

7.3.1 Institutional Distinctiveness

India today has almost 60% of its population below the age of 35 which means there is a large number of youths in the country. This demographic advantage can be had for the development of the nation provided they are educated and empowered. Keeping this in mind our college has its own vision and mission statements:

Vision: “Be a centre for excellence in science education to Build strong future generations for a vibrant and self-reliant nation “.

Mission: “To commit ourselves to achieve our vision through relentless pursuit of knowledge, ensuring creativity and critical thinking, fostering human values and patriotic fervour”.

Our college has a large number of students coming from the surrounding villages. The number of girl students is more in number. Almost 60% of the students are girls. Even though they are financially poor, they are highly talented and hardworking. Our main aim is to provide an opportunity to these rural students to pursue higher education for their development and progress of the family and society.

THRUST AREA: GREEN CAMPUS AS AN INITIATIVE FOR FOSTERING HUMAN VALUES AMONG STUDENTS

The college has green and eco-friendly campus with beautiful landscape. Botanical Garden has rich diversity of flora and fauna. The floral diversity with 150 flowering plant species, 6 Gymnosperms species, 9 Pteridophytes species, 6 Bryophytes species, 2 Insectivorous ,20 Cactus species, 50 Medicinal plants, 8 Aquatic plant, Living fossil *Ginkgobiloba*.

Our botanical garden has single rare gymnosperm tree called *Zamia*, from Africa. It is a male plant. Without a female there was no chance of propagation. For reproduction purpose we collected pollen grains from male cones and took them to Shivaji University which has single female species of *zamia*. The pollen grains were dusted on female cone and viable seeds are formed. The seeds have now been successfully germinated into seedlings.

The Fauna diversity with 78insect species, 33 Butterfly’s species, 9 Amphibian species, 14 Reptile species, 46 Bird’s species and 17 Mammal’s species studied and recorded.


The Botanical garden has Greenhouse to grow shade loving plants, Cactus Garden, Medicinal Plants, herbal medicinal garden, Ornamental Plants, Fruit Yielding plants, gymnosperm plants and rare Andaman and Nicobar palm are grown in our Botanical Garden as part of Biodiversity Conservation Programme.

QR Code for the trees of campus

QR code is tagged to trees in the College campus to identify trees, their characters and uses. These codes can be scanned with Smartphone, which will display complete information of that individual tree including scientific, general and ecological information. Objective of the project was to design and implement a user-friendly tree identification online repository for GSS campus using open-source smart technology.

Environment Consciousness and Eco-friendly campus

The college has installed an Effluent Treatment Plant in the college botanical garden. The effluent generated from Chemistry Lab is treated. After the treatment processes is


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completed the treated water is tested for various physico-chemical parameters as per the Pollution Board water norms. The water after testing is used for gardening. The growth of the plant and its effect of any residual chemical is checked periodically by using micro technique. About 3000 liters of water treated from effluents is reused for plants in botanical garden.

Vermi-compost unit

The campus has many deciduous trees. The solid waste biomass like withered leaves of trees is collected and transferred to vermicompost pit for compost formation, situated in botanical garden of college campus. The compost formed in the vermicompost unit is used to grow plants in the campus.

Water Harvesting Pit

As part of ground water recharge and water conservation programme the college has installed 4 water harvesting pits, where the roof water of the college buildings during rainy season gets collected and the water sinks in the soil strata.

Clean campus drive:

With an intention to keep the campus clean and green, from 4pm to 5 pm, the college management members, staff and students on the last Saturday of every month collect the plastics from the college campus and keep the campus plastic free.

Solar Energy harvesting:

In every building of college campus there are solar lights installed. There are many solar panels on the roof top of the Lab Building. Street lights are solar which has sensors which automatically switch them on and off.

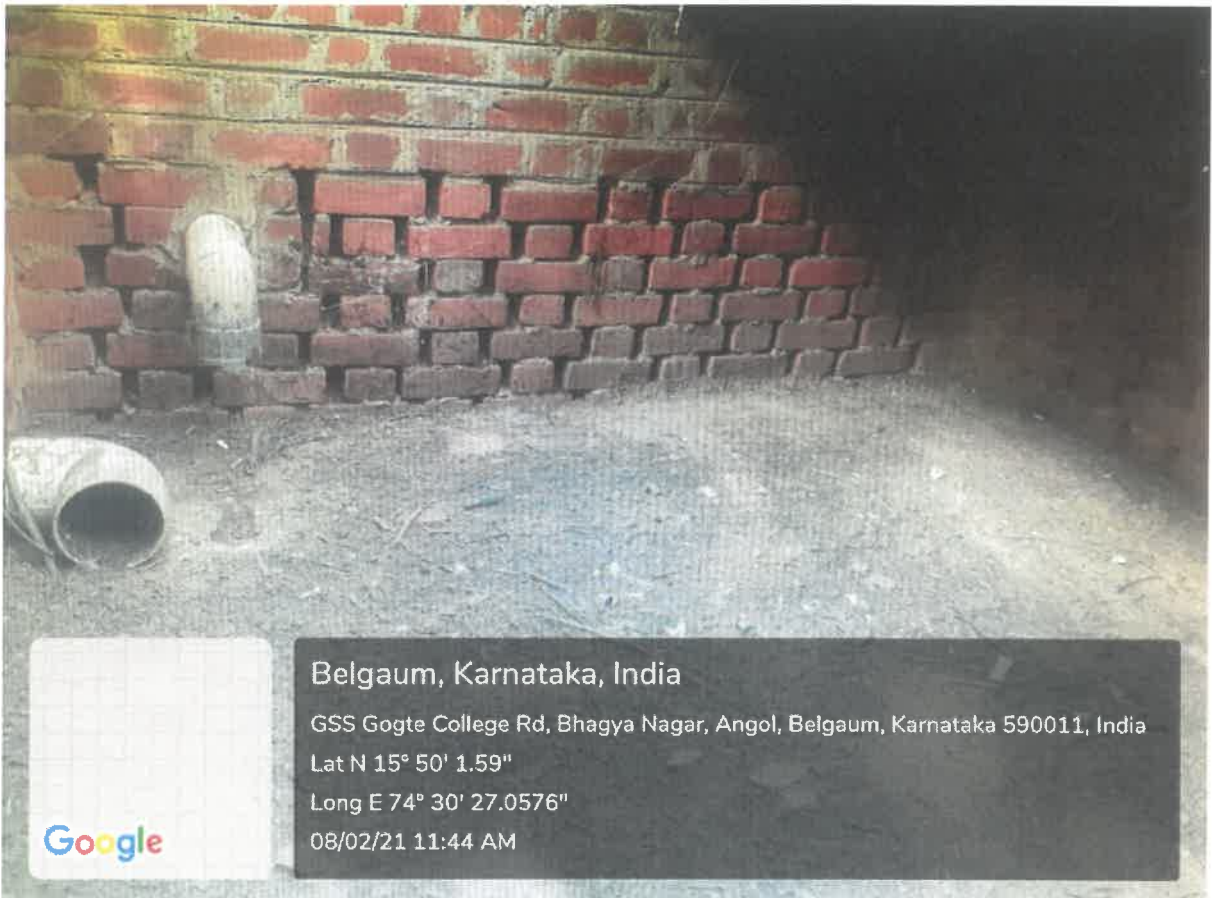

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Any other relevant information



Biodegradable waste management- Vermicompost units



Water harvesting pit


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Solar panel on roof of Laboratory building


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Clean Campus Drive

With an intention to keep the campus clean and green, this year the college has taken up a special 'Clean Campus Drive'. This activity is being carried out at 4.00PM on the last Saturday of every month to inculcate a sense of responsibility among the students who are the primary stake holders of any educational institution, this activity involves mainly the students. But, they are being motivated to carry on this activity by the active involvement of all the staff, both teaching and non-teaching, and also the members of the management.

The first such activity was conducted on the last Saturday of January 2018. It was inaugurated by the Chairman of S. K. E. Society, Shri R. D. Shanbhag in the open air theater. Five different areas were identified within the campus and five groups of students along with staff were formed and set out to clean each such area. Thus the first 'Clean Campus Drive' was a great success that witnessed the participation of the staff and students in large number. The drive continued with the same vigour in the subsequent months of February and March, the result of which is being seen with the campus becoming nearly plastic free.

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