

3.2.1: Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge

Incubation Cell and Innovation Ecosystem

V.G. Shivdare College of Arts, Commerce and Science promotes an approach of research and innovations through an Incubation Cell and Research Committee established in Year 2017.

The spacious and well equipped laboratories, library equipped with reference books, magazines and journals, and smart classrooms are the infrastructural assets of the college which help in promoting the research and innovative approach.

The research committee, has been working towards promotion of this approach by regularly organizing several scientific, research based activities, workshops, guest lectures, conferences, competitions, student participation in research events like Avishkar Research festival, celebrating the days with scientific and social importance, awareness about current issues etc. Some important mentions include conferences: Rashtriya Marathi Parishad, Rashtriya Itihas Parishad, Challenges in service sector, Contemporary Research in Life Sciences and Cancer Biology, Exploration on Intellectual Property Rights and Quality Practices in Research, Workshops on Metagenomics, Polymerase Chain Reaction, Research and Review writing skills, Guest lectures Entrepreneur Development,

The incubation and research committee has always been keen towards providing and getting available quality resources, and practical oriented training to the students. In view of the same VGS-ICRC has taken initiatives in establishment of Memorandum of Understanding with the reputed institutes with advanced facilities and student support. Students undertaking academic research projects are also supported and guided for getting their quality work published. Students are also encouraged to put their creative thoughts and views through the annual college magazine 'Biotalent'.

The incubation center at our institute helps the students apply practical approaches to their innovative thoughts. In academic year 2018-19, Mr. Nikhil Kulkarni from B.Sc. III Biotechnology, working on an academic research on the topic of effective microbial consortia as biofertilizers was encouraged to set up a small scale individual startup for a product "Jeevamrut" based on his promising results of project work. This start up was very successfully implemented by him with the support and guidance of the incubation center.

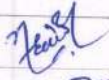
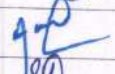
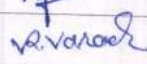
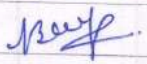


PRINCIPAL
V.G. SHIVDARE COLLEGE OF
ARTS, COMMERCE & SCIENCE, SOLAPUR.

V. G. Shivdare College of Arts, Commerce & Science, Solapur.

Incubation Cell and Research Committee

2017-18

Sr. No.	Name	Designation	Sign
1	Dr. R. S. Dhanve	Coordinator	
2	Dr. Adki V.S.	Member	
4	Mr. A.B. Valsange	Member	
5	Gopika Manjunath	Member	
6	Mrs. Varade V.K.	Member	
7	Mrs. Bavge S.J.	Member	


Principal

PRINCIPAL

V.G. SHIVDARE COLLEGE OF
ARTS, COMMERCE & SCIENCE, SOLAPUR.



VGS - Incubation and Research Committee

CODE OF ETHICS

V.G. Shivdare College is affiliated to Punyashlok Ahilyadevi Holkar Solapur University, Solapur (Previously known as Solapur University, Solapur). The Code of Ethics followed by Punyashlok Ahilyadevi Holkar Solapur University as per UGC guidelines is mandatory to this college.

The **Research activities** carried out at V.G. Shivdare College are mainly aimed to inculcate **scientific temperament and innovative approach in students and researchers**. At the same time the Institute is also aware of the possible malpractices in research and adverse impact of the improperly or non-scientifically practiced approach towards research. Considering the same the Institutional Research Committee has set the code of ethics for conducting research at V.G. Shivdare College of Arts, Commerce & Science, Solapur in accordance with Punyashlok Ahilyadevi Holkar Solapur University and UGC guidelines. This code of ethics for research has been developed to implement the importance of truthfulness and reliability in all research and project work carried out at V.G. Shivdare College of Arts, Commerce & Science, and Solapur.

The aim of the code of conduct is to ensure that all Research activities involving biological agents, toxins, hazardous chemicals are only of types and in quantities that have justification for prophylactic, protective or other constructive purposes. In order to prevent the misuse of scientific and academic research for any purposes all the concerned persons of institute should abide by this code of conduct which are governed by the following principles:

- 1) **Principles of non malpractices:** It is ensured that the discoveries of biomedical research scientists and knowledge generated do not harm humans, animals, plants and environment.
- 2) **Principle of safety:** Undertaking due precautions to protect self and others from any harmful effects and reporting immediately to concerned authorities if any inconvenient incident happens or is likely to happen.
- 3) **Principle of integrity:** Practicing original research with honesty and professionalism in respect of actions in any research work, project work, study or tour report and assignment undertaken.




(Dr. B. N. Kamble)
PRINCIPAL
V. G SHIVDARE COLLEGE OF
ARTS, COMMERCE & SCIENCE, SOLAPUR

Code of Ethics displayed on Institute Website:

<http://www.vgscollge.com/arvpdffiles/naacdata/Code%20of%20Ethics.pdf>

CODE OF CONDUCT (Research)

Research:

1. All students of V.G. Shivdare College of Arts, Commerce & Science, must observe the highest standards of integrity, honesty and professionalism in respect of their own actions in any research work, project work, study or tour report and assignment undertaken by them.
2. Students must submit the original work in the case of assignments, practical journals, project reports, dissertations to their respective teachers and research guides.
3. Plagiarism and passing of another's work as one's own is **NOT PERMITTED**.
4. Before communicating the research data to any domain for publication, competition or any other reason, the students or researchers must get their data approved from concerned teachers or research guides. It is **mandatory** to get this data passed through plagiarism check.
5. It is mandatory that the research work undertaken at V. G. Shivdare College of Arts, Commerce & Science is practiced as per the ethical guidelines prescribed by UGC and Department of Biotechnology (DBT), Govt. of India.
6. The researchers engaged in plagiarism and misrepresentation of involvement or authorship, amount to a failure to adhere to the ethical standards and integral practices will be subject to the strict actions by the Institute. Such actions at the undergraduate and postgraduate levels would amount to downgrading of assignments, mandates to re-do and directions for resubmission or any other action decided by the authorities of the Institute.

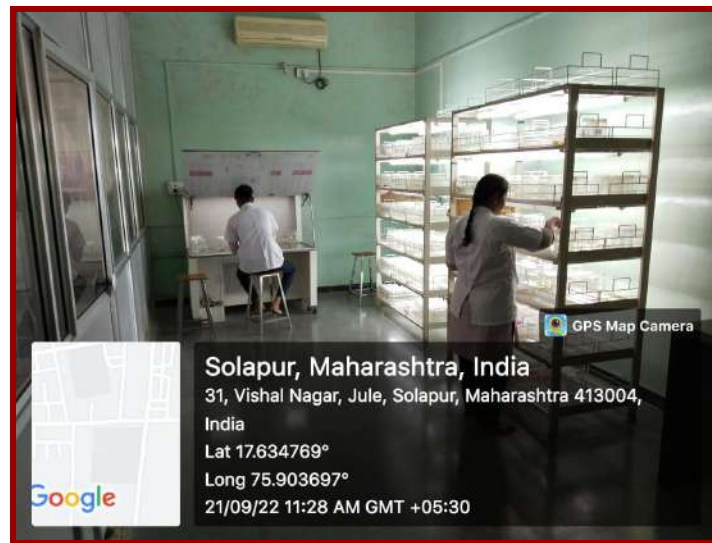



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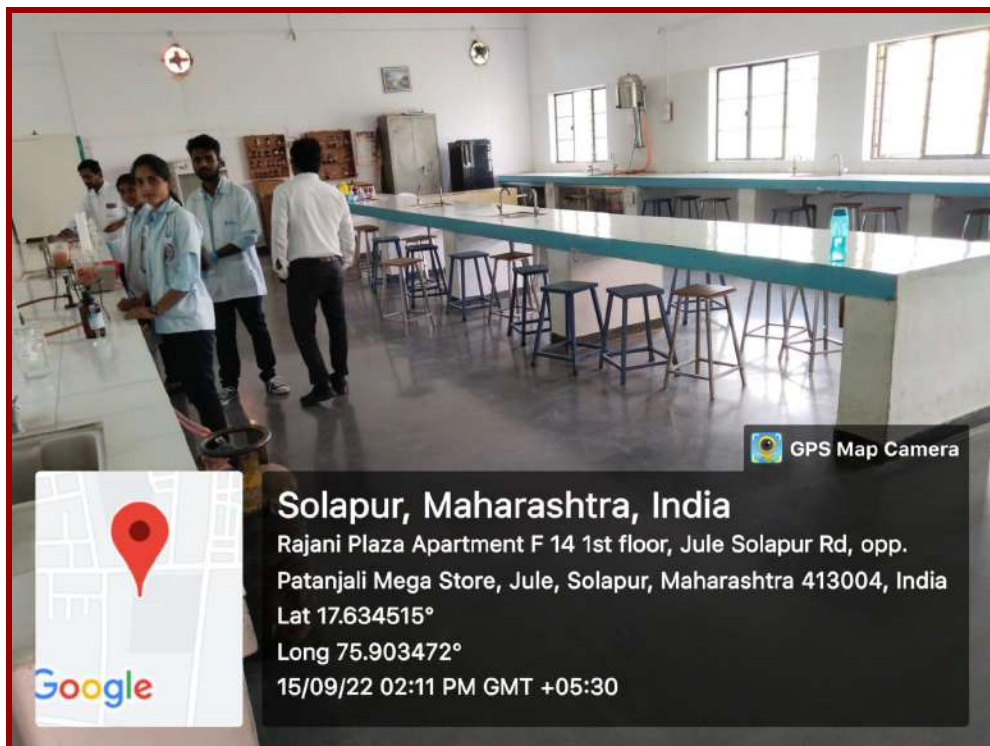
Plant Tissue Culture Laboratory



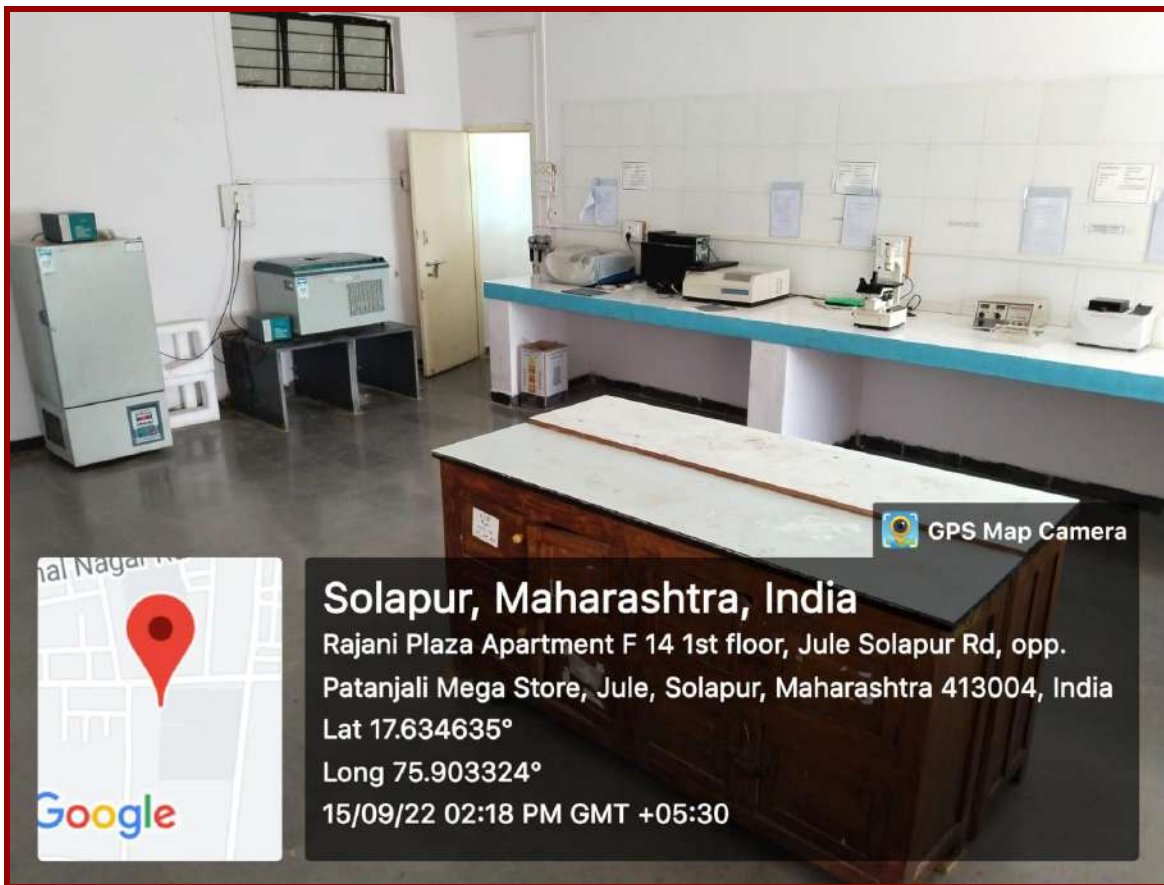
Biotechnology Laboratory



Biochemistry laboratory



Bioscience Laboratory



Common Instrumentation Laboratory

VGS-ICRC supported project: Study of effect of organic vermicompost with enriched microbial consortium on growth of *Capsicum annum L.* (Green Chilli)



Research students with the Biovermicompost product



Students explaining the process and applications of the research product (Vermicompost) to the Hon. Mrs. Dipali Dhate (D.C.P. Solapur city), Hon. Shri Dipak Arway (A.C.P., Traffic Dept. Solapur City), Shri R. V. Shivdare (Chairman D.S.T.S.M, Solapur) & Shri Bhimashankar Shete (Trustee, D.S.T.S.M., Solapur) on 18 Feb, 2022



Effect of biovermicompost product on root and shoot growth of plant

FROM WASTE TO BEST

VGS-ICRC supported project: Production of Bio-based Agriproducts from fruit waste material by fermentation process



Fruit Waste as a raw material



Natural Drying of the raw material



Drying of raw material in laboratory

Study of plant growth Before treatment



Tomato



Brinjal



Chili



Cabbage

Study of effect of After treatment



Tomato



Brinjal



Chili



Cabbage



**Inauguration of Commerce Club
by Hon. Shri R.V. Shivdare (Chairman, D.S.T.S.M. Solapur)**



**Hon. Shri R.V. Shivdare (Chairman, D.S.T.S.M.),
Mrs. Varade V.K. (Head, Dept. of Commerce), Mr. M.B.Patil, Mr. V.S. Manure
observing the projects in Commerce Lab.**

**“Ecosystem for innovations and initiatives
for creation and transfer of knowledge:
through various Activities”.**



**Guest Dr. C.B.Jalkute as an examiner for
College level Avishkar Research Festival (12/09/2018)**



Guest Dr. C.B.Jalkute, evaluating the students research projects (12/09/2018)



Principal Dr. P.H. Basutkar and staff addressing students participating in University Avishkar Research Festival 2019.



**Students participating & winning prizes in
University level Avishkar Research Festival 2019 held at Sant Damaji
Mahavidyalaya, Mangalwedha, Maharashtra.**



Students winning prizes in Balbhim Arts, Science & Commerce College, Beed (04/09/2019)



Consolation Prize of Student in poster presentation competition during a National seminar at K.N. Bhise Arts, Commerce and Vinayakrao Patil Science College, Kurduwadi (28/01/2019)



Student presenting their research in University Level Avishkar Research Festival 2016-17



**Students being evaluated by examiners in University Level
Avishkar Research Festival 2016-17**



Student winners in University Level Avishkar Research Festival 2018 - being felicitated in presence of Vice Chancellor and Dignitaries at SVERI, Pandharpur



FIRST PRIZE of student in Medicine and Pharmacy category (UG Level) of University Level Avishkar Research Festival 2019



FIRST PRIZE of student in Medicine and ENGINEERING & TECHNOLOGY category (UG Level) of University Level Avishkar Research Festival 2019



SECOND PRIZE of student in AGRICULTURE & ANIMAL HUSBANDRY category (UG Level) of University Level Avishkar Research Festival 2019



FIRST PRIZE of student in Medicine and Pharmacy category (UG Level) of University Level Avishkar Research Festival 2018



FIRST PRIZE of student in ENGINEERING & TECHNOLOGY category (UG Level) of University Level Avishkar Research Festival 2017



Participation of student in ENGINEERING & TECHNOLOGY category (UG Level) of Maharashtra State Inter-University Level Avishkar Research Festival 2017



Second prize of student in Medicine and PURE SCIENCE category (PG Level) of University Level Avishkar Research Festival 2017



Second prize of student in Medicine and Pharmacy category (UG Level) of University Level Avishkar Research Festival 2016



Dr. Kishore Ingole: Head Dept. of Microbiology V.M. Medical College, Solapur for a guest lecture on 'HIV AIDS awareness' being felicitated by Principal Dr. P.H. Basutkar (28/12/2018)



Shri Baburao Petkar - Guest lecture on Plant and Water conservation. (08/01/2019)



**Dr. Viswanatham (IKP, Hyderabad) during a workshop on Metagenomics
(28 & 29/11/2019)**



**Faculty and staff participants in the workshop on Metagenomics.
(28 & 29/11/2019)**



Science Students during industrial visit at Amul Industries, Gujarat (24/01/2017)



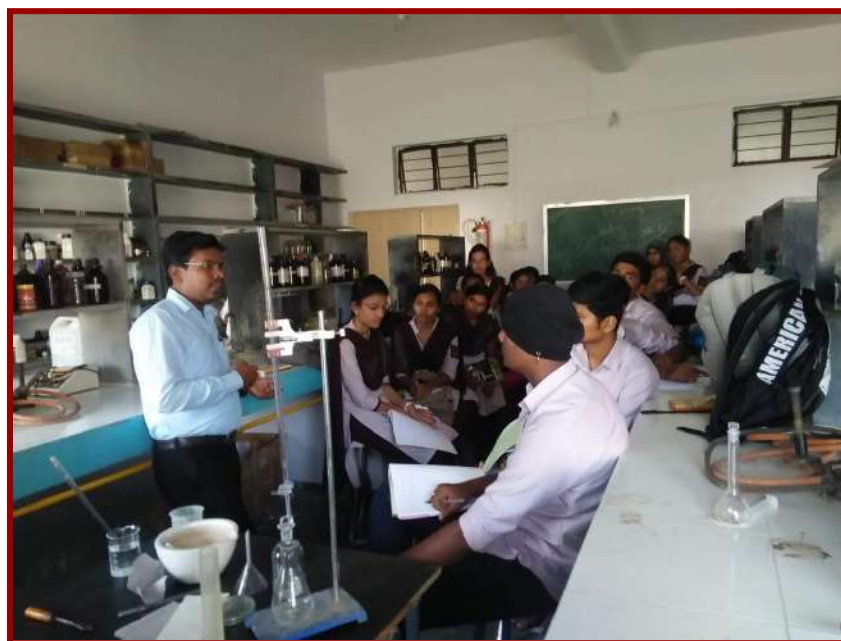
CommerceStudents during industrial visit at Spinning Mill, Solapur



Educational Visit to 'Sanchar' Newspaper
Press 4/1/2018



Arts Students during visit to Sanchaar newspaper printing press, Solapur
(04/01/2018)



Laboratory induction for students of B.Sc. 1 Biotechnology (01/09/2019)



**B.Sc. Biotechnology Students contributing for Science awareness in School Children
in association with 'Marathi Vidnyan Parishad' (29/09/2019)**



**B.Sc. Biotechnology Students contributing for Science awareness in School Children
in association with 'Marathi Vidnyan Parishad' (29/09/2019)**



**B.Sc. Biotechnology Students contributing for Science awareness in School Children
in association with 'Marathi Vidnyan Parishad' (29/09/2019)**



M.Sc. Biotechnology Students contributing for Science Awareness during National Science Day (28/02/2018).



Scientific Rangoli Competition (29/09/2019)



MoUs with Science Institute (NRCP) for Training and Research (11/10/2019)



**MoUs with Computer Institute (Vidya Computers) for Training and Research
(25/11/2019)**



**Guest lecture on Entrepreneur Development
by Mr. Anil Kamble - Solapur Social Foundation**

लोकामत सोलापूर, रविवार, दि. ९ डिसेंबर २०१८ ३



जुळे सोलापूर येथील वि. यु. शिवदारे कॉलेजमध्ये आयोजित कार्यक्रमात बोलताना सहकारमंत्री सुभाष देशमुख. व्यासपीठावर राजशेखर शिवदारे, प्राचार्य बासुतकर, प्रा. भीमराव शेटे, प्रा. सुभाष शेडुले आदी.

मुलींनो, उद्योजक मुलाशी लग्न करा!

सुभाष देशमुख : शिवदारे कॉलेजमध्ये युवक-युवतींशी संवाद

लोकामत न्यूज नेटवर्क

सोलापूर : तुमचे श्रेय निश्चित करा, नोकरीच्या मागे न लागता उद्योग-व्यवसायाकडे वळा, असे आवाहन करून सहकार मंत्री सुभाष देशमुख यांनी विद्यार्थिनींना जोडीदार म्हणून उद्योजक मुलाशीच लग्न करा आणि उद्योगाला प्रोत्साहन द्या, असे आवाहन केले.

जुळे सोलापूर येथील वि. यु. शिवदारे कॉलेजच्या ऑडिटोरियममध्ये 'गरुडझेप सोलापूर जिल्ह्याची संवाद युवकांशी' हा कार्यक्रम शुक्रवारी

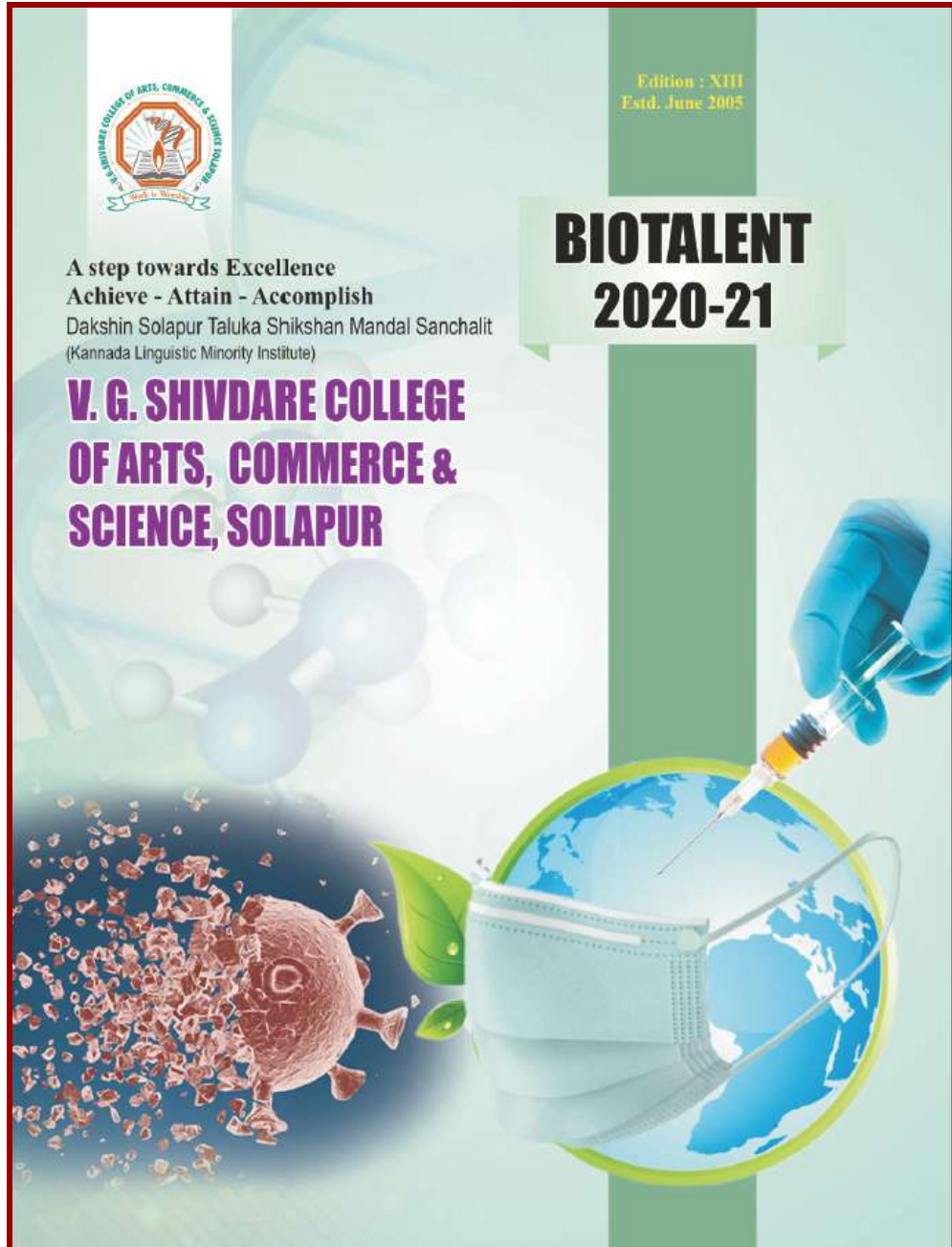
सकाळी पार पडला. यावेळी ते बोलत होते.

व्यासपीठावर संस्थेचे चेअरमन राजशेखर शिवदारे, प्राचार्य बासुतकर, प्रा. भीमराव शेटे, प्रा. सुभाष शेडुले उपस्थित होते.

यावेळी डिग्री, डिप्लोमाच्या विद्यार्थ्यांचे सहकार मंत्री सुभाष देशमुख त्यांच्याशी संवाद साधत प्रश्नोत्तराचे सत्र पार पडले. कुमार कांबळे, विशाल जाधव व इतर विद्यार्थ्यांनी चर्चेत भाग घेतला. प्रसंगी अध्यक्षीय भाषणात राजशेखर शिवदारे यांनी कॉलेजच्या उभारणीच्या

प्रवासाचा उलगडा केला, सहकार मंडळीचा वारसा लाभला आहे, यातून मुलांचे भवितव्य घडवून सोलापूर समृद्ध करण्यासाठी प्रयत्न करत आहोत, असे सांगितले. सहकार मंत्री जबाबदार व कर्तबगार आहेत. त्यांनी पुण्यात केलेल्या सोलापूर महोत्सवाचे आयोजन उल्लेखनीय आहे, असे शिवदारे यांनी यावेळी सांगितले. हणमंत कुलकर्णी यांनी प्रस्ताविक केले. फार्मसी प्राचार्य पाटील यांनी आभार व्यक्त केले. कार्यक्रमाला सर्व विभागातील प्राध्यापक व विद्यार्थी उपस्थित होते.

News in local newspaper about Entrepreneurship awareness program at the college in presence of Hon. Shri Subhash Deshmukh (Director, Lokmangal Industries, Solapur) 09/12/2018



Cover page of an annual college magazine: 'BIOTALENT'