

Shri Shivaji Education Society, Vidyanagar, Karad
Board for Higher Education, Vidyanagar, Karad's
**Yashwantrao Chavan College of Science,
Vidyanagar, Karad, Dist. Satara (MH), India-415 124**



Criterion VII

Institutional Values and Best Practices

Institutional Distinctiveness



Response

- Yashwantrao Chavan College of Science, Karad, is a sixty-five-year-old premier institution in education.
- Institute located in a rural hinterland,
- the campus area forty acres with green and spacious
- Institute has spacious classrooms and well-equipped laboratories.
- The institute offers twelve principle subjects, including a unique 'Pollution' subject and a specialized Bachelor in Computer Science-Entire program.
- Institute postgraduate programs include M.Sc. in five subjects and Ph.D. in four.
- The institute offers sixty-one short-term certificate courses,
- Institute has a large playground, hostels, a central library, a computer laboratory, and a botanical garden.
- The institute has highly qualified teachers actively involved in research.
- Institute offers various co-curricular and extracurricular activities to develop students' moral values, scientific temper, and skills.
- The institute has an ISO certification.



Institutional Distinctive Features

Yashwantrao Chavan, our founder, took the lead in bringing about the social and political changes that India required in the 20th century. He is a great freedom fighter. Thus, Institute renamed Yashwantrao Chavan College of Science, Karad after his sad demise. In his honor, the institute also holds number of events, including essay and elocution contests. The institute published a 'Yashwant' magazine every year in his honor.

The institutional major distinctiveness are,

1. Grass Surveys, Novelties and New Records

During last five years extensive and intensive survey and collection of grasses from different states of India have been done by department of botany. After critical studies and review of literature some interesting grasses were described as new species as well as some grasses found to be additional records for some states.

Following is the brief account of taxonomic research :-

A) New Species:

a) *Capillipedium yashwantraoi*

- During floristic exploration of under DST SERB Major Research Project, a new grass species '*Capillipedium yashwantraoi* Tarbej and Potdar' described from the Amarkantak, Anuppur district of Madhya Pradesh, India and published in **Phytotaxa**. Vol. 502, Issue 02, May 2021.
- The specific epithet '*yashwantraoi*' honors Hon. Late Yashwantrao Chavan for his significant contribution as first Chief Minister of Maharashtra and ex-Deputy Prime Minister of India.



b) *Chrysopogon shrirangii*

- During floristic exploration of under DST SERB Major Research Project, a new grass species '*Chrysopogon shrirangii* Tarbej, Pooja and Potdar' described from the Belgaum district of Karnataka, India and published in **Nordic Journal of Botany**. Vol. 38, Issue 07, July 2020.
- The specific epithet '*shrirangii*' honors Prof. Shrirang Ramchandra Yadav, Angiosperms Taxonomy Laboratory, Dept of Botany, Shivaji Univ., Kolhapur (MS), India, for his valuable contribution in the field of Angiosperm Taxonomy.

B) New Variety:

a) *Heteropogon ritchiei* var. *glabrum*

- During floristic exploration at Western Ghats of Maharashtra new grass variety *Heteropogon ritchiei* var. *glabrum* Potdar, Tarbej and M.Y.Kamble is collected and described from Kelghar ghat, Satara district of Maharashtra, Accepted for publication in **The Indian Forester**.
- The specific epithet '*glabrum*' is given to the new variety for its glabrous lower glume of pedicelled spikelet.

C) New Distributional Records:

- During last five years department has reported total of **nine new distributional records** of plant species from Maharashtra & Telangana.
- *Bothriochloa insculpta* & *Bothriochloa woodrovii* were reported as a new distributional record for Telangana state and *Bothriochloa ewartiana*, *Datura discolor*, *Capillipedium parviflorum*, *Eragrostis zeylanica*, *Saccharum griffithii*, *Bothriochloa ischaemum* & *Setaria barbata* were reported as a new distributional record for Maharashtra state.

D) Species Identifications

In the last five years, two hundred plant species have been identified at the primary level for other college student projects.

E) Plant Barcoding

Plants in the institute premises are tagged with unique QR codes. QR is helpful in keeping record as well as its general information. Scanned QR provides basic botanical information regarding plant species, its botanical name, common name, uses and taxonomy.

2. Y. B. Chavan Competitive Examination Guidance Centre :

The Y. B. Chavan Competitive Examination Guidance Centre was established in 2017 with the aim of training students to become studious, hardworking, and responsible officers in the government. The objective is to provide quality education and other facilities to candidates who want to serve people through state and central government services.

- Over the past seven years, 25 students at the academy have qualified for various positions through competitive examinations.
- The academy has a dedicated building with necessary infrastructure, including a library, ICT room, lecture hall, conference room, reading rooms, and essential amenities.
- The human resources team includes a coordinator, a peon, and students.

- The academy operates in a self-disciplined manner, with students taking charge of various activities.
- Senior students actively teach regular students and manage library activities and test series.
- The institute offers regular MPSC and UPSC coaching, crash courses, motivational lectures, interaction with alumni, and peer discussions.
- The institute provides a freeship of one month per year for needy students and waives fees for students qualifying for the MPSC/UPSC Main Examination.
- The institute grooms students' competitive examination mindset through debates, discussions, quizzes, and activities.
- Teachers serve as volunteer subject experts and prepare quality questions.

3. Fitness Zindabaad Club :

- The institute launched the Fitness Zindabaad club to promote physical fitness and health awareness.
- The club promotes participation in physical fitness-related events, including cycling, running, trekking, marathons, and sports, among members of the institute and society.
- The club plans the yoga day each year.
- Every stakeholder has participated in a variety of physical fitness-related activities throughout the past five years.
- Prof. (Dr.) A. V. Mali, Dr. A. T. Jadhav, and Shri. A. N. Bhingare, who work at the institute, take part in various events and win medals.

4. Sports :


- The institute has 8-lane 400-meter athletics track, our large playground area features a football field, a cricket pitch, handball and hockey fields, and volleyball courts, kabbadi, kho kho, and softball squares, long jump, etc. There is equipment available for all of these games and sports.
- Number of our students excel in a variety of sports at the district, zonal university, state, and all India levels each year.

5. Science Seminar

- Science is a dynamic field of knowledge that keeps changing at a rapid pace.
- It is not always possible to include all new developments in the regular curriculum of study in academic institutions. But at the same time, students need to be given as much up to date knowledge of these latest developments as possible.
- With this view that this activity was initiated in our institution.
- Every department of the institute undertakes this activity every year by organizing popular lectures.


Co-ordinator,
 Internal Quality Assurance Cell (IQAC),
 Yashwantrao Chavan College
 of Science, Karad




Principal
 Yashwantrao Chavan College of Science, Karad