel-doc, double distillation, high temperature furnace etc. Also, a number of seminars/workshops and conferences on various subjects/themes have been organized by the college during these assessment years.

The college research committee comprising of principal, research guides and senior faculty members regularly guides the administration and departments on submission of research proposals, applying for major and minor projects and augmentation of research infrastructure and instrumentation.

The college supports structured consultancy and collaboration with other institutes/ organizations through MOUs which gives our students an interface for experiential learning, internship experiences, and comprehensive growth of students. These linkages help students to complete their project work/internship activities, a mandatory course to be undertaken in their final year UG/PG programme kindle research interest in them.

A number of extension activities and outreach programmes are routinely conducted by the institution in association with NCC, NSS, Rangers and Rovers, Youth Red cross, and pathways unit. They are: blood donation camps, road shows, programmes on road safety week, AIDS awareness, gender awareness, electoral awareness, Swachh Bharath initiatives, Vanamahotsava and other eco-friendly activities, which foster creativity, social responsibility, leadership qualities in students. The Pathways unit provides specialized training to students on developing qualities of leadership, communication, social service, etc.

### **Infrastructure and Learning Resources**

The college is having following infrastructure in its 81 acres campus:

**Buildings with their area in sq.m:**

- Main building (8244.70)
- Diamond jubilee building (3836.22);
- RUSA building.(2824.6)
- Boys Hostel (2214) of 500 student occupancy
- Girl's hostel (2895) of 300 student occupancy
- Library building (1522.47),
- Pathways training cell (289.25)
- College Canteen (266.2)
- Indoor Stadium

**Class Rooms and ICT facilities:** College has 29 classrooms. **07** classrooms fitted with LCD projectors, and 02 smart class rooms.

**Laboratories:** College has a total of 39 laboratories covering all subjects and 08 research laboratories.

**Prof. C.N R Rao auditorium-** 180-seater, with good acoustics and lighting.

**Seminar Halls(seating capacity):** Radhakrishna Hall (150), Abdul Kalam Hall (150)

& Room number-08 (80)

**Library & Internet Facilities:** The library is spacious (seating capacity -200) with a floor area of 1522.47 sq.m. It has a reference section (90 X 41.5 sq.m), separate newspaper reading section, internet browsing centre (15 computers with LAN) & wide books rack zone (area of 51 X 41.5 sq.m).The library is secured with 9 CCTV surveillance systems, fire extinguisher and 6K UPS facility.

The library has a good collection of text and reference books (UG & PG level - approx. **56500**); subscribed to **27** Journals, 14 newspapers, 23 periodicals, encyclopaedia collection, etc. Every student can borrow 3 books (5 books for SC/ST students) at a time, while a faculty member can avail upto 10 books.

The library is partially automated (since 2012) with e-Lib Library management software (version 16.2). The books have been bar coded to assist library transactions.

Computers & Photocopiers: 70 desktops, 15 laptops, 40 printers and 03 scanner, 01 colour printer ,07 Xerox machine are available student use.

**Sadbhavana Vana** containing variety of plants/trees of medicinal values is a resource for plant diversity studies. The college has **outdoor international sports stadium** (cost- 15 crore; pavilion-7260.25sq.m; seating capacity- 40000) to host state/national level competitions, a **play ground** and well-equipped sports / gymnasium rooms. An indoor stadium is under construction. There is a YOGA-Centre in the DJB hall for students and public. There are **02 programme stages** to conduct **cultural events**, spacious vehicle parking lots for cars and bikes.



## Student Support and Progression

A large number of students are benefitted from a variety of **scholarships sponsored** by Govt./Non Govt. bodies./individuals etc. They are: **Vidyasiri, SC/ST refund, KMDC, purasabhe, SR Jindal, Dept. of Labour, Prathibha puraskara etc.**, During AY: 2023-24, more than 80% students have avail Vidyasiri. SC/ST and OBC students avail **admission fee concessions** sanctioned by Social welfare dept. of state govt. **Freeships** are provided to socially and economically backward students by issuing **additional library books** for reference;while Non-local students avail **bus passes**. Student welfare Officer (SWO) co-ordinates all student related issues.

The college undertakes a variety of **capacity building initiatives** to impart soft skills, communication skills, life skills, and technology skills through NCC, NSS, Rangers and Rovers, Youth Red cross, and Pathways unit. **Blood donation camps, yoga day, awareness jaths, seed day, environmental day, NSS camps in nearby villages, doctor check up, lecturers, visits etc.** are regularly arranged. Students participate in inter-collegiate, university, zonal level cultural and sports competitions and have won awards and recognition in these competition.

**A good number of students were admitted to higher studies**

**Student counselling and placement cell** and Pathways unit routinely arrange coaching classes to prepare students or **competitive examinations**, NET/SLET., and also arrange **campus placement drives**. Significant numbers of students have cleared got recruited each year by the campus recruitments. or by clearing competitive exams.

The college has a functioning student grievance redressal cell, gender sensitization cell, women empowerment cell, prevention of sexual haraassment cell, etc.,which offer timely redressal.

The college provides enough opportunities for its prime stake holders to express their opinion through an automated feedback process undertaken periodically under the supervision of IQAC unit. The feedbacks are analyzed and needful actions taken.

Due to the all-round development of our college students, soon after graduation, the college has high rate of student progress to higher education and a good number of students secure placements in govt. and private sectors.

The college has a registered alumni association which regularly meets to assess the progress of the college. Its members have sponsored books, hoardings etc. to ladies hostel.

## Governance, Leadership and Management

Vision and Mission of the institute are clearly stated, and governance tries to implement it in letter and spirit. The college is under control and regulation of Kuvempu University, UGC guidelines and State Government Policies. At the top of the **Organogram** is Vice-Chancellor, Registrar and Registrar (Evaluation). University **academic council** and **syndicate** frame/implement the internal rules/regulations for the overall total governance of the constituent college. **College development council(CDC), Finance section, Academic Section, Examination section** etc. cater to college needs. **BOAE, BOS & BOE** monitor curriculum design, delivery,evaluation and outcome.

The college organizational structure consists of **Principal, college staff council, HODs, Office staff, SWO, Co-ordinators of IQAC and co curricular units/cells, Librarian, Sports and pathways director. HODs & faculty** manage & officiate departments, while office staff manage administrative issues like **student admission, staff appointment, service record maintenance, staff salary, promotions, purchase, financial audit, funds disbursal and utilization**, etc. **SWO** works as link officer between students and principal. various **statutory and non-statutory committees** are constituted for effective functioning.

The college has implemented **e-governance** through state governments **UUCMS portal** for student admission, administration and examination. The **College website and LAN facilities** support e-governance. They are maintained by annual budget allocatons.

The welfare measures available for teaching and non-teaching staff are:**Leave benefits (CL,SCL,EL,CTL,OOD, maternity and paternity leaves,LTC,reimbursement of medical expenses,group insurance,festival advance,pensiion facility,financial support for conference participation,faculty ID card facility,etc.** The teaching/non-teaching staff participate in **FDPs** such as **Refresher/Orintation courses** (for teaching staff), **HRD training, short-term courses, webinars, adminstrative and computer training** (office staff).

**Fund mobilization** is done via Student admission/examination **fees, grants** from govt. agencies (RUSA grant, research project grants). University supports through its **budgetory proivision**. All **fund utilization** is optimized and audited.

**IQAC** plans and implements quality initiatives. It reviews calendar of events, class time-table, curriucum delivery, student admission, examination, results, student progress etc.. Every year, 3 to 4 **IQAC advisory board meetings** are conducted to deliberate on the process and outcomes of quality initiatives. **IQAC** also obtains feedbacks from all stakeholds, evaluates it and prepares action plans for quality improvement, and it supervises **adminstrative and academic audit (AAA )and internal SSS**.

### **Institutional Values and Best Practices**

**Gender equity and sensitivity** are implemented through activitives initiated through cells of Women's Empowerment, Prevention of Sexual Harassment, Anti-ragging, Gender Sensitization and SC/ST cell. **CCTV surveillance** and security staff deployment ensure safety of students and staff.

College **Code of conduct** are strictly implemented. **Dress-code** is made mandatory to students to prevent socio-economic discrimination. Human values and responsibilities and patriotism are promoted through curricula, co-curricular and extra-curricular activities, celebration of festivals, national and international days, birth anniversies eminent personailities, freedom fighters and scientists, etc. Mandatory Courses on **Environment studies** and **Indian Constitution** acquaint them with various environment acts and concerns, and constitutional rights,values and duties.

Maintenance of College campus is given importance. Lighting incadescent bulb is banned. Tube-lights are gradually replaced by **LEDs bulbs**, and **solar panels** to reduce power consumption. water-conservation measures include bore-well recharging by rain-water, sign boards at tap installations, regular inspection of taps for leakage etc. Solid watste are disposed through municipality service. Regular campus cleaning, tree plantation,garden maintenance, restricted vehicle movemnt etc., These initiatives have made the campus green and plastic free.

## **Best Practices:**

### **1. Pathways Training and Placement Cell:**

The '**Pathways**' unit is a Ford Foundation project that aims to identify students who are excellent in academics but from lower strata of society, and to help them access higher education. Selected students are trained through workshops and various other activities such as computer & communication skills, career planning, social surveys, etc. The unit assists students with placement opportunities.

**2. Sahyadri Vijnana Parishat** is a multipurpose student forum envisaged to promote additional curricular learning, and identify and nurture cultural talents among the students. Throughout the year, the forum organizes series of programmes related to student enrichment on curricular/extra-curricular activities. In each programme, eminent personalities are invited to motivate our students. In this platform, students are given full freedom to chalk out the events and programme. Several cultural competitions are held in the college under this banner and the prizes are awarded to the talents.

**The insitutional distictiveness lies in its ability to offer low cost high quality education to a diversified student community making them proud citizens.**

## 2. PROFILE

### 2.1 BASIC INFORMATION

Name and Address of the College	
Name	SAHYADRI SCIENCE COLLEGE
Address	Sahyadri Science College Vidya Nagar, B H Road, Shivamogga
City	Shimoga
State	Karnataka
Pin	577203
Website	<a href="http://www.kussc.ac.in">www.kussc.ac.in</a>

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	Rajeshwari N	08182-240435	9480329762	-	sahyadriscience@gmail.com
IQAC / CIQA coordinator	Krishna Swamy K	08182-240260	9448697080	-	krishna_swamy_k@yahoo.co.in

Status of the Institution	
Institution Status	Constituent

Type of Institution	
By Gender	Co-education
By Shift	Regular

Recognized Minority institution	
If it is a recognized minority institution	No

Establishment Details	

State	University name	Document
Karnataka	Kuvempu University	<a href="#">View Document</a>

Details of UGC recognition		
Under Section	Date	View Document
2f of UGC	30-11-1989	<a href="#">View Document</a>
12B of UGC	28-12-1994	<a href="#">View Document</a>

Details of recognition/approval by stationary/regulatory bodies like AICTE,NCTE,MCI,DCI,PCI,RCI etc(other than UGC)				
Statutory Regulatory Authority	Recognition/Approval details Institution/Department programme	Day,Month and year(dd-mm-yyyy)	Validity in months	Remarks
No contents				

Recognitions	
Is the College recognized by UGC as a College with Potential for Excellence(CPE)?	No
Is the College recognized for its performance by any other governmental agency?	No

Location and Area of Campus				
Campus Type	Address	Location*	Campus Area in Acres	Built up Area in sq.mts.
Main campus area	Sahyadri Science College Vidya Nagar, B H Road, Shivamogga	Urban	81	22829.69

## 2.2 ACADEMIC INFORMATION

<b>Details of Programmes Offered by the College (Give Data for Current Academic year)</b>						
<b>Programme Level</b>	<b>Name of Programme/ Course</b>	<b>Duration in Months</b>	<b>Entry Qualification</b>	<b>Medium of Instruction</b>	<b>Sanctioned Strength</b>	<b>No.of Students Admitted</b>
UG	BSc,Department Of English,English	36	PUC	English	449	449
UG	BSc,Department Of Kannada,Kannada	36	PUC	English	416	416
UG	BSc,Department Of Hindi,Hindi	36	PUC	English	15	15
UG	BSc,Department Of Sanskrit,Sanskrit	36	PUC	English	8	8
UG	BSc,Department Of Urdu,Urdu	36	PUC	English	10	10
UG	BSc,Department Of Physics,Physics	36	PUC	English	180	124
UG	BSc,Department Of Electronics,Electronics	36	PUC	English	60	31
UG	BSc,Department Of Chemistry,Chemistry	36	PUC	English	310	179
UG	BSc,Department Of Biochemistry,Biochemistry	36	PUC	English	60	41
UG	BSc,Department Of Mathematics,Mathematics	36	PUC	English	180	81
UG	BSc,Department Of	36	PUC	English	70	70

	Computer Science, Computer Science					
UG	BSc, Department Of Geology, Geology	36	PUC	English	60	21
UG	BSc, Department Of Botany, Botany	36	PUC	English	180	114
UG	BSc, Department Of Zoology, Zoology	36	PUC	English	180	121
UG	BSc, Department Of Biotechnology, Biotechnology	36	PUC	English	60	39
UG	BSc, Department Of Microbiology, Microbiology	36	PUC	English	60	49
UG	BSc, Department Of Environmental Science, Environmental Science	36	PUC	English	60	28
UG	BCA, Department Of Bca, Bachelor of Computer Applications	36	PUC or equivalent	English	120	120
PG	MSc, Pg Department Of Physics, Physics	24	B.Sc.	English	25	18
PG	MSc, Pg Department Of Chemistry, Chemistry	24	B.Sc.	English	42	41
PG	MSc, Pg Department	24	B.Sc.	English	42	42

	Of Industrial Chemistry, Industrial Chemistry					
PG	MSc,Pg Departemnt Of Biotechnology,Biotechnology	24	B.Sc.	English	42	41
Doctoral (Ph.D)	PhD or DPhil,Phd In Kannada,in Kannada	48	M.A. in Kannada	English	12	12
Doctoral (Ph.D)	PhD or DPhil,Phd In Physics,in Physics	48	M.Sc. in Phyics	English	16	14
Doctoral (Ph.D)	PhD or DPhil,Phd In Chemistry,in Chemistry	48	M.Sc. in Chemistry	English	30	19
Doctoral (Ph.D)	PhD or DPhil,Phd In Biochemistry ,in Biochemistry	48	M.Sc. in Biochemistry	English	4	0
Doctoral (Ph.D)	PhD or DPhil,Phd In Mathematics, in Mathematics	48	M.Sc. in Mathematics	English	10	5
Doctoral (Ph.D)	PhD or DPhil,Phd In Botany,in Botany	48	M.Sc. in Botany	English	36	22
Doctoral (Ph.D)	PhD or DPhil,Phd In Zoology,in Zoology	48	M.Sc. in Zoology	English	12	5
Doctoral (Ph.D)	PhD or DPhil,Phd In Biotechnolog y	48	M.Sc. in Biotechnolog y	English	18	12



	y,in Biotechnolog y					
Doctoral (Ph.D)	PhD or DPhil,Phd In Microbiology ,in Microbiology	48	M.Sc. in Microbiology	English	8	2
Doctoral (Ph.D)	PhD or DPhil,Phd In Environment al Science,in Environment al Science	48	M.Sc. in Env.science	English	6	6
Doctoral (Ph.D)	PhD or DPhil,Phd In Industrial Ch emistry,Indus trial Chemistry	48	M.Sc. in Ind. Chemistry	English	14	12

### Position Details of Faculty & Staff in the College

Teaching Faculty												
	Professor				Associate Professor				Assistant Professor			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC /University State Government	12				15				36			
Recruited	6	2	0	8	12	3	0	15	12	2	0	14
Yet to Recruit	4				0				22			
Sanctioned by the Management/Soci ety or Other Authorized Bodies	0				0				0			
Recruited	0	0	0	0	0	0	0	0	0	0	0	0
Yet to Recruit	0				0				0			

<b>Non-Teaching Staff</b>				
	<b>Male</b>	<b>Female</b>	<b>Others</b>	<b>Total</b>
Sanctioned by the UGC /University State Government				11
Recruited	8	3	0	11
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				0
Recruited	0	0	0	0
Yet to Recruit				0

<b>Technical Staff</b>				
	<b>Male</b>	<b>Female</b>	<b>Others</b>	<b>Total</b>
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				0
Recruited	0	0	0	0
Yet to Recruit				0

### **Qualification Details of the Teaching Staff**

<b>Permanent Teachers</b>										
<b>Highest Qualification</b>	<b>Professor</b>			<b>Associate Professor</b>			<b>Assistant Professor</b>			<b>Total</b>
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/ LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	6	2	0	12	3	0	6	1	0	30
M.Phil.	0	0	0	0	0	0	6	1	0	7
PG	0	0	0	0	0	0	0	0	0	0
UG	0	0	0	0	0	0	0	0	0	0

<b>Temporary Teachers</b>										
<b>Highest Qualification</b>	<b>Professor</b>			<b>Associate Professor</b>			<b>Assistant Professor</b>			<b>Total</b>
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/ LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	22	11	0	33
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	25	33	0	58
UG	0	0	0	0	0	0	0	0	0	0

Part Time Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0
UG	0	0	0	0	0	0	0	0	0	0

Details of Visting/Guest Faculties					
Number of Visiting/Guest Faculty engaged with the college?	Male		Female		Total
		0	0	0	

Provide the Following Details of Students Enrolled in the College During the Current Academic Year

Programme		From the State Where College is Located	From Other States of India	NRI Students	Foreign Students	Total
UG	Male	169	0	0	0	169
	Female	399	0	0	0	399
	Others	0	0	0	0	0
PG	Male	42	0	0	0	42
	Female	100	0	0	0	100
	Others	0	0	0	0	0
Doctoral (Ph.D)	Male	55	0	0	0	55
	Female	55	0	0	0	55
	Others	0	0	0	0	0

<b>Provide the Following Details of Students admitted to the College During the last four Academic Years</b>					
<b>Category</b>		<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Year 4</b>
SC	Male	64	54	94	41
	Female	84	58	106	67
	Others	0	0	0	0
ST	Male	19	21	29	16
	Female	45	22	29	16
	Others	0	0	0	0
OBC	Male	235	143	271	107
	Female	495	276	501	274
	Others	0	0	0	0
General	Male	9	96	10	5
	Female	35	176	18	22
	Others	0	0	0	0
Others	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
Total		986	846	1058	548

### **Institutional preparedness for NEP**

1. Multidisciplinary/interdisciplinary:	The Multidisciplinary Undergraduate and Postgraduate Program helps in the improvement of all the educational outcomes, with a flexible and imaginative curricular approach. A range of courses is offered with a rigorous exposure to multiple disciplines specializing in one or two areas. The program fulfills knowledge, vocational, professional and skill requirements alongside humanities. The curriculum combines conceptual knowledge with practical engagement and understanding that is relevant to the real world application which is applied through practical laboratory work, field work, internships, seminars, workshops and research projects. The institution is focusing on incorporating
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	<p>key skills like critical thinking, problem solving and soft skills to enable students to heighten the level of skill based learning. Multidisciplinary helps in enhancing logical thinking and analytical /through practical situations which helps in promoting a well-rounded growth of students and transfer the current education system that focuses on multidisciplinary and interdisciplinary learning. Our higher education institution has adequate provision for multidisciplinary and interdisciplinary approach. Orientation program for freshers is a standing example for this. In addition, class room seminars and academic seminars are conducted jointly by different departments. Language departments conduct programs collectively. With the introduction of NEP 2020 students have the options to study open electives on interdisciplinary basis. While organizing commemorative days and international designated days we adopt multidisciplinary approach for holding events and programs.</p>
2. Academic bank of credits (ABC):	<p>The New Education policy is focused on holistic development by providing flexibility in the course structure through Academic bank of credits. A ‘credit transfer’ mechanism is adopted in our institution to facilitate the students to choose their learning path to attain a degree, diploma certificate working on the principle of multiple entry and exit at anytime, anywhere and any level of learning. The learning outcomes like increased creativity, innovation, higher order thinking skills and critical analysis will enable to generate Academic bank of credits of students. This further helps in flexibility in curriculum across several higher education disciplines and institutions. Students have to complete courses equivalent to a minimum of 48 credits for certificate at the successful completion of first year (two semesters) of 4 years multidisciplinary UG degree program. 96 credits for a diploma at the successful completion of the second year (4 semesters) of four years multidisciplinary UG degree program. 140 credits to become eligible for the regular Bachelor’s degree, 180 credits to become eligible for the Bachelor degree with Honors. The students shall be required to earn at least 50% of the credits from the Higher Education institution awarding the degree or diploma or certificate.</p>
3. Skill development:	<p>Skill Development is provided in terms of providing training in laboratory techniques to the students.</p>

	<p>Also, the MAT LAB and COMPUTER LABS provide special skills in handling and developing programs to the Students of Mathematics and Computer Applications respectively Students of life science are trained in the laboratory for handling equipment, instruments and live materials following laboratory technique We provide skill development training such as communication skills , reporting skills, leadership skills etc by organising special events through our training center - Pathways. Many skill development courses like yoga and wellness, literature, drama, singing, meditation etc are given more importance. Yoga encompasses physical, mental and spiritual practices. The ancient Indian texts like the Vedas and Upanishads are enriched with the principles of living a healthy life. Through literature, the students can communicate feelings, opinions, ideas, habit and other experiences. Drama can provide a platform for self-expression, developing empathy and practicing skills in life like situations.</p>
<p>4. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course):</p>	<p>We expose our students to as many Indian languages as demanded by students and permitted by the University. Classroom learning activity is mainly English medium based. But regional languages are also used for better and easier understanding. The literary club organizes Poet's meet in which presentations are done in many Indian languages. Further more information is provided to students about Indian culture as and when opportunity is created in classroom teaching. National Education policy refers to the traditional knowledge of India that is both sustainable and strive for the welfare of all. Ministry of Education has established Indian Knowledge system in NEP 2020 to promote interdisciplinary research on all aspects. For the last centuries, the western perception has been leading influencing factor in our education. The Indian Origin knowledge is ignored in mainstream education. "Living" with "full of means" as become the lone objective of current education; whereas the "meaningful life" is the goal of Indian Education. Indian knowledge system encompasses Ayurveda, yoga, health and well-being, social science, linguistics, science and technology and many more. The NEP 2020 policy emphasize on learning in the mother tongue. Through mother tongue critical</p>

	thinking and analytical skills can be effectively developed.
5. Focus on Outcome based education (OBE):	As the College Focuses on the Basic Education in Science, the main Focus is to train the Students in understanding various basic Concepts of science which further helps them to build up their career. Outcomes are made known students about the courses they study. A session is exclusively devoted for this purpose in Orientation programme. Our institution adopted Skill Enhancement Courses to promote skills in a particular field of study. The purpose of these courses is to provide students with life skills in the hands-on mode to increase their employability skills. Disciplinary-based introductory courses bridge the gap for a student about the groundwork in a specific area of discipline. Project work involves the application of knowledge in solving, analyzing, exploring real life situation. Sports, Cultural and Extension Activities help in character building, spiritual growth, physical growth facilitate the development of various domains of mind and personality such as intellectual, emotional, social, moral and aesthetic developments.
6. Distance education/online education:	Our college is a recognized as distance education center in Shimoga district and offer off-line coaching classes for theory and practical classes for distance education students and at the end will conduct practical examination. New Education Policy has a special focus on distance and online education to augment opportunities in Higher Education the open and distant learning system has been initiated. During the hard times of Covid -19 pandemic, it is difficult for the educational institutes to conduct offline classes, to cope up with this situation virtual classes are helpful. Learner-centered teaching-learning activities include several cognitive processes which enable learners to confident, creative and cooperative. Learners in blended learning environments are not visualized as passive learners, but active learners generating ideas, assimilating knowledge individually and in teams.

### Institutional Initiatives for Electoral Literacy



1. Whether Electoral Literacy Club (ELC) has been set up in the College?	Yes, it is set up in February 14, 2022.
2. Whether students' co-ordinator and co-ordinating faculty members are appointed by the College and whether the ELCs are functional? Whether the ELCs are representative in character?	Yes, student representative and faculty members of the college are appointed for ELC. Electoral Literacy Club Executive Committee Composition 2022-23 is as follows: 1. Dr. Rajeshwari N - Chairman 2. Dr. M. Ibrahim Khalilulla - Nodal Officer 3. Dr. Nagaraj Parisara - Mentor 4. Dr. Nagaraj N - Social Welfare Officer 5. Miss. Hamshini - Student representative 6. Miss. Sinchana - Student representative 7. Mr. Nagaraj Kanda - Student representative 8. Miss. Aishwarya T - Student representative 9. Mrs. Supriya - Nodal Officer, SVEEP, City Corporation, Shimoga ELC is very much in functional in college with various awareness programmes regarding Electoral literacy and it is representative in character.
3. What innovative programmes and initiatives undertaken by the ELCs? These may include voluntary contribution by the students in electoral processes-participation in voter registration of students and communities where they come from, assisting district election administration in conduct of poll, voter awareness campaigns, promotion of ethical voting, enhancing participation of the under privileged sections of society especially transgender, commercial sex workers, disabled persons, senior citizens, etc.	The programmes like street plays, special lecture by Smt. Supriya from Shimoga City Corporation about ELC, Demonstration of VVPAT to the students and its relevance in voting. Training from State level master trainer Sri Naveed Parveez about Systematic Voters Education and Electoral participation(SVEEP) for our college students. Election awareness Campaign etc were undertaken by the ELCs of the college. All these programmes were aimed at promoting awareness and understanding of electoral process among students.
4. Any socially relevant projects/initiatives taken by College in electoral related issues especially research projects, surveys, awareness drives, creating content, publications highlighting their contribution to advancing democratic values and participation in electoral processes, etc.	Besides speech and instructions regarding significance of vote in democratic system, the students were engaged in the programme through activities such as Distribution of Hand print/ pamphlet to the public for creating awareness among the common people. Human Chain formation from our students for creating awareness about Democracy and Integrity. Participation of our college students in the electoral awareness campaigns in different parts of the city organized by District administration.
5. Extent of students above 18 years who are yet to be enrolled as voters in the electoral roll and efforts by ELCs as well as efforts by the College to institutionalize mechanisms to register eligible students as voters.	Most of the students of the college who are above 18 years registered their name for Election Voter I.D. and even ELCs of the college has taken all necessary steps to institutionalize mechanism to register eligible students as voters in their individual sectors. When students take admission for the Degree level, they are in between the age of 18-20 years. ELC has made an attempt to create awareness among the

student community regarding the enrolment as a new voter by visiting each section with a team of experts. Students were very much, motivated out of this and they came forward for enrolled themselves as a new voter. As a result about 232 members registered themselves to the ELC.

## Extended Profile

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### 1 Students

#### 1.1

Number of students year wise during the last five years

2023-24	2022-23	2021-22	2020-21	2019-20
1999	2147	2604	2375	2469
File Description		Document		
Upload Supporting Document		<a href="#">View Document</a>		
Institutional data in prescribed format		<a href="#">View Document</a>		

### 2 Teachers

#### 2.1

Number of teaching staff / full time teachers during the last five years (Without repeat count):

Response: 259

File Description	Document
Upload Supporting Document	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>

#### 2.2

Number of teaching staff / full time teachers year wise during the last five years

2023-24	2022-23	2021-22	2020-21	2019-20
117	159	140	122	129

### 3 Institution

#### 3.1

Expenditure excluding salary component year wise during the last five years (INR in lakhs)

2023-24	2022-23	2021-22	2020-21	2019-20
141.02265	207.79636	126.72477	179.33647	426.33109

File Description	Document
Upload Supporting Document	<a href="#">View Document</a>

## 4. Quality Indicator Framework(QIF)

### Criterion 1 - Curricular Aspects

#### 1.1 Curricular Planning and Implementation

##### 1.1.1

**The Institution ensures effective curriculum planning and delivery through a well-planned and documented process including Academic calendar and conduct of continuous internal Assessment**

**Response:**

Sahyadri Science college has its own mechanism to implement the curriculum effectively. The college offers **33** programmes (**UG/PG/Ph.D**) and **659** courses (including open electives and SECs). It abides by the **academic calendar stipulated by Kuvempu university** for all curriculum related planning and implementation. The annual academic calendar issued by parent University, at the beginning of the academic year, includes information on the period of admission process, re-opening and end of semester classes, vacation, and tentative schedules of term-end examination and evaluation. In turn, the college IQAC prepares a detailed academic calendar covering all aspects of effective implementation of curricular, co-curricular and extra-curricular activities throughout the academic year.

At the college level, curriculum planning begins by the preparation of college time table for theory and practical classes for all programs and courses offered by the college. Each head of the **department holds faculty meeting** where in, through discussions, classes and syllabus are allotted to subject teachers as per the **work load**. The teaching staff are informed to follow the **timetable** and complete the syllabus in the stipulated time. Also, quality improvement initiatives such as inclusion of new lab experiments, organization of seminars and special lectures, and better implementation of activities and student assignments are discussed. To ensure student participation and regularity in classes, the institution has mandated proper maintenance of section-wise **student attendance books** for both theory and practical classes.

To achieve effective curriculum delivery, sufficient no. of class rooms (some, ICT enabled), well equipped laboratory, and resourceful library are available. The **library** houses a large collection of text and reference books, journals, periodicals, encyclopedia, databases etc. The college employs student seminars, assignments, quizzes, projects, industrial/field visits, power point presentations and online classes apart from black board teaching methods. Special talks by experts, seminars and webinars are arranged for strengthening the student's conceptualization process. Many faculty are **members in various Boards of studies (BOS) of university**, which organize syllabus up-gradation workshops and review meetings to evolve an effective comprehensive curriculum at university level. Teachers document semester teaching plans and their timely execution in **work diaries, reviewed regularly by the department heads**. The college has a functioning **mentor-mentee system** to facilitate the super-vision of student learning and personality development. Class mentors identify the slow learners and assist them in their academic progress. College administration encourages teachers to involve in faculty development programs, workshops and training programs. They are motivated to present papers in national and international conferences and there by upgrade their academic standard. Since the pandemic days, the institution has adopted to online teaching- learning methods along with the regular direct teaching methods. Teachers have been familiarized with smart apps such as, WhatsApp, Google Classroom,

Google Meet, Zoom, YouTube, Microsoft Team etc. for effective teaching and interaction. The institution has effective mechanism of conducting continuous internal Assessment, which includes timely conduct of internal assessment tests, maintaining confidentiality in IA question paper preparation, careful evaluation of IA “blue-books” of students by respective teachers and redressal of student grievances in evaluation.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

## 1.2 Academic Flexibility

### 1.2.1

**Number of Certificate/Value added courses offered and online courses of MOOCs, SWAYAM, NPTEL etc. (where the students of the institution have enrolled and successfully completed during the last five years)**

**Response:** 00

File Description	Document
List of students and the attendance sheet for the above mentioned programs	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

### 1.2.2

***Percentage of students enrolled in Certificate/ Value added courses and also completed online courses of MOOCs, SWAYAM, NPTEL etc. as against the total number of students during the last five years***

**Response:** 0

1.2.2.1 Number of students enrolled in Certificate/ Value added courses and also completed online courses of MOOCs, SWAYAM, NPTEL etc. as against the total number of students during the last five years

2023-24	2022-23	2021-22	2020-21	2019-20
00	00	00	00	00

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

### 1.3 Curriculum Enrichment

#### 1.3.1

*Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability in transacting the Curriculum*

**Response:**

The curriculum plays a very important role in the progress of a student. Hence, the college and University has designed a curriculum that includes crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum. The curriculum of department such as Language, Environmental Studies, Biotechnology (U.G. and P.G.), and Bio-Chemistry offer certain papers/chapters in their courses, related to these issues.

**Professional Ethics:** The Department of Biotechnology (U.G. and P.G.) in its PG fourth Sem syllabus has a theory paper called “Research methodology” which talks about Research Ethics and effect of research on society. Further college Career Guidance cell and placement cell guide students about professional ethics to be followed by any employee.

**Gender Sensitivity:** Discrimination of female population is a common problem in college campus and needs to be addressed. The college through the establishment of Women Empowerment Cell, Anti-Sexual Harassment Cell, Anti- Ragging cell and discipline committee tries to ensure the safety of women and prevent their discrimination in any form. To prevent such activities the college campus is secured with CCTV and the girl students have been accommodated in a well-maintained nearby Hostel. Students are informed to lodge complaints with the respective cell coordinators about any such harassment issues. The relevant committee then takes appropriate remedial measures.

**Human Values:** The curriculum of language departments have included certain aspects of human rights, and information on our Indian constitution. Further, by promoting student participation in extracurricular activities like NCC, NSS, Red Cross, Rovers and Rangers, they are trained to develop qualities such as social interaction, discipline, punctuality, hard work, sincerity and orient them towards social service and ethical practices. College celebrates days of National and International importance like Republic Day, Women’s Day, Independence Day, Teacher’s Day, International Yoga Day. The Camps organized by NSS, Rangers and Rovers especially helps students to develop team work, organization and leadership skills.

**Environment and Sustainability:** Environment is a key to human survival and hence students must have awareness on environment, its problems and solutions. In this regard, a compulsory paper on the environmental study is being taught to third semester B.Sc. students. This paper includes different aspects related to the environment, the dangers of environmental pollution, its impacts on surveillance of human beings, flora and fauna. Similarly, Department of Bio Chemistry in its curriculum has offered a

paper called “Environmental Biochemistry” and “Toxicology”, and M.Sc. Biotechnology has a paper called “Environmental Biotechnology” in their curriculum. These papers provide necessary information to promote environmental preservation and Sustainability. The Campus has rich flora, and an exotic botanical garden called “Sadbhavana Vana” which has a wide collection of medicinal and certain rare plants. Department of botany and environmental science, and NCC organizes programme such as Field visit, Charana, Plantation, Vanamahotsava, Environmental Day, Seed Day etc. to familiarize the students with the importance and diversity of plants and animal biome.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

### 1.3.2

**Percentage of students undertaking project work/field work/ internships (Data for the latest completed academic year)**

**Response:** 41.72

#### 1.3.2.1 Number of students undertaking project work/field work / internships

Response: 834

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

## 1.4 Feedback System

### 1.4.1

*Institution obtains feedback on the academic performance and ambience of the institution from various stakeholders, such as Students, Teachers, Employers, Alumni etc. and action taken report on the feedback is made available on institutional website*

**Response:** C. Feedback collected and analysed



<b>File Description</b>	<b>Document</b>
Feedback analysis report submitted to appropriate bodies	<a href="#">View Document</a>
At least 4 filled-in feedback form from different stake holders like Students, Teachers, Employers, Alumni etc.	<a href="#">View Document</a>
Action taken report on the feedback analysis	<a href="#">View Document</a>
Link of institution's website where comprehensive feedback, its analytics and action taken report are hosted	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## Criterion 2 - Teaching-learning and Evaluation

### 2.1 Student Enrollment and Profile

#### 2.1.1

##### Enrolment percentage

**Response:** 99.69

##### 2.1.1.1 Number of seats filled year wise during last five years (Only first year admissions to be considered)

2023-24	2022-23	2021-22	2020-21	2019-20
710	548	1058	846	986

##### 2.1.1.2 Number of sanctioned seats year wise during last five years

2023-24	2022-23	2021-22	2020-21	2019-20
710	551	1058	856	986

#### File Description

#### Document

Institutional data in the prescribed format

[View Document](#)

Final admission list as published by the HEI and endorsed by the competent authority

[View Document](#)

Document related to sanction of intake from affiliating University/ Government/statutory body for first year's students only.

[View Document](#)

Provide Links for any other relevant document to support the claim (if any)

[View Document](#)

#### 2.1.2

*Percentage of seats filled against reserved categories (SC, ST, OBC etc.) as per applicable reservation policy for the first year admission during the last five years*

**Response:** 100

##### 2.1.2.1 Number of actual students admitted from the reserved categories year wise during last five years (Exclusive of supernumerary seats)

2023-24	2022-23	2021-22	2020-21	2019-20
676	521	1030	574	942

### 2.1.2.2 Number of seats earmarked for reserved category as per GOI/ State Govt rule year wise during the last five years

2023-24	2022-23	2021-22	2020-21	2019-20
676	521	1030	574	942

File Description	Document
Institutional data in the prescribed format	<a href="#">View Document</a>
Final admission list indicating the category as published by the HEI and endorsed by the competent authority.	<a href="#">View Document</a>
Copy of communication issued by state govt. or Central Government indicating the reserved categories(SC,ST,OBC,Divyangjan,etc.) to be considered as per the state rule ( Translated copy in English to be provided as applicable)	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## 2.2 Student Teacher Ratio

### 2.2.1

**Student – Full time Teacher Ratio**  
(Data for the latest completed academic year)

**Response:** 17.09

## 2.3 Teaching- Learning Process

### 2.3.1

**Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences and teachers use ICT- enabled tools including online resources for effective teaching and learning process**

**Response:**

The college makes continuous efforts to enable its students to realize their potential and evolve as leaders by adopting several student centric methods such as Classroom interaction, Laboratory Experiments, Student projects/ Dissertations/Industrial visits/Field trip, Research lab visits. Seminars, Webinars, Workshops organized by various departments also help in the enhancements of learning experiences. Usage of ICT tools in all these experiential learning activities are encouraged.

**1. Participative Learning and Problem Solving:**

Teachers give importance to interaction in classes and encourage innovative thoughts. Students are given exposure to practical skills through well designed laboratory experiments. At the beginning teachers provide an overview of learning and programme objective. It helps them in self-evaluating their performance at the conclusion of the course. Seminars/activities /assignments, including problem solving type, are regularly given to students which help them to overcome stage fear, gain confidence and develop presentation skills. The faculty members make learning interactive with students by motivating student participation in group discussion, role-play, subject quiz, news analysis, educational games, discussion and questions and answers on current affairs, etc. Students are encouraged to write essays, Scientific articles, Poetry, Stories, etc. for publication in the college annual magazine “**Jnana-Tunga**” which helps to develop their writing skills. The Pathways Training center of the college organizes summer internship Program for UG students. Limited students can participate in this program, where they learn about the importance of education, employment and about life by deliberations with well-known resource persons.

Students of the college are encouraged to participate and provide organizational assistance to a variety of cultural and sports throughout the year. In addition to these, students participate in various activities organized by NCC, NSS, Rangers and Rovers, Youth Red cross and programmes carried out under Sahyadri Vijnana Parishath. All these activities help foster creativity, event-management skills, leadership qualities and inter personal communication of students.

**2. Usage of ICT tools:**

The institution has a mechanism to promote student-centric learning through experiential, participative, and problem-solving methodologies using ICT facilities. The teachers are well-trained in student-centric approaches and act as a facilitator who promotes self-learning and brings out latent skills through participatory learning. They ensure effective utilisation of ICT such as interactive-teaching-learning systems, E-Learning resources, Google classrooms, and Wi-Fi enabled networks with internet access for curricular interactions. Departments and Library are provided with sufficient number of computers and internet facilities, which in turn are made available to students for usage in their assignment/project/dissertations/activities preparations.

**3. Project work, Dissertations and Field work/Industrial visits:**

UG and PG students in their final year are mandated in their curriculum to carry out dissertation/project work/Field work/Industrial visit. UG students are assigned with dissertation /project work/Field work and are required to work under a senior faculty and prepare a comprehensive report. Some department arrange field visits/industrial visits aimed at providing exposures to practical knowledge related to their subject. M.Sc. students work under a research supervisor and are required to carry out research-based

project work aimed at acquainting them with research methodology, experimentation, data collection and analysis, and report writing skills.

<b>File Description</b>	<b>Document</b>
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

## 2.4 Teacher Profile and Quality

### 2.4.1

**Percentage of full-time teachers against sanctioned posts during the last five years**

**Response:** 84.64

**2.4.1.1 Number of sanctioned posts year wise during the last five years**

2023-24	2022-23	2021-22	2020-21	2019-20
128	171	184	160	145

<b>File Description</b>	<b>Document</b>
Sanction letters indicating number of posts sanctioned by the competent authority (including Management sanctioned posts)	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

### 2.4.2

***Percentage of full time teachers with NET/SET/SLET/ Ph. D./D.Sc. / D.Litt./L.L.D. during the last five years (consider only highest degree for count)***

**Response:** 60.72

**2.4.2.1 Number of full time teachers with NET/SET/SLET/Ph. D./ D.Sc. / D.Litt./L.L.D year wise during the last five years**

2023-24	2022-23	2021-22	2020-21	2019-20
75	81	85	88	76

File Description	Document
List of faculties having Ph. D. / D.Sc. / D.Litt./ L.L.D along with particulars of degree awarding university, subject and the year of award per academic year.	<a href="#">View Document</a>
Institution data in the prescribed format	<a href="#">View Document</a>
Copies of Ph.D./D.Sc / D.Litt./ L.L.D awarded by UGC recognized universities	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## 2.5 Evaluation Process and Reforms

### 2.5.1

**Mechanism of internal/ external assessment is transparent and the grievance redressal system is time- bound and efficient**

**Response:**

The college conducts all internal and external examinations as per the rules and regulations of Kuvempu university. During the orientation programme conducted at the beginning of the academic year, students, particularly freshers are made aware of the prevailing examination system and evaluation procedures. In addition, subject specific evaluation details are provided by the individual departments in their initial class hours.

In each semester, three internal assessment tests are conducted for students, first one in the 8th week, second in 12th week and third (only for absentees with genuine reason) near the semester end. Average of best of three internal test marks is considered as IA marks.

The college internal assessment committee manages the entire process in consultations with department heads and class representatives. The IA schedule and test syllabus are notified to the students well in advance. The head of the department prepares IA question paper, copies of which are taken from centralized xerox facilities. Students write tests in the blue books provided by the college only. The answer booklets are valued by subject teachers soon after the test and the marks are displayed on the notice board. Students are informed to go through the evaluated booklets for any correction. The

faculty members individually guide the students to improve their performance in internal assessment. Practical sessions are also subjected to continuous internal evaluation by verifying their practical records every week.

The semester-end examinations are conducted as per the time-table announced by university. Question

paper-setting, scrutiny and central valuation are conducted by university appointed Board of Examination (BOE). Students pay examination fees in online mode and collect Admission ticket from the college office prior to the commencement of examination. Producing Identity card and Admission ticket are mandatory while giving examination. University supplies Answer Booklets and question papers in secured manner just before examination. A body of senior faculty members, office superintendents, and college principal supervise meticulously the entire examination process ensuring strict confidentiality and proper organization.

Practical examination is conducted systematically according to university examination schedule. A practical examination coordinator appointed by university on seniority basis allots internal and external examiners for each practical batch of nearly 10 students. Time-table preparation, batch preparation, marks entry and upload are fully automated using examination software – **LOGYSIS (non-NEP)/UUCMS (NEP)** portal of government of Karnataka.

Theory valuation process is conducted in a centralized manner under the supervision of experienced faculties. The marks entry, valuation duty allotment and result declaration have been automated through LOGYSIS/UUCMS software.

An effective mechanism is in place for redressal of evaluation grievances. Students are provisioned for Xerox copy of concerned theory paper, re-totalling and/or re-valuation after paying the prescribed fees. If the difference between first and re-valuation exceeds 15% of the maximum marks for the paper it will be sent to the third valuation. The final result is calculated as the average between two nearest marks secured of the three valuations. The students booked under malpractice are provided enough opportunities to defend their stand during the University malpractice committee meeting.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

## 2.6 Student Performance and Learning Outcomes

### 2.6.1

***Programme Outcomes (POs) and Course Outcomes (COs) for all Programmes offered by the institution are stated and displayed on website***

#### **Response:**

The College offers B.Sc., BCA, M.Sc. Ph.D programs each having unique and well-defined outcomes. The specific learning outcomes of various courses is built into the curriculum of each discipline. For each program, the parent university frames the syllabus through the active involvement of its various subject specific Board of Studies (BOS). The syllabus under NEP is framed by the State Govt. Syllabus copy for all programmes and courses is made available to all the stakeholders on the University website and is uploaded on the institution website as well. Hard copy of the same is available in the College

library and respective departments along with program outcome and course outcome for reference. The college prospectus provides a brief overview of college administration, admission criteria and fee structure, faculty details, programmes/courses offered, Library facilities, co-curricular and extra-curricular activities, various units and cells of the college.

The undergraduate/post-graduate Curriculum is carefully designed to provide essential theoretical and practical knowledge in each science subjects aimed at readying the students to persue advanced courses. The UG science curriculum under National Education Policy (NEP)-2020 has given more impetus to practical/skill/activity -- based learning, and provides wider learning

opportunities through the introduction of open elective courses based on science and non-science curricula.

The importance of learning outcome, program outcome and course outcomes are communicated to the teachers in the staff meetings and through faculty workshops. Students are briefed about the objective and expected outcome of their program during orientation programme held for freshers in the beginning of the academic year. In the beginning of each semester, at least one class hour is spent by each faculty to guide students about the expected programme and course outcomes and importance of student participation to fulfil the stated objectives and educate them about future opportunities. They are advised to interact with senior students and Alumni to learn about their experience and career paths, so that they are encouraged and motivated to plan - out similar road maps for their own future.

A broad-spectrum of teaching methodologies are adopted to ensure the fulfilment of the programme objectives. This includes classroom teaching, laboratory experiments, group discussions, presentation, conferences, seminar, projects and career-guidance programs, industrial visit, extracurricular and co-curricular activities. The students are also encouraged to participate actively in job fairs and campus interviews.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

## 2.6.2

*Attainment of POs and COs are evaluated.*

**Explain with evidence in a maximum of 500 words**

**Response:**

The attainment of programme and course outcomes is evaluated mainly through the results of the internal assessment and external examinations conducted by the University. Departments analyze the results course-wise and take corrective measures in case the outcome is not upto-the-mark. Student performance in the practical examination is also taken note of and required modifications in the teaching-learning



methodology is brought-in. The number of rank holders (in different programmes) from the college is another important yardstick to analyze efficient delivery of teaching-learning process.

To compel students to work with involvement and thereby ensure the attainment of the programme/course objectives, activities such as project/dissertation work, field-trips and study tours are made mandatory by making them part of the student evaluation process. Verification of student class attendance, preparation and proper maintenance of practical record books, submission of assignments, and exposure to classroom seminars form other indirect evaluation measures practices in the college.

Along with the attainment of POs and COs the college ensures that students get adequate opportunities to harness their leadership skills, build confidence for public speaking, inculcate team-work qualities, instill social awareness and service mindset, and develop independent thinking. This is done by encouraging them to participate in a variety of co-curricular activities such as NCC, NSS, Rangers and Rovers, Youth red-cross, and extra-curricular activities like competitions, quizzes etc. The pathways unit of the college provides an ideal environment to mold the overall personality of few chosen meritorious students coming from socially backward class and makes them ready to face the modern-day challenges.

Student progression to higher education is keenly monitored by the departments, as they are definitive indicators for the successful accomplishment of expected outcomes. It is observed that every year a large number of our students are capable of getting into higher education like M.Sc. and Ph.D either in our parent university or in other reputed universities and research centers.

The placement record of the college is also used as a means to evaluate the fulfilment of the expected outcomes. The college has an impressive placement record. A number of students have cleared competitive examinations and are placed in government and private jobs. Also, a sizeable number of students work in private companies, and many are self-employed as well.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

### 2.6.3

#### Pass percentage of Students during last five years (excluding backlog students)

**Response:** 89.68

#### 2.6.3.1 Number of final year students who passed the university examination year wise during the last five years

2023-24	2022-23	2021-22	2020-21	2019-20
781	705	780	723	706

**2.6.3.2 Number of final year students who appeared for the university examination year-wise during the last five years**

2023-24	2022-23	2021-22	2020-21	2019-20
900	818	850	766	786

<b>File Description</b>	<b>Document</b>
Institutional data in the prescribed format	<a href="#">View Document</a>
Certified report from Controller Examination of the affiliating university indicating pass percentage of students of the final year (final semester) eligible for the degree programwise / year-wise.	<a href="#">View Document</a>
Annual report of controller of Examinations(COE) highlighting the pass percentage of final year students	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

**2.7 Student Satisfaction Survey****2.7.1****Online student satisfaction survey regarding teaching learning process****Response:** 3.47

<b>File Description</b>	<b>Document</b>
Upload database of all students on roll as per data template	<a href="#">View Document</a>

## Criterion 3 - Research, Innovations and Extension

### 3.1 Resource Mobilization for Research

#### 3.1.1

*Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the last five years (INR in Lakhs)*

**Response:** 75.57

**3.1.1.1 Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the last five years (INR in Lakhs)**

2023-24	2022-23	2021-22	2020-21	2019-20
12.91	22.66	10	12	18

#### File Description

#### Document

Upload supporting document

[View Document](#)

Institutional data in the prescribed format

[View Document](#)

### 3.2 Innovation Ecosystem

#### 3.2.1

**Institution has created an ecosystem for innovations, Indian Knowledge System (IKS), including awareness about IPR, establishment of IPR cell, Incubation centre and other initiatives for the creation and transfer of knowledge/technology and the outcomes of the same are evident**

**Response:**

Sahyadri Science College is unique among the colleges in the region because of its intense research activities. This can be evidenced by the fact that more than 80% of the regular teaching faculties are with doctoral degree, about 30 University recognized research guides, a number of major and minor research projects. overwhelming number of publications in national and international journals, high output of Ph.D students and frequent organization of conferences/ seminars/ workshops. To support research activities and innovation, the college houses advanced instruments such as UV spectrophotometer, Infrared spectrometer, Probe sonicator, Trinocular microscope, high accuracy digital balance, Scintillation spectrometer, Gel-doc, double distillation, high temperature furnace etc. Overall, the college provides an ideal research environment.

The college has a research committee comprising the institute head, research guides and senior faculty members. The Committee is authorized to guide the administration and departments regarding the

submission of research proposals to various central and state funding agencies, applying for major and minor projects, augmentation of research infrastructure and instrumentation, and suggest measures to promote research activities in the college. The research committee is also involved in providing information for the smooth conduct of various seminars, symposia and workshops etc. it also supervises the implementation of student research projects.

Different departments in the college have faculties with university recognized research guideship and a number of research scholars are working under them for their Ph. D degree in their chosen own areas of research. The thrust areas of research being pursued by the faculties are:

- Study of microorganisms for bioactive compounds (Dept. of Microbiology)
- Environmental Biology and Orchids Biodiversity (Dept. of Botany)
- Natural products, Plant Biotechnology and Cancer Biology (Dept. of Biotechnology)
- Synthetic Organic Chemistry (Dept. of Chemistry)
- Chemical studies of medicinal plants and products (Dept. of Chemistry)
- Metal complexes, polymers. (Dept. of Chemistry)
- Diversity, distribution and conservation of plant species (Dept. of Botany)
- Botanical Garden, Museum & medicinal plants (Dept. of Botany)
- Polymers nano composites, Amorphous solids and Soil Physics (Dept. of physics)
- Fluid dynamics, Differential Geometry, Differential Equations (Dept. Of mathematics).
- Genetics, Biodiversity, Toxicology, aquaculture etc. (Dept. of Zoology)
- In their final year UG as well as in PG degree programme students are required to undertake research projects as a mandatory practice. The students are assigned with mini-projects under the guidance of a faculty, wherein, the students are provided a problem and are asked to undertake literature survey, draw objectives, and its execution through experiments, and ultimately asked to submit a dissertation or project reports. The topics assigned to students broadly pertain to the areas of expertise of the respective guides a few of which has been enumerated above. Overall, this exercise is of immense help in igniting their research tempo thus providing an environment congenial for innovative research and development.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

### 3.2.2

***Number of workshops/seminars/conferences including on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship conducted during the last five years***

**Response:** 17

**3.2.2.1 Total number of workshops/seminars/conferences including programs conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during last five years**

2023-24	2022-23	2021-22	2020-21	2019-20
4	5	2	1	5

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

### 3.3 Research Publications and Awards

#### 3.3.1

**Number of research papers published per teacher in the Journals notified on UGC care list during the last five years**

**Response:** 0.63

**3.3.1.1 Number of research papers in the Journals notified on UGC CARE list year wise during the last five years**

2023-24	2022-23	2021-22	2020-21	2019-20
22	29	54	34	23

File Description	Document
Link to the uploaded papers, the first page/full paper(with author and affiliation details)on the institutional website	<a href="#">View Document</a>
Link to re-directing to journal source-cite website in case of digital journals	<a href="#">View Document</a>
Links to the papers published in journals listed in UGC CARE list or	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

#### 3.3.2

**Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years****Response:** 0.22**3.3.2.1 Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during last five years**

2023-24	2022-23	2021-22	2020-21	2019-20
2	27	14	9	5

File Description	Document
List of chapter/book along with the links redirecting to the source website	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>
Copy of the Cover page, content page and first page of the publication indicating ISBN number and year of publication for books/chapters	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

**3.4 Extension Activities****3.4.1****Outcomes of Extension activities in the neighborhood community in terms of impact and sensitizing the students to social issues for their holistic development during the last five years.****Response:**

Sahyadri science college organises many activities to sensitize students to social issues and prepare them to respond adequately to realities outside the classroom where the facts and theories learned in the class are tested, applied and relearned in real life contexts. The college has conducted more than 200 events over the last five years, including programmes under SwachhBaharat Abhiyan, Aids Awareness, Tree plantation Pukhawada, Community-Village Engagement, Blood Donation camp, Gender Equality, Women empowerment, Health and Environment Protection.

Sahyadri Science College has an Army NCC wing (2B/20 COY). The social service activities include Blood donation camps, Tree plantation programme, Swachh Bharath Abhiyan, International Yoga Day celebration with public. It has organized awareness rallies and programs on covid-19 during the pandemic situation.

NSS orients students on social issues and offers opportunities to conduct and coordinate various activities related to the college programmes, national integration and extension activities. The various activities of NSS include rally to raise awareness on drug abuse, cleaning drive, village camps.

The Youth Red Cross (YRC) of college organized “Blood donation camp” every year in association with Bharatiya Sanjeevini Redcross Bloodbank, Shimoga/ Shimoga Institute of Medical Science, Shimoga/ McGann District Hospital, Shimoga, students, faculty members and non-teaching staff of the college donate blood on the occasion. The YRC wing of the college organized programs on National/International days such as AIDS day, International day against drug abuse, Cancer day etc, in order to create awareness in the society

The College has Bharat Scouts Rovers unit of students which has diversified activities in association with NGOs like Helmet Awareness Program, Environmental issues, Blood Donation camps and other public awareness activities by involving youth. The purpose is to develop the young people as Rangers and Rovers, in achieving their overall physical, intellectual, social and spiritual goals, thus enabling them to become more responsible and duty bound individuals in society and communities. Rangers and Rovers of Sahyadri science college have attended camps at various levels and represented the college.

Other than NSS, NCC, Rangers and Rovers, Youth Red Cross units, the various departments of the college is conscious about its responsibilities for shaping students into responsible citizens of the country by making students aware of social issues through various programmes like Environmental Awareness, Personal Health and Hygiene, Diet awareness, Road Safety, Tree Plantation, Soil and Water Testing, Plastic eradication, No vehicle day, Voters awareness, Blood group detection, Health check -up camps, Blood donation camps, Dental checkup camp, etc. All these mentioned activities have positive impact on the students and it developed student community relationship, leadership skill and self-confidence of students. It also helped in cultivating hidden personality of students and created awareness among students.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

### 3.4.2

#### **Awards and recognitions received for extension activities from government / government recognised bodies**

##### **Response:**

##### **Awards:**

1. Meghana BR, Ranger (KAR/RA-317/2020-21), received ‘RAJYAPURASKAR’ award by The Bharath Scouts & Guides, Karnataka
2. Anjali A, NSS volunteer, received University Level ‘Best NSS Volunteer award’ by NSS,

Kuvempu University in 2021-22.

3. Sinchana J, NSS volunteer, Secured '3rd place in Fine arts' in NSS State Youth Festival at Gulbarga University, Kalaburgi held during 8-1-2021 to 11-1-2021.
4. Sinchana J, NSS volunteer, Secured '1st place in Poshak show' in State Youth Festival, Adichunchanagiri Mahasamsthana Mutt, Mandya held during 4-1-2022 to 5-1-2022.

### Recognitions:

1. Sinchana J, NSS volunteer, Participation in State Republic Day Parade Camp at RV College of Engineering, Bengaluru held during 15-01-2022 to 27-01-2022.
2. Sinchana J, NSS volunteer, participated in South Zone Pre-Republic Day Parade Selection Camp-2021 organized by Regional Directorate of NSS Bengaluru at UAS, GKVK, Bengaluru held during 22nd to 31st October 2021.
3. Sinchana J, NSS volunteer, participated in National Youth Festival at Puducherry held during 12-1-2022 to 13-1-2022

Apart from the above, some members are regularly sponsoring cash awards for meritorious students honoured in the yearly function of Prathibha Puraskara.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

### 3.4.3

*Number of extension and outreach programs conducted by the institution through organized forums including NSS/NCC with involvement of community during the last five years.*

**Response:** 39

**3.4.3.1 Number of extension and outreach Programs conducted in collaboration with industry, community, and Non- Government Organizations through NSS/ NCC etc., year wise during the last five years**

2023-24	2022-23	2021-22	2020-21	2019-20
13	10	5	6	5



File Description	Document
Photographs and any other supporting document of relevance should have proper captions and dates.	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>
Detailed report for each extension and outreach program to be made available, with specific mention of number of students participated and the details of the collaborating agency	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

### 3.5 Collaboration

#### 3.5.1

*Number of functional MoUs/linkages with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research during the last five years.*

**Response: 7**

File Description	Document
Summary of the functional MoUs/linkage/collaboration indicating start date, end date, nature of collaboration etc.	<a href="#">View Document</a>
List of year wise activities and exchange should be provided	<a href="#">View Document</a>
List and Copies of documents indicating the functional MoUs/linkage/collaborations activity-wise and year-wise	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## Criterion 4 - Infrastructure and Learning Resources

### 4.1 Physical Facilities

#### 4.1.1

The Institution has adequate infrastructure and other facilities for,

- teaching – learning, viz., classrooms, laboratories, computing equipment etc
- ICT – enabled facilities such as smart class, LMS etc.

Facilities for Cultural and sports activities, yoga centre, games (indoor and outdoor), Gymnasium, auditorium etc (Describe the adequacy of facilities in maximum of 500 words.)

#### Response:

The campus has a wide area of 81 acres. It houses main building (area-8244.70 m<sup>2</sup>), Diamond jubilee building (Area: -3836.22 m<sup>2</sup>), RUSA building(2824.6 m<sup>2</sup>) Library building (1522.47 m<sup>2</sup>), Pathways training cell (289.25 m<sup>2</sup>), Canteen (266.2 m<sup>2</sup>), Outdoor stadium((cost- **15** crore; pavilion-7260.25m<sup>2</sup>; seating capacity- 40000 to host state/national level competitions),Indoor Stadium(3824.6 m<sup>2</sup>) Sadbhavana Vana (one-Hectare), Playground(40,000 sq. m), Boys Hostel (2214 m<sup>2</sup>), Girl's hostel (2895 m<sup>2</sup>) and University City Office.

#### 1. TEACHING – LEARNING INFRASTRUCTURE

##### CLASS ROOMS AND ICT FACILITIES: -

- **29** classrooms of different dimensions with good ventilation, lighting, and comfortable seating arrangements.

##### LABORATORIES:

**Total laboratories - 39:** Physics (05), Chemistry (13), Zoology (02) & Zoology Museum (01), Botany (03) & Botany Museum (01), Computer Science (2), Mathematics (1). Geology (02) & Geology Museum (01), Bio chemistry (01), Environmental Science (01), Biotechnology (04), Electronics (01), Seed Technology (01). 06 laboratories are provided with UPS connection.

- **Research Laboratories-08:** Chemistry (05), Biotechnology (02) and Microbiology (01).
- **Library & Internet Facilities:**

College has a library with good collection of books, Journals, encyclopaedia etc., It has a reading hall, Internet browsing centre, CCTV surveillance etc.

- UG & PG Text books & references – 56370
- Journals - 27
- Newspapers- 14
- Periodicals - 23
- Internet Browsing centre

- Drinking water facility and Gents and Ladies toilet.

### **COMPUTERS & PHOTOCOPIERS:**

82 desktops, 19 laptops, 40 printers and 03 scanner 01 colour printer ,07 Xerox machine use of students, office, and faculty.

### **SEMINAR HALLS (CAPACITY):**

- **Prof. C.N Rao auditorium-** 180-seater auditorium, with good acoustics and lighting.
- **Radhakrishna Hall** (150)
- **Abdul Kalam Hall** (150)
- **Room number-08** (80)

### **CANTEEN:**

College canteen provides hygienic food at reasonable price and has separate sections for staff and student.

### **BOYS AND GIRL'S HOSTELS:**

The College has 2 boys and 2 girls hostels supervised by a Warden. The is students are provided with clean and Spacious rooms, quality and nutritious food, at very low room rent and food price.

### **PATHWAYS TRAINING AND PLACEMENT CELL:**

To achieve overall personality development of financially/socially backward meritorious students pathways came into existence in the year 2000. It has the following facilities.

- Acoustically designed air-conditioned training hall-01
- Computer lab with internet facility-01
- Library -01(400 books)
- Lecture hall-01
- Washroom-01

### **SADBHAVANA VANA:**

The college has **Sadbhavana Vana** containing variety of plants and trees of medicinal values and resource for plant diversity studies.

### **Out Door Stadium, Play Ground and Yoga centre**

The college has outdoor sports stadium Cost-15 Crore; Pavillion-7260.25m<sup>2</sup>; Seating Capacity- 40,000- to host state/national level competitions and well-equipped sports / gymnasium rooms. There is a YOGA-Centre in the DJB hall for students and public.

### **CULTURAL EVENTS:**

The college has the following facilities to conduct cultural events like Ethnic day, “Saniha” etc.

- Program stages -02
- Auditorium-01
- Open Stage with public address system-01

#### VEHICLE PARKING:

College has spacious Four and Two Wheelers vehicle parking for staff and students.

#### ICT – ENABLED FACILITIES SUCH AS SMART CLASS

- 04 classrooms fitted with LCD projectors to aid modern teaching-learning methods. Additionally, 03 portable LCD projectors are available.
- Number of smart classrooms - 02

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

#### 4.1.2

*Percentage of expenditure for infrastructure development and augmentation excluding salary during the last five years*

**Response:** 53.27

**4.1.2.1 Expenditure for infrastructure development and augmentation, excluding salary year wise during last five years (INR in lakhs)**

2023-24	2022-23	2021-22	2020-21	2019-20
100.00	152.10	65.0	147.65704	111.17

File Description	Document
Institutional data in the prescribed format	<a href="#">View Document</a>
Audited income and expenditure statement of the institution to be signed by CA for and counter signed by the competent authority (relevant expenditure claimed for infrastructure augmentation should be clearly highlighted)	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## 4.2 Library as a Learning Resource

### 4.2.1

*Library is automated with digital facilities using Integrated Library Management System (ILMS), adequate subscriptions to e-resources and journals are made. The library is optimally used by the faculty and students*

#### Response:

The college has a well-equipped and well-maintained independent library having a floor area of 1522.47 sq.m. The library has spacious reference section (90 X 41.5 sq.m), separate newspaper reading section, internet browsing centre (15 computers with LAN), sufficient number of books racks (area covered 51 X 41.5 sq.m), almirahs, tables and chairs. It has a seating capacity of 200. The library is secured with 9 CCTV surveillance systems, fire extinguisher and 6K UPS facility.

The library has following collection of books, journals etc.

- **Total books**

- UG Text books– 41385
- PG Text books– 7742
- PG-SWO books – 234
- UGC book bank books – 3882
- SWO book bank books - 1535
- Reference books - 1563
- Rare books – 29

- **Encyclopaedias – 128**

- **Atlases – 2**
- **CDs/DVDs – 90**

#### Library Automation:

All books in library are bar-coded. The library is partially automated (since 2012) with e-Lib Library

management software (version 16.2). It helps in managing the entire transactions of the library. Specifically, the issue/return of books to students, purchase of new books, journals etc. annual stock verification, old books disposal etc. can be managed with ease using the software.

#### **Purchase of books and journals subscription:**

The college every year earmarks sufficient funds to the purchase of *books/e-books and subscription to journals/e-journals*. The table below shows the annual expenditure on these during last five years (INR in Lakhs)

Year	Expenditure			
	Books	Journals	Periodicals & Newspapers	New-Journals and Resources
2019-20	11,82,720=00	52,954=00	42,028=00	Nil
2020-21	Not purchased due to Covid-19	52,679=00	25,704=00	Nil
2021-22	20,63,756=00	Nil	40,173=00	Nil
2022-23	Nil	Nil	52,397=00	Nil
2023-24	Nil	Nil	57,013=00	Nil

#### **Details of library usage by teachers and students**

- Library timings – 9:00 AM - 6:00 PM
- Average number of books issue/ return per day = 36
- Average number of students visited per day = 99
- Average number of teachers visited per day = 05

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

### **4.3 IT Infrastructure**

#### **4.3.1**

**Institution frequently updates its IT facilities and provides sufficient bandwidth for internet connection**

*Describe IT facilities including Wi-Fi with date and nature of updation, available internet bandwidth within a maximum of 500 words*

#### **Response:**

The college is fully aware of long-term perspective of the critical importance of IT facilities in the present times, both for enhancing its own functioning and for equipping its students and staff with

requisite skills in the modern digital world. It, therefore, updates its IT facilities from time to time, and has in place well-defined policies and frameworks in this regard. The details are as follows:

- The **College office** performs its various functions like students admission, fee collection, maintenance of records, issue of certificates, correspondence with University and Govt. department offices using the IT mode. The office is facilitated with sufficient number of computers, printers, Xerox machine and high-speed internet/WiFi facilities according to the requirement.
- All the **departments** have been given desktop/laptop computers, Printers and internet/WiFi connectivity to manage their routine official works, Classroom preparations, students seminar and dissertation/project related works. The departments use the examination software LOGYSIS and UUCMS to Internal Assessment and practical examination marks entry.
- The **Department of computer science** have their own **Computer Laboratories**, with adequate number of computer systems, which helps both specializing students and general students with ample time and training in honing their advanced /basic computer skills.
- The **Department of Mathematics** has introduced **MATLAB** for the IV semester B.Sc students. The software MATLAB is a powerful language used for technical computing. MATLAB is used for math computations, modelling and simulations, data analysis and processing, visualization and graphics and algorithm development, it is also used in the correlative study of fluid flow problems and to view 3-dimensional pictures.

ICT enabled teaching has been strengthened in the college by equipping with adequate infrastructure and training of faculty. The department facilities for innovative teaching have been upgraded with the addition of

- LCD projectors and computers with broad band connectivity. Some Class rooms and the seminar hall have also been fitted with LCD projection equipment to help make teaching-learning more effective and enjoyable.
- The **library** uses **e-lib** software, which is of great help in quick, easy, and efficient handling of tasks like accession and circulation of books and journals. The library is also equipped with computers, printers/Scanners, 2 MBPS Internet broad band, and a photocopier for day-to-day administration, record-keeping and to provide an internet browsing center for the usage of students and faculty.
- **Pathways Training and Placement Cell** unit of the college focusses on providing computer skills, communication skills, personality development skills etc. to financially/socially backward meritorious students. To meet its objectives, it has been equipped with a computer lab facility having about 20 computers with high-speed internet facility and acoustically designed air-conditioned training hall with LCD projector and computer with internet connection.
- To ensure proper vigilance and security in the campus, **CCTV cameras** have been installed at various strategic points in the college like office premises, examination section, building corridors and entrances, college gates, library premises, hostels etc.
- The **ladies and boys hostels** are provided with computers and internet facilities for office usage and urgent academic needs of resident students on request basis.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

**4.3.2****Student – Computer ratio (Data for the latest completed academic year)****Response:** 24.38**4.3.2.1 Number of computers available for students usage during the latest completed academic year:**

Response: 82

File Description	Document
Purchased Bills/Copies highlighting the number of computers purchased	<a href="#">View Document</a>
Extracts stock register/ highlighting the computers issued to respective departments for student's usage.	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

**4.4 Maintenance of Campus Infrastructure****4.4.1**

*Percentage expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component, during the last five years (INR in Lakhs)*

**Response:** 8.24**4.4.1.1 Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component year wise during the last five years (INR in lakhs)**

2023-24	2022-23	2021-22	2020-21	2019-20
12.73968	17.32584	21.70784	7.97283	29.34580



<b>File Description</b>	<b>Document</b>
Institutional data in the prescribed format	<a href="#">View Document</a>
Audited income and expenditure statement of the institution to be signed by CA for and counter signed by the competent authority (relevant expenditure claimed for maintenance of infrastructure should be clearly highlighted)	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## Criterion 5 - Student Support and Progression

### 5.1 Student Support

#### 5.1.1

*Percentage of students benefited by scholarships and freeships provided by the institution, government and non-government bodies, industries, individuals, philanthropists during the last five years*

**Response:** 78.89

**5.1.1.1 Number of students benefited by scholarships and freeships provided by the institution, Government and non-government bodies, industries, individuals, philanthropists during the last five years**

2023-24	2022-23	2021-22	2020-21	2019-20
1305	2339	2839	1370	1293

#### File Description

#### Document

Year-wise list of beneficiary students in each scheme duly signed by the competent authority.

[View Document](#)

Upload Sanction letter of scholarship and free ships (along with English translated version if it is in regional language).

[View Document](#)

Upload policy document of the HEI for award of scholarship and freeships.

[View Document](#)

Institutional data in the prescribed format

[View Document](#)

Provide Links for any other relevant document to support the claim (if any)

[View Document](#)

#### 5.1.2

*Following capacity development and skills enhancement activities are organised for improving students' capability*

- 1. Soft skills*
- 2. Language and communication skills*
- 3. Life skills (Yoga, physical fitness, health and hygiene)*
- 4. ICT/computing skills*

**Response:** B. 3 of the above

File Description	Document
Report with photographs on Programmes /activities conducted to enhance soft skills, Language and communication skills, and Life skills (Yoga, physical fitness, health and hygiene, self-employment and entrepreneurial skills)	<a href="#">View Document</a>
Report with photographs on ICT/computing skills enhancement programs	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

### 5.1.3

**Percentage of students benefitted by guidance for competitive examinations and career counseling offered by the Institution during the last five years**

**Response:** 9.75

**5.1.3.1 Number of students benefitted by guidance for competitive examinations and career counselling offered by the institution year wise during last five years**

2023-24	2022-23	2021-22	2020-21	2019-20
316	184	296	177	157

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

### 5.1.4

***The institution adopts the following for redressal of student grievances including sexual harassment and ragging cases***

- 1.Implementation of guidelines of statutory/regulatory bodies**
- 2.Organisation wide awareness and undertakings on policies with zero tolerance**
- 3.Mechanisms for submission of online/offline students' grievances**
- 4.Timely redressal of the grievances through appropriate committees**

**Response:** B. 3 of the above

File Description	Document
Proof w.r.t Organisation wide awareness and undertakings on policies with zero tolerance	<a href="#">View Document</a>
Proof related to Mechanisms for submission of online/offline students' grievances	<a href="#">View Document</a>
Proof for Implementation of guidelines of statutory/regulatory bodies	<a href="#">View Document</a>
Details of statutory/regulatory Committees (to be notified in institutional website also)	<a href="#">View Document</a>
Annual report of the committee motioning the activities and number of grievances redressed to prove timely redressal of the grievances	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## 5.2 Student Progression

### 5.2.1

**Percentage of placement of outgoing students and students progressing to higher education during the last five years**

**Response:** 20.6

**5.2.1.1 Number of outgoing students placed and / or progressed to higher education year wise during the last five years**

2023-24	2022-23	2021-22	2020-21	2019-20
183	194	188	139	137

**5.2.1.2 Number of outgoing students year wise during the last five years**

2023-24	2022-23	2021-22	2020-21	2019-20
900	781	850	766	786

File Description	Document
Number and List of students placed along with placement details such as name of the company, compensation, etc and links to Placement order(the above list should be available on institutional website)	<a href="#">View Document</a>
List of students progressing for Higher Education, with details of program and institution that they are/have enrolled along with links to proof of continuation in higher education.(the above list should be available on institutional website)	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

### 5.2.2

*Percentage of students qualifying in state/national/ international level examinations during the last five years*

**Response:** 0.93

**5.2.2.1 Number of students qualifying in state/ national/ international level examinations year wise during last five years (eg: IIT/JAM/NET/SLET/GATE/GMAT/GPAT/CLAT/CAT/ GRE/TOEFL/ IELTS/Civil Services/State government examinations etc.)**

2023-24	2022-23	2021-22	2020-21	2019-20
6	1	2	5	16

File Description	Document
List of students qualified year wise under each category and links to Qualifying Certificates of the students taking the examination	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## 5.3 Student Participation and Activities

**5.3.1**

**Number of awards/medals for outstanding performance in sports/ cultural activities at University / state/ national / international level (award for a team event should be counted as one) during the last five years**

**Response:** 48

**5.3.1.1 Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one) year wise during the last five years**

2023-24	2022-23	2021-22	2020-21	2019-20
1	13	5	2	27

File Description	Document
Upload supporting document	<a href="#">View Document</a>
list and links to e-copies of award letters and certificates	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

**5.3.2**

**Average number of sports and cultural programs in which students of the Institution participated during last five years (organised by the institution/other institutions)**

**Response:** 5.2

**5.3.2.1 Number of sports and cultural programs in which students of the Institution participated year wise during last five years**

2023-24	2022-23	2021-22	2020-21	2019-20
5	7	5	3	6

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

## 5.4 Alumni Engagement

### 5.4.1

**There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services**

#### Response:

College being the oldest in Malenadu region and surrounding districts with **83** years of existence has very good functional alumni. Alumni of our college started in the year 1984 named as “**Hiriya Vidyarthi Sangha**”. The alumni has been playing important role in shaping the development of the students of our college. College has received assistance from the alumni in various forms, be it monetary or physical help or by other means.

Alumni conducted meetings; distinguished alumni’s were felicitated by our “**Hiriya Vidyarthi Sangha**”. These meetings provide for both Alumni’s and present students, as well as for faculties a link between all. One of the alumni donated RO drinking water for College Girls Hostel. Alumni Association meetings are conducted frequently to create an opportunity for them to meet and share their knowledge with friends and teachers. The alumni actively involved in organizing events in the college and supporting in the placement for present students as they have occupied prestigious positions at different levels.

Alumni are invited at various events as Chief Guests to interact with students and teachers. Alumni share their experience on how a specific course helped to shape their career. This encourages aspirants to look positively towards the outcomes of the programme.

College provides placement training to students every year. Alumni meet expenditure on refreshment, hospitality and facilitation to resource persons. Some of the old students in this institution have established considerably bigger business and production units in which many of our students receive job opportunity. Old students arranged visit to banks and industrial units. The alumni have been an integral part of our institution and involves very actively in our programs and events. This body performs as social platform which is highly valued testimony to our commitment to serve the cause of education in general and student’s community in particular. Alumni and college compliment efforts manually and perform hand in glove with each other.

Thus, alumni have been providing service to the institution by sharing and providing experience, knowledge and expertise.

- The institution has an alumni association which started since 1984.
- From, “**Hiriya Vidyarthigala Sangha**” a workshop has been arranged for High School and PU teachers on revision of different subject matters. It was held on 10-11-2013.
- On 04/07/2015 again a workshop for High School teachers have been conducted.

- An alumni meeting was conducted on 16/10/2017, it was decided to register the Alumni's, so on 16/12/2017 Registration of the alumni's for "**Hiriya Vidyarthigala Sangha**".
- A meeting of alumni held on 29/01/2016. The meeting agenda of the meeting was
  - Diamond Jubilee Celebration of Sahyadri Science College.
  - Helping for the economically poor students.

In the meeting held by "**Hiriya Vidyarthigala Sangha**" on 09/10/2021 it was decided that Alumni members should arrange a series of Guest Lecturers for the benefit students.

The college is proud to have distinguished Alumni as politicians, poets, scientists. Many of our teaching and non-teaching staff are also students of this college.

- Sri D H Shankarmurthy—Politician
- Sri Nisar Ahmed--- Poet
- Prof. C N R Rao--- Scientist

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>



## Criterion 6 - Governance, Leadership and Management

### 6.1 Institutional Vision and Leadership

#### 6.1.1

*The institutional governance and leadership are in accordance with the vision and mission of the Institution and it is visible in various institutional practices such as NEP implementation, sustained institutional growth, decentralization, participation in the institutional governance and in their short term and long term Institutional Perspective Plan.*

#### **Response:**

#### **University (College) Emblem:**

The emblem of the institution is with the theme of “Manujamatha (the religion of humanity), Viswapatha (the Universal path), Sarvodaya (the welfare of all), Samanvaya (reconciliation) and Poornadrusti (the integral vision)” derived from the message of humanism given by Rashtra kavi Kuvempu.

Both the vision and the mission statement reflect the quality of education imparted in this College.

#### **Vision:**

The vision of the College is to become a centre of excellence in teaching and promoting research. It strives to make the stakeholders capable of achieving excellence and facing global challenges. The teachers and the students of the College have responded positively to promote teaching and research in basic and applied sciences.

**Mission:** Sahyadri Science College is committed to:

- Foster Creativity in Teaching, Learning and Research of Basic and Applied Sciences to build A Knowledge base and promote quality initiatives.
- To make Science education attractive and accessible Develop scientific knowledge to meet the societal needs.
- The mission of the College is to make science education attractive, accessible and develop scientific knowledge. Along with curricular aspects, the college provides opportunities for participation in sports, cultural events, NCC, NSS, Rovers & Rangers, Red cross, pathways etc. to promote their all-round personality development.

#### **Institutional governance and leadership**

- Our institution is a constituent college of Kuvempu University. The head of Governance is Vice Chancellor and administrative heads are Registrar and Registrar (Evaluation). They are our apex authority in terms of appointment, dispersal of salary, promotion, superannuation etc. The college principal monitors the activities of the college with the assistance of office staff. The department

Heads and other faculty have been assigned the academic responsibilities. Regarding examination, the college has been authorized to conduct Internal Assessment Tests while the semester end examinations, evaluation and announcement of results are monitored by the University. The IQAC of the college guides College calendar of events, annual plan of action, review of admission, exam results, academic performance, performance by various units/committees etc

### NEP implementation

NEP was implemented in Karnataka in 2021. The spirit of NEP is to support a holistic or multidimensional approach to learning, and enable students to learn courses of interest in addition to their courses of choice. Two disciplines or subjects called ‘major’ are required to be chosen by students, which give them deep disciplinary knowledge through theory and practical experiences. Students are allowed to choose their elective subject from commerce and arts according to their area of interest. In addition, Ability enhancement courses of NEP help students to acquire language skills, and knowledge about environment and Indian constitution. These courses enable students to develop a deeper sense of commitment to themselves, society and nation. Further, the institution has also adopted Skill Enhancement Courses (SEC) to impart the required computer skills, knowledge on cyber safety and security, artificial intelligence etc. to students.

To handle any NEP- relate issues university has appointed a teaching faculty member as NEP Nodal Officer, who serves as a link between the students, the institution and university.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

## 6.2 Strategy Development and Deployment

### 6.2.1

*The institutional perspective plan is effectively deployed and functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment, service rules, and procedures, etc*

#### Response:

Sahyadri Science College is one of the oldest Higher Education Institutions in the State of Karnataka and it is a constituent college of Kuvempu University. The college has specific policies for the development of our Institutions to match the changing requirements of stakeholders. We are bound to adopt student centric approach to realize programme outcomes and programmes specific outcomes in real spirit.

At the apex level, our college is subject to control and regulation of Kuvempu University, UGC

guidelines and State Government Policies This is with reference to formulation of development strategy, appointment of faculty and administrative staff, promotion of research activity, admission of students to various programmes, skill development activity, conduct of examination and Internal Assessment etc.

For administrative regulation there are two statutory bodies in the University. They are,

### **1. Academic council and**

### **2. Syndicate.**

These two bodies formulate internal rules and regulations for governing the constituent colleges, faculty members and administrative staff. All major decisions require the approval of either academic council or the Syndicate according as the situations demands. Issues such as appointment, placement, promotion etc. are forwarded to the syndicate for final ratification. However, the IQAC at University level will clear appraisal papers before they are forwarded to the syndicate. The faculty members shall be required to submit special proposals for approval and sanction to the syndicate through proper channel.

There are several administrative bodies to look after the needs of college as well as monitor its administrative mechanism and to direct the college for implementation of specific strategies and policies in college. They are: Statutory & non-Statutory bodies College development council, finance section, Academic Section, Examination wing etc.

For monitoring academic activities, the University constitutes Boards of Studies and Boards of Examiners. Many faculty members of our institution are serving as the chairman and members of these boards and they reflect the requirements of stakeholders of higher education during deliberation of these boards. They suggest modifications in syllabus to enable the students to acquire greater employability skills.

Our college, in turn, has constituted many bodies and Committees for effective functioning. The objective is to ensure participation and decentralization in the functioning of these bodies. The Head of the Institution moderates the activities of these bodies in proper perspective. The goal is to promote our Institution as a center of excellence.

Each teaching department is managed and officiated by the Head of the department assisted by the other faculty members. The administrative staff takes care of laboratory, Library and Sports procurement every year. The college is expected to submit its requirements through proper channel to these divisions for approval.

The College has a Staff Council consisting of principal and all the Heads of Departments. The Staff Council along with IQAC, meets regularly to discuss the steps to be taken for the effective functioning of the College. The Student Welfare Officer works as the link officer between students and the principal. There are a number of units/cells meant for co-curricular and extra-curricular activities of the students.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Institutional perspective Plan and deployment documents on the website	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

### 6.2.2

#### *Institution implements e-governance in its operations*

1. Administration
2. Finance and Accounts
3. Student Admission and Support
4. Examination

**Response:** A. All of the above

File Description	Document
Screen shots of user interfaces of each module reflecting the name of the HEI	<a href="#">View Document</a>
Institutional expenditure statements for the budget heads of e-governance implementation ERP Document	<a href="#">View Document</a>
Annual e-governance report approved by the Governing Council/ Board of Management/ Syndicate Policy document on e-governance	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## 6.3 Faculty Empowerment Strategies

### 6.3.1

**The institution has performance appraisal system, effective welfare measures for teaching and non-teaching staff and avenues for career development/progression**

**Response:**

Appraisal of teachers performance is done every year as a requirement of administrative and academic procedure of University. Each teaching and non-teaching staff have to submit annually their self-appraisal reports in the prescribed format to the principal along with declaration of assets and liabilities. Their performance is verified by reporting authority, i.e. Principal and reviewing authority i.e. Registrar

(Administration) and accepting authority i.e. syndicate of the University. Self-appraisal reports form one of the bench marks for promotion of teachers to higher grades.

### **Welfare measures for teaching and non-teaching staff**

Our institution has effective welfare measures for both teaching and non-teaching staff, which reflects on the output and selfless contribution towards robust growth of any institution. Existing welfare measure for teaching and non-teaching staff are listed below:

#### **Insurance and Financial Assistance:**

- Medical claim policy is provided for every Staff with family coverage.
- Festival Advances facility is provided for all major festivals.
- Old and new pension schemes are provided for employee as applicable.
- Sponsorships are provided for both Teaching and Non-Teaching staff to attend various workshops/ FDP/ Seminars/ Conferences and expenses are borne by the University.
- GIS as per rule and Group Insurance.
- LTC Facility

#### **Leave Facilities:**

Staff is eligible for vacation leave with permission from the university in addition to casual leave (CL) for 15 days, restricted leaves (RH), Special casual Leave (SPCL) commuted leave, earned leave (EL) and Medical, Maternity and Paternity leaves as per KCSR provisions.

**College Housing Cooperative Society:** College has a registered Sahyadri College Housing Cooperative Society, which is composed of Teaching and Non teaching members.

#### **Professional growth Assistance:**

Research facilities are available for faculties pursuing their Ph.D, fee concession are provided for children of the staff studying in the college. Staffs are encouraged and facilitated by providing OODs to attend refresher courses / orientation programme/ workshops/ seminars.

#### **Internet Facilities and Skill development:**

Free Internet and Wi-Fi facilities are also available in campus for staff and students. Skill development courses are organized for non- teaching staff to enhance their skills in work environment.

#### **Women safety and empowerment measure:**

All staff members are treated on parity with each other in obtaining benefits from the institution. Women Empowerment Cell is established for creating and ensuring safe working environment in the campus to women members supporting their progress. Lady staff members can make use of provisions available in the Ladies Hostel. In case of necessity, Guest rooms are available for a short period.

#### **Motivation and productivity measures:**

Motivation and counselling is also available for staff members to create a healthy working environment. Teachers Day, marriage gifts and fun filled activities are organized for teaching and non-teaching staff. Every month, the employee gets salary on time from the university through bank accounts.

As Institution has a multicultural environment in the campus, college ensures the celebration of all the festivals together. Mask, Gloves, Face Shield, Food Kits were distributed to economically weaker section college staff in the college during pandemic. Overall, the Institution strives hard to keep our staff happy and healthy.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

### 6.3.2

**Percentage of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the last five years**

**Response:** 0.15

**6.3.2.1 Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies year wise during the last five years**

2023-24	2022-23	2021-22	2020-21	2019-20
00	01	00	00	00

File Description	Document
Institutional data in the prescribed format	<a href="#">View Document</a>
Copy of letter/s indicating financial assistance to teachers and list of teachers receiving financial support year-wise under each head.	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

### 6.3.3

***Percentage of teaching and non-teaching staff participating in Faculty development Programmes (FDP), Management Development Programmes (MDPs) professional development /administrative training programs during the last five years***

**Response: 3.3****6.3.3.1 Total number of teaching and non-teaching staff participating in Faculty development Programmes (FDP), Management Development Programmes (MDPs) professional development /administrative training programs during the last five years**

2023-24	2022-23	2021-22	2020-21	2019-20
5	1	2	8	6

**6.3.3.2 Number of non-teaching staff year wise during the last five years**

2023-24	2022-23	2021-22	2020-21	2019-20
00	00	00	00	00

File Description	Document
Refresher course/Faculty Orientation or other programmes as per UGC/AICTE stipulated periods, as participated by teachers year-wise.	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>
Copy of the certificates of the program attended by teachers.	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

**6.4 Financial Management and Resource Mobilization****6.4.1**

**Institution has strategies for mobilization and optimal utilization of resources and funds from various sources (government/ nongovernment organizations) and it conducts financial audits regularly (internal and external)**

**Response:**

Sahyadri Science College, Shivamogga is being run with the university grants. The institute has a well-defined financial policy to ensure effective and optimal utilization of finances for academic, administrative, and developmental activities which help to implement the institute's vision and mission.

**Mobilization of Funds:**

The resources of funds are tuition fee collections from the students during admission and Grants from UGC/ RUSA/ Govt. of Karnataka. The financial planning is prepared well in advance for the organization with efficient Budgeting (by the office) that involves all Academic, Administrative, maintenance and other expenses of the institute. The budget is prepared every year which involves projected revenue and general expenditure and capital expenditure so that we can manage the grants effectively and plan well in advance. The same will be presented for the approval from the university finance section. The budget is prepared by considering the requirements submitted by each department and also include the budget needed to conduct co-curricular and extracurricular activities. After reviewing the budget by the principal, the final consolidated budget is forwarded to the university for approval.

The centrally convenient location of the institute has drawn several agencies to seek the infrastructure for conduct of various competitive, professional and entrance examinations. Financial needs are also met through the grants received from the UGC towards salary of the aided staff (For major research project), Minor Research Projects, sponsored Seminars and conferences and assistance from the affiliated University for specific programmes.

### **Optimal utilization of resources:**

We have the following institute level committees for the mobilization of funds and the optimal utilization of resources:

- IQAC
- Admission Committee
- College council committee
- Vijnana parishat
- Jnana Tunga
- Prathibha puraskara
- Sports Committee
- Library Committee
- Pathways Committee

The above committee through deliberations plan and finalize the financial assistance required for various activities/events of the college and then proposals requesting for the release of funds is made through office procedures. Then the university after scrutiny releases the funds.

### **Audit:**

University Budling construction/ Purchase committee ensures that the funds are monitored and utilized in an effective manner.

Every construction/purchase is made through proper tender notification or through university contracts. The university audit section regularly audits all such expenditures by Chartered Accountants (both Internal and external). Periodically state government and central audit officers verify the bills, accounts and procedures.

External audit is conducted by Government of Karnataka. The auditor ensures the payments are duly authorized after the audit. Any queries in the process of audit would be attended immediately along with



supporting documents. After verifying all books and accounts auditor prepares and submit the audit report to the college authorities. These mechanisms exhibit the transparency being maintained in financial matters and adherence to financial discipline.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

## 6.5 Internal Quality Assurance System

### 6.5.1

**Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes. It reviews teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals and records the incremental improvement in various activities**

#### Response:

The institute has an Internal Quality Assurance Cell (IQAC) which is driven by a competent team constituting Principal, Senior Professors, Alumni, Industry Experts, and also students. IQAC of the Institute makes concerted efforts in promoting academic excellence. Also, it strives towards quality enhancement through the internalization of quality culture and institutionalization of best practices. The IQAC coordinator is in constant consultation with the principal, head of the departments, senior faculty members, unit/cell coordinators, class teachers, office superintendents and student representatives to implement the various functions of IQAC. It arranges regular meeting to achieve its outcomes. The IQAC is involved in the following functions:

- Ensuring the adherence to the dates mentioned in the academic calendar for conducting various activities by each department/Units.
- IQAC organizes workshops to enable teachers to intersperse technology in curriculum to make the classroom pedagogy more relevant and interesting for students.
- To improve teachers' quality, the IQAC has been motivating the teachers to attend seminars, conferences, NET/SLET workshops, Orientation, Refresher and Short-term courses and Syllabus Revision Workshops.
- IQAC take initiatives to promote research activities in the college. It provides the latest information about the quality journals of Scopus and UGC Care list and encouraging them to publish.

The IQAC with the assistance of different departments and/or

- Independently organizes seminars and Workshops on varied and relevant topics and also specifically related to faculty development and usage of ICT and e-resources.

- The IQAC strives to develop an environment conducive to teaching, learning and research.
- It periodically reviews syllabus coverage, student classroom attendance, examination and evaluation process and result analysis at the end of each semester.
- Feedback Mechanism is prepared for conducting student feedback on teaching learning, Curriculum, alumni, parent, employer feedback. It collects feedbacks and analyses them at regular intervals.
- IQAC takes care of the needs of the administrative staff to improve their work atmosphere, both at the professional and emotional fronts.
- IQAC monitors the submission of the yearly academic audit reports, and timely auditing of various grants received from university and, other state and central funding agencies.
- It ensures timely submission of annual reports/documents from various departments, office and units/cells of the college and in turn the submission of annual reports to university and AQAR to NAAC.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

### 6.5.2

**Quality assurance initiatives of the institution include:**

- 1.Regular meeting of Internal Quality Assurance Cell (IQAC); quality improvement initiatives identified and implemented**
- 2.Academic and Administrative Audit (AAA) and follow-up action taken**
- 3.Collaborative quality initiatives with other institution(s)**
- 4.Participation in NIRF and other recognized rankings**
- 5.Any other quality audit/accreditation recognized by state, national or international agencies such as NAAC, NBA etc.**

**Response:** B. Any 3 of the above

<b>File Description</b>	<b>Document</b>
Quality audit reports/certificate as applicable and valid for the assessment period.	<a href="#">View Document</a>
NIRF report, AAA report and details on follow up actions	<a href="#">View Document</a>
List of Collaborative quality initiatives with other institution(s) along with brochures and geo-tagged photos with caption and date.	<a href="#">View Document</a>
Link to Minute of IQAC meetings, hosted on HEI website	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## Criterion 7 - Institutional Values and Best Practices

### 7.1 Institutional Values and Social Responsibilities

#### 7.1.1

**Institution has initiated the Gender Audit and measures for the promotion of gender equity during the last five years.**

*Describe the gender equity & sensitization in curricular and co-curricular activities, facilities for women on campus etc., within 500 words*

#### **Response:**

It is our firm belief that creating space for equality and ruling out discrimination against caste, creed, and gender is very important in providing a safe, constructive, conducive learning environment to all. Being a co-education college (since its inception in 1940) a variety of proactive measures have been put in place to ensure gender equity and sensitivity in the campus. These initiatives are:

- The admission process is made purely on the basis of merit-cum-roaster or first-cum-first basis thus making it non-gender specific.
- Similarly, during selection of students to various co and extra-curricular activities like sports and cultural activities, NCC, NSS, red-cross, rovers and rangers etc., interest of students, irrespective of their gender, is the only criteria for selection.
- All admitted students are provided with identity cards and are directed to follow a pre-decided dress code – different for boys and girls, programme and year of study.
- The Institution has separate well facilitated Ladies and Boys Hostel nearby the college campus. A senior faculty is made as warden to effectively monitor the overall functioning of the hostels. Also, the college campus has adequate no. of washrooms for both boys and girls.
- The College campus, under CCTV surveillance, ensures safety of students and staff.
- One Ladies restroom is available with basic amenities and first-aid facilities.
- The college has constituted the following cells with an objective of maintaining a fair and free environment in the campus: Women's Empowerment Cell, Anti-Sexual Harassment Cell, Anti-ragging cells, Gender Sensitization Cell, SC/ST cell and Discipline committee which work in cohesion to monitor the well-being of students and staff. The functioning of each cell is managed by a respective committee constituted by few faculty members, student representatives, coordinator (Senior lady faculty for gender specific cells) and college principal. Students can make their complaints directly to the respective coordinators or put their complaints in the suggestion box placed near principal chamber.
- Class-wise mentor-mentee system is implemented across all programmes to effectively monitor the overall progress of students, class room environment and any ragging/harassment issues. The mentors are informed to regularly interact with students and provide timely help.
- During field visits, study tours and camps, the girl students are accompanied by lady staff.
- The college has a dedicated women wing (called Rangers) of Scouts and Guides.

The curriculum of language subjects, in particular, has chapters related to Gender equity promotion, empowerment, about women achievers, freedom fighters, thinkers, etc. Women personalities

are also given importance on par with great men luminaries. Several resource talks have been arranged to promote gender sensitization among students and teachers.

The college regularly conduct gender audit to assess the the relative number of female students as against male students. This information is vital for taking necessary steps for their good performance, safety and security.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

### 7.1.2

**The Institution has facilities and initiatives for**

- 1. Alternate sources of energy and energy conservation measures**
- 2. Management of the various types of degradable and nondegradable waste**
- 3. Water conservation**
- 4. Green campus initiatives**
- 5. Disabled-friendly, barrier free environment**

**Response:** A. 4 or All of the above

File Description	Document
Policy document on the green campus/plastic free campus.	<a href="#">View Document</a>
Geo-tagged photographs/videos of the facilities.	<a href="#">View Document</a>
Circulars and report of activities for the implementation of the initiatives document	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

### 7.1.3

**Quality audits on environment and energy regularly undertaken by the Institution. The institutional environment and energy initiatives are confirmed through the following**

- 1. Green audit / Environment audit**
- 2. Energy audit**
- 3. Clean and green campus initiatives**
- 4. Beyond the campus environmental promotion activities**

**Response:** A. All of the above

<b>File Description</b>	<b>Document</b>
Report on Environmental Promotional activities conducted beyond the campus with geo tagged photographs with caption and date	<a href="#">View Document</a>
Policy document on environment and energy usage Certificate from the auditing agency	<a href="#">View Document</a>
Green audit/environmental audit report from recognized bodies	<a href="#">View Document</a>
Certificates of the awards received from recognized agency (if any).	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

#### 7.1.4

**Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and Sensitization of students and employees to the constitutional obligations: values, rights, duties and responsibilities of citizens (Within 500 words)**

**Response:**

**Institutional efforts/initiatives in providing an inclusive environment:**

The college tries to provide an environment promoting tolerance and harmony towards cultural, regional, linguistic, communal, socio-economic and other diversities. Some of the activities towards this end are as follows:

- The **Code of Conduct** is uploaded on the institutional website. All students as well as other stake holders irrespective of their diversities need to follow it.
- An **Orientation program** is organized at the beginning of the academic year to familiarize the new entrants with an overview of college activities, units, committees, disciplinary aspects etc. and promote sense of unity among students. Senior teachers address the students to sensitize them towards tolerance, harmony and inclusiveness.
- **Cultural activities** are organized in the institution to promote tolerance and harmony towards each other.

**Socio-Economic:**

Under Sahyadri Vigjnana Parishat college organizes a variety of programmes such as cultural fest, invited talks by well-known luminaries, etc. aimed at promoting social harmony and integration. NCC Camps, NSS Camps, Rovers and Rangers Camps are held in nearby remote villages where the socio-

economic conditions of the villagers are also studied and services are provided.

### **Communal Harmony:**

Communal harmony is living together of all the communities with a sense of brotherhood and equality. The college has adopted a dress-code system for students to prevent socio-economic discrimination. The college organizes “ethnic day” on which students are allowed to wear different traditional attires as a symbol of cultural and communal harmony. Every year Gandhi Jayanti and Ambedkar Jayanti is celebrated to recall the importance of united struggle against external oppression and constitutional values.

### **Linguistic:**

Departments like English, Kannada, Hindi and Sanskrit organize activities to promote linguistic skills among students and enhance their interest. All the linguistic departments of the college arrange a number of programs like Workshops, Seminars, and Fests etc. to enhance the language knowledge of the students.

### **Cultural:**

Different sports and cultural activities organized inside the college to promote harmony towards each other. Commemorative days like women’s day, yoga days along with many regional festivals are celebrated in the college. This establishes positive interactions among the people of different racial and cultural backgrounds.

### **Sensitization of students and employees to the constitutional obligation**

Sensitization of students and employees of the Institution to the constitutional obligations is done through curriculum as well as through extra-curricular activities. All students take a course on *Environment studies* in their first semester and *Indian Constitution* in the second semester which gives them insight into environment acts, wildlife protection act, forest act, global environmental concerns, and constitutional rights, values and duties. Also, every year ex-defense or police personnel are invited to share their experience and inspire and motivate young minds to contribute in building the nation.

NSS unit of the institution conducts a cleanliness drive to mark the occasion of Swachh Bharat Abhiyan in the college campus as well as in the nearby village area. Many skits are presented in various topics such as corruption, responsibility of young, Child labor, social media abuse, Favoritism, Mental Health etc.

<b>File Description</b>	<b>Document</b>
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

## **7.2 Best Practices**

## 7.2.1

**Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual**

**Response:**

### 7.2.1. Best Practice

#### 1. Title of the Practice

#### **PATHWAYS TRAINING AND PLACEMENT CELL**

#### 2. Objective of the Practice

The objective is to identify academically distinguished students from socially and economically marginalized sections of the society and help them access highest education through financial and academic assistance. The selected students are given computer and communication skill training, career planning sessions, social surveys projects, etc. and enriched through various theme-based talks by academics and professional experts.

#### 3. The Context

A long-felt need was to provide a systematic training programme for meritorious students coming from lower stratas for society, realized through setting up of “Pathways Training and Placement Cell” in the year 2000. **The college is one among the twenty privileged colleges in India to have a Pathways unit** sponsored by US based Ford Foundation, which also provided the required interior facilitates in the year 2002-2003. The University supports the training activity with dedicated budgetary provision.

#### 4. The Practice

First-year degree students are given admission to Pathways on the basis of their class 12th marks and performance in the entrance test conducted. 45 students are selected every year from arts, commerce, and science streams. The training activities are carried out during the free hours of students’ classes and they take part in daily club activities covering aptitude and reasoning, science and technology, language and culture, book review, current affairs and GK, history, polity and geography, cinema, culture, media etc., and also undergo special workshops during the mid-term and summer vacations. Further, student assignments, field visits and community outreach activities, documentary making are conducted. It organizes coaching classes to competitive exams of UPSC, banks, railways, police services, etc. The classes are free of cost. Pathways handpicks good resource persons from different walks of life like academics, Science and technology, spiritualism, art and culture etc.

The unit independently or in association with college placement cell periodically organizes campus interviews to help job aspirants. The unit also arranges for frequent alumni meets in off-line/on-line modes to provide the required motivation and guidance for the younger student batch.

Even today, the success of Shimoga railway project of linking railway line between Shimoga and Harihara, done by senior Pathways students, is cherished as an accomplishment motivating young minds



to take up meaningful projects of far-reaching consequences.

## **5. Evidence of Success**

Pathways unit has been a great success as evidenced by student accomplishments and rich family of distinguished alumni. Over the past couple of years, a significant number of students have been placed in campus placements. Many of them are pursuing their research programmes in some of the best institutions of India and abroad, and few of some are even employed in these institutes. The alumni of Pathways are proudly serving in different fields and have occupied some coveted positions both at national and international levels.

## **6. Problems Encountered and Resources Required**

- It is difficult to schedule the timings of its classes to suit with that of regular classes.
- The poor English competency of students over.
- Poverty of a number of Students hinder their class attendance pay for the registration fees of job meals.
- The constraints in its lab and infrastructure facilitiesT have limited the intake of students to pathways unit.

### **7.2.1. Best Practice**

#### **1. Title of the Practice**

#### **SAHYADRI VIJNANA PARISHAT ACTIVITIES**

#### **2. Objective of the Practice**

Sahyadri Vijnana Parishat is a multipurpose student forum envisaged to promote additional curricular learning, and identify and nurture cultural/sports talents among the students. The Sahyadri Vijnana Parishath is effectively the student council of the college. Several cultural competitions are held in the college under this banner and the prizes are awarded to the talents.

#### **3. The Context**

Sahyadri Vijnana Parishath is a forum formed To supplement the class room learning, several methods have been adopted by the college to provide an environment of the out-of-the class room learning. The required funding for the activities of the parishath comes from student fees collected at the time of their admission. The students of varied interest are identified and training is given to them by bringing in the experts in the related art forms, whenever accessible. The university sanctions the funds on receiving the proposals from the college.

#### **4. The Practice**

The constitution of the parishath includes: the principal as president, a senior faculty member as staff secretary, a student as vice president, secretary and joint secretary and all class representatives as members. Then, student election is conducted to elect class representatives, who in turn elect a vice-President, Secretary, and Joint Secretary. The parishath is inaugurated formally by an eminent

personality, followed with cultural activities by students. Throughout the year, students are provided with opportunities to show their talents. At the end of the academic year, cultural and co-curricular fest/competitions are held for students, the winners of which are felicitated in the valedictory function of the Vijnana parishath. The forum organizes Prathibha puraskara event, where in, University/College examination Rank holders and Subject toppers are felicitated by cash awards and rank/appreciation certificates sponsored by present and ex-faculty members of the college.

### 5. Evidence of Success

The success of the forum is reflected in the fact that our college students have participated every year in “Sahyadri Utsav” a cultural event organised by the Kuvempu University and have won prizes frequently. Also, a number of students have participated in culture events, quizzes and debates organised by other colleges and have won many prizes. “SANIHA” is another unique **and very popular inter-collegiate cultural fest** organised by the college every year which brings the students of various colleges to participate in different cultural events and exhibit their talents. The programme is entirely managed by the student volunteers and office bearers of Sahyadri Vijnana Parishat.

### 6. Problems Encountered and Resources Required

- Better facilities in terms of performance stages, audio-video and recording systems and specialized training are required for students to enhance their performance.
- Funds required for organizing the programmes are often insufficient and many a times released at last moment from the university, which affects the smooth and effective organization of these programmes.

File Description	Document
Best practices as hosted on the Institutional website	<a href="#">View Document</a>
Any other relevant information	<a href="#">View Document</a>

## 7.3 Institutional Distinctiveness

### 7.3.1

**Portray the performance of the Institution in one area distinctive to its priority and thrust within 1000 words**

#### Response:

Sahyadri Science College is one of the leading educational Institutes in the Malnad region of Karnataka. It is a constituent College of Kuvempu University. Ever since its establishment (1940), the College has seen a steady growth in student strength as well as quality. Students of this institute have reached great positions in the country and abroad.

Making spectacular growth over the years, now its intake is 2000 students for UG and 160 students for PG programmes, and many research scholars are pursuing their PhDs under several university approved research guides of the college. The college offers 2 UG programmes (B.Sc. with **18** subject options and B.C.A) and **4** PG programmes, thus ensuring academic flexibility and diversity. The college has one Boys hostel and one Girls hostel that provides good accommodation and food to more than 800 students at quite reasonable cost.

The distinctive feature of the college is the thrust it gives to ensure **holistic development** of students empowering them intellectually, socially, physically and emotionally as detailed below.

**Intellectual development:** The institute implements university curriculum through well planned and effective teaching-learning activities blended with latest pedagogy approaches. Throughout their educational program, mentors & teachers provide the required exposure to students to make them work-ready. The practical training given and projects works assigned to students are in tune with professional requirements, which will be helpful in seeking job in laboratories, firms and companies etc. immediately after their graduation.

***Our college is uniquely positioned among other colleges in the region because of its intense research activities.*** More than 80% of the regular faculty members are involved in intense research activities by means of research guidance for Ph.D programmes and student.

project works, undertaken several major and minor research projects from funding agencies like UGC, DST, VGST etc. Most of the faculty have published substantial no. of research articles in peer review national and international journals and conference proceedings and are also on the editorial boards of national and international journals. In addition to this, college ensures periodical organization of research updating mechanism through seminar/workshop/conference etc.

The college is dedicated to facilitate researchers with the necessary infrastructural needs. The college houses advanced instruments such as UV spectrophotometer, Trinocular microscope, high accuracy digital balance, Gel-doc, double distillation unit, High temperature Furnace (900K), Infra-red spectrometer, Scintillation detector, probe sonicator etc. Each department has been provided computers with broad band internet connectivity and other accessories. The college has a spacious Library with a very good collection of books, periodicals and journals. Several researchers are supported with fellowships sanctioned by university and other government agencies. Needy women researchers are provided with accommodation in the college ladies hostel.

**Social development:** The social skills are nurtured through activities conducted by the various units of the college. The students are exposed to diverse social structure and their issues, particularly in the neighbouring areas, through the National Service Scheme (NSS) implemented in the Institute. They imbibe discipline and patriotism through the participation in **NCC and Rovers and Rangers wings of the college**. Under Youth Red-cross units, a variety of social service activities are carried out including frequent blood donation camps.

Sahyadri Science College is one of the twenty privileged colleges in India to be a participant in the Ford Foundation sponsored global project called '**Pathways**'. This project aims to identify students who are excellent in academics but from the lower strata of society, and to help them access higher education, be it financially or academically. The pathways unit also facilitates the students by providing HRD training in personality development and also in providing placement opportunities. Specifically, the college

trains selected students every year and help them carve beautiful careers through guidance, workshops and various other activities such as computer skills, communication skills, career planning, undertaking social surveys, etc.

**Sahyadri Vijnana Parishath** is another important forum of the college that provides a platform for students to exhibit their talents. The forum comprises mainly the elected student representatives, office bearers, vice-president and principal as president. Throughout the year, the unit organizes series of programmes related to student enrichment on curricular and co-curricular activities. In each programme eminent personalities are invited to motivate our students. To further support young talents 'SANIHA', a unique and very popular inter collegiate fest, is organized by the college every year which brings the students of various colleges to participate in different cultural events and exhibit their talents. Our college students participate every year in **Sahyadri Utsava** a cultural event organized by the Kuvempu university for the students of the colleges coming under the jurisdiction of Kuvempu University.

**Physical development:** The institute promotes **physical activities** among the students to cultivate many important skills such as physical fitness, team spirit, confidence, decision making, mental strength, etc. of the students. Each year, the institute organizes annual sports events for the students comprising of various sports such as cricket, volleyball, throw ball, kabaddi, chess, carom, etc. In these sports both boys as well girls participate and show their skills – their sportsman spirit and team-building abilities grow. The institute celebrates international Yoga Day each year. During the camps held at various village adopted by the institute through NSS, various physical activities like Yoga, exercises, outdoor sports etc are conducted.

**Emotional development: Emotional health** of the students is given apt attention at the institute. The mentor-mentee system is in place that ensures the students' regular contact. During these meetings, students can discuss their academics as well as personal problems with the faculty. Appropriate counselling is provided by the mentor-faculty to the students. There are special female mentors at the institute for a group of 15-20 girl-students who meet the girl-students regularly, understand their difficulties, if any, and guide them about probable solutions.

Due to such a **Holistic Development approach**, Sahyadri Science College graduates are found to work relentlessly taking their responsibilities on passing out and are proved to be **intellectually competent, morally upright, spiritually inspired and socially committed** – They leave footprints of their own, wherever they go.

File Description	Document
Appropriate web in the Institutional website	<a href="#">View Document</a>
Any other relevant information	<a href="#">View Document</a>

## 5. CONCLUSION

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### Additional Information :

Sahyadri Science College is one of the premier educational institutes in the Malnad area of South Karnataka and prestigious one too. The College was established in the year 1940 as an intermediate College by the erstwhile Mysore Government during the rule of His highness King Jayachamarajendra Wodeyar of Mysore. The College was upgraded to the First grade College level in the year 1956 and named as Government First Grade College. Influenced by the scenic landscape couched in the Sahyadri Hills, Dr. K.V. Puttappa (Kuvempu) the first recipient of Jnana Peeta award and then Vice Chancellor of Mysore University urged the Government to rename the College as Sahyadri College. Ever since its establishment, the College has seen a steady growth in strength as well as quality.

The students of this institute have reached great positions in the country and abroad. Some of the luminary students of the college include **Prof. U.R. Ananthamurthy** Jnanapeetha Awardee; **K.P. Poornachadra Tejaswi**; Smt. **B.K. Sumithra**; Sri **Girish Kasaravalli**; Sri Shimoga Subbanna; Late **K.V. Subbanna** – Magsaysay Awardee; Prof. **C.N.R Rao**, Eminent Scientist & Former Director, IISc; **Dr. K.A. Ashok Pai**; **Dr. B. N. Suresh** Padmashree Awardee; **Justice Rama Jois Justice**; **Dr. H.M.Nayak**; **Dr. C.P Krishnakumar**; **Sri Panduranga Udupa**; **Dr. Srikanta Kudige**; **Sri Shantaveri Gopalagowda**; **Sri K.H. Shrinivas**; **Sri Begane Ramaiah**; **Sri K.G. Shivappa**; **Sri D.H. Shankara Murthy** Former Chairman, Legislative Council, Govt of Karnataka and MLC; **H.G. Govindgowda**, Ex. Minister for Primary Education, Govt. of Karnataka.

### Concluding Remarks :

Sahyadri Science College has completed more than two decades after the first reaccreditation; it has been trying to establish its identity in this area as a premier institute of science education. In recent years, the college has shown tremendous development in imparting quality higher education and is committed to play the role of a center of excellence in teaching and promoting research in basic and applied sciences. Now the institution is seeking to be reaccredited for the fourth time. The assessment and accreditation will help itself to improve, set new goals and reach new horizons. With that belief and hope for achieving excellence, this institution is submitting the Self-Study report (SSR) seeking accreditation for the fourth time.

## 6.ANNEXURE

### 1.Metrics Level Deviations

Metric ID	Sub Questions and Answers before and after DVV Verification																																								
1.3.2	<p><b>Percentage of students undertaking project work/field work/ internships (Data for the latest completed academic year)</b></p> <p><b>1.3.2.1. Number of students undertaking project work/field work / internships</b>            Answer before DVV Verification : 855            Answer after DVV Verification: 834</p> <p>Remark : DVV has excluded the repetitive students.</p>																																								
1.4.1	<p><b><i>Institution obtains feedback on the academic performance and ambience of the institution from various stakeholders, such as Students, Teachers, Employers, Alumni etc. and action taken report on the feedback is made available on institutional website</i></b></p> <p>Answer before DVV Verification : A. Feedback collected, analysed, action taken&amp; communicated to the relevant bodies and feedback hosted on the institutional website            Answer After DVV Verification: C. Feedback collected and analysed            Remark : DVV has considered the given input as per the supporting documents provided by HEI.</p>																																								
2.1.2	<p><b><i>Percentage of seats filled against reserved categories (SC, ST, OBC etc.) as per applicable reservation policy for the first year admission during the last five years</i></b></p> <p><b>2.1.2.1. Number of actual students admitted from the reserved categories year wise during last five years (Exclusive of supernumerary seats)</b>            Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2023-24</th> <th>2022-23</th> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> </tr> </thead> <tbody> <tr> <td>676</td> <td>421</td> <td>1030</td> <td>574</td> <td>942</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1"> <thead> <tr> <th>2023-24</th> <th>2022-23</th> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> </tr> </thead> <tbody> <tr> <td>676</td> <td>521</td> <td>1030</td> <td>574</td> <td>942</td> </tr> </tbody> </table> <p><b>2.1.2.2. Number of seats earmarked for reserved category as per GOI/ State Govt rule year wise during the last five years</b>            Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2023-24</th> <th>2022-23</th> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> </tr> </thead> <tbody> <tr> <td>676</td> <td>421</td> <td>1030</td> <td>574</td> <td>942</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1"> <thead> <tr> <th>2023-24</th> <th>2022-23</th> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> </tr> </thead> <tbody> <tr> <td>676</td> <td>521</td> <td>1030</td> <td>574</td> <td>942</td> </tr> </tbody> </table>	2023-24	2022-23	2021-22	2020-21	2019-20	676	421	1030	574	942	2023-24	2022-23	2021-22	2020-21	2019-20	676	521	1030	574	942	2023-24	2022-23	2021-22	2020-21	2019-20	676	421	1030	574	942	2023-24	2022-23	2021-22	2020-21	2019-20	676	521	1030	574	942
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Remark : DVV has made changes as per the supporting document provided by HEI.

**3.3.1 Number of research papers published per teacher in the Journals notified on UGC care list during the last five years**

**3.3.1.1. Number of research papers in the Journals notified on UGC CARE list year wise during the last five years**

Answer before DVV Verification:

2023-24	2022-23	2021-22	2020-21	2019-20
64	48	70	50	39

Answer After DVV Verification :

2023-24	2022-23	2021-22	2020-21	2019-20
22	29	54	34	23

Remark : DVV has considered the research papers published notified on UGC CARE List as per the calendar year Jan-Dec 2019-2023.

**3.3.2 Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years**

**3.3.2.1. Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during last five years**

Answer before DVV Verification:

2023-24	2022-23	2021-22	2020-21	2019-20
2	28	15	8	5

Answer After DVV Verification :

2023-24	2022-23	2021-22	2020-21	2019-20
2	27	14	9	5

Remark : DVV has considered the books and chapters published along with ISBN numbers as per the calendar year Jan-Dec 2019-2023.

**3.4.3 Number of extension and outreach programs conducted by the institution through organized forums including NSS/NCC with involvement of community during the last five years.**

**3.4.3.1. Number of extension and outreach Programs conducted in collaboration with industry, community, and Non- Government Organizations through NSS/ NCC etc., year wise during the last five years**

Answer before DVV Verification:

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2023-24	2022-23	2021-22	2020-21	2019-20
14	13	9	8	6

Answer After DVV Verification :

2023-24	2022-23	2021-22	2020-21	2019-20
13	10	5	6	5

Remark : DVV has excluded the celebration days and only considered the programs which are benefit for the society

3.5.1 ***Number of functional MoUs/linkages with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research during the last five years.***

Answer before DVV Verification :

Answer After DVV Verification :7

Remark : DVV has only considered the active MOUs.

4.1.2 ***Percentage of expenditure for infrastructure development and augmentation excluding salary during the last five years***

4.1.2.1. ***Expenditure for infrastructure development and augmentation, excluding salary year wise during last five years (INR in lakhs)***

Answer before DVV Verification:

2023-24	2022-23	2021-22	2020-21	2019-20
100.00	163.7469 0	82.44098	147.6570 4	372.5007 1

Answer After DVV Verification :

2023-24	2022-23	2021-22	2020-21	2019-20
100.00	152.10	65.0	147.6570 4	111.17

Remark : DVV has considered the expenditures comes under expenditure for infrastructure development and augmentation

5.1.2 ***Following capacity development and skills enhancement activities are organised for improving students' capability***

1. *Soft skills*
2. *Language and communication skills*
3. *Life skills (Yoga, physical fitness, health and hygiene)*
4. *ICT/computing skills*



Answer before DVV Verification : A. All of the above  
 Answer After DVV Verification: B. 3 of the above  
 Remark : DVV has considered the given input as per the supporting documents provided by HEI.

5.1.4 ***The institution adopts the following for redressal of student grievances including sexual harassment and ragging cases***

1. **Implementation of guidelines of statutory/regulatory bodies**
2. **Organisation wide awareness and undertakings on policies with zero tolerance**
3. **Mechanisms for submission of online/offline students' grievances**
4. **Timely redressal of the grievances through appropriate committees**

Answer before DVV Verification : A. All of the above  
 Answer After DVV Verification: B. 3 of the above  
 Remark : DVV has considered the given input as per the supporting documents provided by HEI.

5.3.1 **Number of awards/medals for outstanding performance in sports/ cultural activities at University / state/ national / international level (award for a team event should be counted as one) during the last five years**

5.3.1.1. ***Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one) year wise during the last five years***

Answer before DVV Verification:

2023-24	2022-23	2021-22	2020-21	2019-20
12	17	7	5	29

Answer After DVV Verification :

2023-24	2022-23	2021-22	2020-21	2019-20
1	13	5	2	27

Remark : DVV has considered awards/medals for outstanding performance in sports/cultural activities at national/international level.

5.3.2 **Average number of sports and cultural programs in which students of the Institution participated during last five years (organised by the institution/other institutions)**

5.3.2.1. **Number of sports and cultural programs in which students of the Institution participated year wise during last five years**

Answer before DVV Verification:

2023-24	2022-23	2021-22	2020-21	2019-20
37	40	7	8	65

Answer After DVV Verification :

2023-24	2022-23	2021-22	2020-21	2019-20
5	7	5	3	6

Remark : DVV has considered the sports and cultural programs conducted on relatively closer dates under one single event.

6.3.3 **Percentage of teaching and non-teaching staff participating in Faculty development Programmes (FDP), Management Development Programmes (MDPs) professional development /administrative training programs during the last five years**

6.3.3.1. **Total number of teaching and non-teaching staff participating in Faculty development Programmes (FDP), Management Development Programmes (MDPs) professional development /administrative training programs during the last five years**

Answer before DVV Verification:

2023-24	2022-23	2021-22	2020-21	2019-20
8	8	2	31	65

Answer After DVV Verification :

2023-24	2022-23	2021-22	2020-21	2019-20
5	1	2	8	6

6.3.3.2. **Number of non-teaching staff year wise during the last five years**

Answer before DVV Verification:

2023-24	2022-23	2021-22	2020-21	2019-20
00	00	00	00	00

Answer After DVV Verification :

2023-24	2022-23	2021-22	2020-21	2019-20
00	00	00	00	00

Remark : DVV has considered the teachers participated in FDPs having duration of minimum 5 days and more.

## 2.Extended Profile Deviations

ID	Extended Questions
1.1	<b>Number of teaching staff / full time teachers during the last five years (Without repeat count):</b> Answer before DVV Verification : 269 Answer after DVV Verification : 259
1.2	<b>Number of teaching staff / full time teachers year wise during the last five years</b>

Answer before DVV Verification:

2023-24	2022-23	2021-22	2020-21	2019-20
128	171	184	160	145

Answer After DVV Verification:

2023-24	2022-23	2021-22	2020-21	2019-20
117	159	140	122	129