



Centre for Innovation in Science, Technology and Entrepreneurship Development

CISTED FOUNDATION

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!! विकासार्थम् अन्वेषणम् !!

ACTIVITY

JAN 2018 TO JUNE 2020

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| 1. | The center was formulated by a group of professional engineers, doctors, industrialists and enthusiast for creating and promoting awareness of innovation and entrepreneurship in students and society in general. |
| 2. | During June. July , Aug and Sept, 2018 a workshop on “Science learning thru Toys” was conducted at D.V. Paluskar Vidyalay at Palus. Four sessions were conducted under the leadership of Prof. B. D. Kelkar. Hon. Udayji Paranjape extended all the needed assistance and cooperation. This lecture series helped their newly started activity of tinkering lab (according to Atal Innovation Mission) |
| 3. | The first program was held in the form of seminar on 12 th Aug 2018 at Walchand College of Engineering in collaboration with Dnyandeep Infotech, Marathi Vidnyan Prabodhini and Walchand College of Engineering, Sangli, Sangli. It was attended by about 30+ participants from various organisations. |
| 4. | A newsletter “Mind Switch” was started in collaboration with Dnyandeep Infotech and Marathi Vidnyan Prabodhini. Prof. Vinayak Rajadhyaksha extended the necessary efforts. The first copy was inaugurated on 1 st November, 2018 in the auspicious presence of Dr. Raghunath Mashelkar. The prominants among those present were Dr. R. M. Vora, President , Nature Foundation, Dr. Bhaskar Tamhankar, Principal Willingdon college, Sangli, Mr. Arvind Yadav of Marathi Vidnyan Prabodhini, Sangli. |
| 5. | Prof. B. D. Kelkar, Shri. Padmanabh Kelkar and Prof. S. V. Ramchandre conducted Training Program of Science Teachers at the Science Center of Pune. About 100 Science teachers from schools of Pune Municipal Corporation attended the training. (8 days in December 2018).Dr. Khambe conducted one day workshop on “Innovation in Microbiology” at Yeshwantrao Chavan Institute of Science, Satara. (21/02/2020) |
| 6. | Press note was released explaining the activities of Innovation Centre and future plans in a press conference conducted on 13 th Dec. 2018. |
| 7. | Prof. Dr. Khambe delivered lectures on 8 th June 2019, “Environmental Day” at Ghodavat Institute of Technology. |
| 8. | Prof. B.D. Kelkar was invited as a Chief Guest on the occasion of Annual day Celebrations of the Gajendra Foundation, Kolhapur on 23 rd June, 2019. Shri Arvind Deshpande, Chairman and managing Director of A.G. Group of industries and Chairman of the Gajendra Foundation organized this function in which prizes were distributed to Innovators Science Faculty of The Shivaji University and Shri Mahesh Pagnis of Parmhans Research, Sangli. |
| 9. | A school development Plan was prepared for D. K. English School, Sakharpa in May 2019. First Session was conducted on 23 rd July 2019 in the form of workshop for teachers and students covering topics of Science thru Toys, Yoga, Organic Farming and Mushroom development Project. |

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| 10. | The team visited Sir Vishvesharayya Technical campus, Patgaon, Tal. Miraj and carried out discussions and plan of action for the rehabilitation and development program of the institute. (August, 2019). Team consisted of Prof. B.D. Kelkar, Dr. S.D. Khambe, Prof. S.V. Ramchandre and Prof. S.S. Mirasdar. |
| 11. | Prof. B. D. Kelkar and Shri. Padmanabh Kelkar conducted Training of Science Teachers at the Science center of Ashramshala in Palghar district. Four batches of 25 each were trained in 8 day's programs. (19 th . August, 2019) |
| 12. | Dr. Khambe S.D. Conducted one day workshop on "Innovation in Microbiology" at Yashwantrao Chavan Institute of Science, Satara (30 th August, 2019) |
| 13. | Prof. B. D. Kelkar delivered lectures on 15 th September 2019, Engineers day Program at Sir Vishvesharayya Technical campus, Patgaon, Tal. Miraj Dist. Sangli and also at Deccan Institute of Technology, Kolhapur. |
| 14. | Organization of different programs for spreading message in the society FFF (Friday For Future) Dr. Ravindra Vora, Prasanna Kulkarni, Mr. Shivaji Oulkar and Dr., S.D. Khambe, YIN of Sakal Papers 1. Interviews of the school students for FFF program by 8 school children on Green FM 23 rd Sept, 2019. 2. Organisation of Human Chain in 252 Schools of Sangli District with help of Education Officer, Z.P. Sangli. (24 th Sept, 2019) 3. Organisation of 4 Km Human chain in Sangli City from Krishna River Bridge to Corporation, D.S.P. Office to Commerce College, Vishrambag, 27 th Sept, 2019. |
| 15. | A guest lecture of Hon. Dr. Shantanu Patil of Shriram University, Chennai was arranged on the topic of Innovation at Padmabhushan Vasantdada Patil Institute of Technology (PVPIT), Budhgaon, Walchand College of Engineering (WCE), Sangli and Bharati Vidyapeeth Medical College, Wanleswadi. The speaker was (October 10-11, 2019). |
| 16. | The innovation center team assisted Mr. Akshay Limaye of B. Tech Elec. Student from Walchand College of Engineering, Sangli to develop cow-dung lamps, an eco-friendly substitute for Deepavali Lamps and also helped him in marketing the same. (Oct, 2019) |
| 17. | Dr. Khambe visited Kurkumbh MIDC, Tal. Indapur Dist. Siolapur to suggest better utilization of treated MIDC waste water for plantation. (05 Nov, 2019). |
| 18. | An application was submitted to Shivaji University, Kolhapur for registering the center as Guide and Mentor to research candidates. (14/10/2019) |
| 19. | Kids Paradise School, Sangli has organized an Environmental Workshop for Students and Parents to know the future carriers in Environment and Entrepreneurship. Dr. S.D. Khambe worked as one of the panel member and guided the students (29 th Nov, 2019). |
| 20. | Prof. Dr. Khambe delivered lecture on Instrumentations in Analytical Laboratory in Vivekanand College, Kolhapur. (21 st December, 2019) |
| 21. | Guidance to farmers, entrepreneurs and students for their problems are being offered Production of Shatavari Powder. Paper Scrap Utilization. IOT based Bio-gas Project won prize in State Level Competition and selected for National level competition at Delhi. The list of ongoing other projects is attached |
| 22. | A group discussion was arranged on the basis of report made by Dr. Jagdish Khadiikar on Floods affected Sangli area and the Relief work carried. Discussion on the topic of "Flood Situation in Krishna River basin in Sangli-Kolhapur during August 2019 which severely |
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| | <p>affected public life and property. A thought was given to how different project works could be undertaken in professional colleges in Shivaji University area to study the Hydraulic characteristics of the river flow causing uncontrolled flood situation. Shri Vilas Chouthai explained how he had earlier given project work to B.Tech / M.Tech students who had worked on the flood situation on the Agrani river and Krishna River near Vijapur. Dr. Prakash Kapileshwar explained how different projects could be undertaken with the help of data collected in Irrigation Departments. Such studies would be very much useful in controlling the situation of floods in future. Dr. Suhas Deshpande suggested to contact various colleges so that they could help students in handling such projects. Accordingly PVPIT, Budhgaon and Department of Technology, Shivaji University have managed work on two such projects. (30th Jan, 2020).</p> |
| 23. | <p>Various works are in progress for development in industrial sector as: Coconut Water Bottling a Enhancement of shelf life for Tandoor Roti, Bread. Reducing Calcium content from papermill waste Solid and liquid Waste Treatment and disposal system for Sudarshan Aluminium, Kolhapur.</p> |
| 24. | <p>Visited SVERI, Pandharpur's engineering college along with Dnyandeep Infotech and signed MOU for development of the college. 8th Feb. 2020.</p> |
| 25. | <p>A small gathering was arranged on 14th Feb, 2020 in Hotel Diamond in which Dr. Hora was felicitated on his work on Agrani River Rejuvenation, Dr. S.V. Ranade was felicitated for his work in Dnyandeep Foundation for development of various apps for educating children and kids. On this occasion picture set based on "Pasaydan stanzas" was released and exhibited by Prof. B.D. Kelkar. All those present appreciated the idea of innovative picture set inspiring the society. The first set of 12 pictures was exhibited in Ganesh Temple near Haripur In first week of March, 2020.</p> |
| 26. | <p>Dr. Khambe and Prof. S. V. Ramchandre delivered lecture on Innovation and Entrepreneurship in analytical field. Also conducted laboratory visit for the students of Gokhale College, Kolhapur.(17th Feb, 2020).</p> |
| 27. | <p>Dr. Khambe visited Natepute, Dist Solapur to study about the Vit D containing leaf plantation and suggested organic farming schedule for better quality production. The Breeding Botanicals Pvt. Ltd. has followed the method suggested. (19th Feb. 2020).</p> |
| 28. | <p>A team visited J and M Exim Unit of Coconut powder production at Tanang, Tal. Miraj Dist. Sangli. The team has suggested methods for utilization of coconut water as a different product as it was found to be wasted. (21st Feb,2020)</p> |
| 29. | <p>Prepared Detailed Project Report of "Eco-Education Park" for Nisarg Pratishtan of Sangli. (25/02/2020)</p> |
| 30. | <p>A joint seminar on "Solid waste treatment" was organized in Walchand College of Engineering, Sangli, Sangli with Department of Civil Engineering and Innovation Center between Feb. 28-29, 2020.</p> |
| 31. | <p>Worked as Internal Judge for Nirmiti 2K20 Poster Presentation Contest on Innovative Engineering Projects organized by Padmabhooshan Vasantraodada Patil Institute of Technology, Budhgaon (Sangli) Degree Wing on 4th march, 2020.</p> |
| 32. | <p>Dr. S.D. Khambe worked as a Judge for the Poster / Project presentation cum Exhibition on the topic of Innovative Ideas organized by Adhar Foundation at School No. 3Sangli on 7-8th March, 2020.</p> |
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| 33. | Carried out a design audit of Comfort Hair collector (Patented) useful for Saloons and Parlors. (10-15 th March, 2020). |
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LIST OF PROJECTS IN HAND

1. Coconut Cutting machine for half cut, deshelling, (for 50000 coconuts per day project).
2. Food waste / House hold solid waste pulverizing machine 100 kg/hr, 250 kg/hr, 500 kg/hr.
3. Vegetable / Fruit / Rhizome drying system
4. Whitening of leather
5. Coconut water preservation, Bottling and conversion to other products like vinegar, energy liquid, Agriculture useful product etc.
6. Shelf life improvement of Bread and Cake up to 15 to 20 days.
7. Plastic laminated kraft paper scrap utilization for useful products. Decorative article / idols Sapling pot etc. by using appropriate binder.
8. Whitening of animal fat.
9. Squeezing machine for coconut to prepare coconut milk for Solkadi.
10. Reuse and treatment of Waste machine tool cutting oil.
11. Half fried tandoor roti production.
12. Banana Flower pilling and dressing system

LIST OF PROJECTS OF CREATIVE THINKING

1. Utilization of hot air generated from air conditioner for vegetable drying etc.
2. Projects of Eco-Education park
3. Women protection device.
4. Garland making.
5. Pitcher holding device for head.
6. Load bearing system for hamal/coolie.
7. Pomegranate peeling machine.
8. Simple tools in hotels.
9. Household useful equipment.
10. Greenhouse problems.
11. Garlic cleaning device