

ACTIVITES OF ACADEMIA – INDUSTRY INTERACTION CELL (AIIC)

Programme Coordinator : Mr. K. N. Venkatesh, Sr. Project Engineer

18.4 E-LEARNING CENTRES

a) Supported by – KSTePS, DST, GoK

Under Special Development Programme Rs.120 lakhs was sanctioned during March 2014 to implement the project entitled “Establishment of Virtual laboratory to improve the quality of Education in backward taluks of the State” in 11 government high schools.

Interacted and reviewed the progress and utility of the Virtual Laboratory facility provided to the schools on 29th January 2020 and elicited the information on working status of VCRs. Further, KSCST has initiated to update latest NCERT digital contents in the server at all 10 schools and also to strengthen these centers by rectification of the hardware issues / procurement of new hardware accessories. NRDMS officials working in district Zilla Panchayath are visiting the Virtual Laboratory schools coming under their jurisdiction to monitor the progress. NRDMS officials shall also visit the schools once in 3 months for monitoring and strengthening the hardware and software provided.

b) Supported by - REC, NEW DELHI

During 2016-17 REC sanctioned of Rs. 174 lakhs to implement E-Learning centre in 10 government high schools under CSR grants with an objective to improve the quality and effectiveness of education by collaborative learning and teaching process through IT enabled software & tools.

KSCST successfully installed / deployed 3D virtual experiments at all 10 high schools during December 2018 and successfully installed and provided training to the teachers

- Updated the cloud-based solution with license for the period of 1 year for the video streaming studio to interact with the students and teachers of all 10 schools from the studio.
- REC officials visited E-learning centre on 26th November 2019 and 16th February 2019. Reviewed the progress of the project.
- Interacted with VCR school teachers and students on 22nd November 2018 and 17th December 2018 from KSCST video streaming studio.
- Students and teachers participated in Vijnana Darshana Programme on 17th, 18th and 19th January 2019.
- Organized interaction cum lectures from subject experts from KSCST video streaming studio and streamed the same to Virtual Classrooms installed government high schools across Karnataka during April 2019 – November 2019.
- Project Scientist and PI / Co-PI interacting with the students once in a month.
- Updated the latest NCERT digital contents developed by Swami Vivekananda Youth Movement (SVYM) in Kannada and English languages.
- Analyzed Project completion report is submitted to REC. The report provides pass percentage/student strength analysis before and after installation.

- NRDMS officials shall also visit the schools once in 3 months for monitoring and strengthening the hardware and software provided.



Dr. Sunitha Singh, IFS, REC, New Delhi interacted with the students and teachers of VCR Government High School, Heskattur, Kundapura (T), Udupi (D)



CEO, REC Foundation, New Delhi and Officials from REC Bengaluru visited KSCST



Article on E-Learning centres in local news paper



Students and teachers at Jawaharlal Nehru Planetarium during Vijnana Darshana program held from 29th – 31st January 2020



Interaction with DSERT Officials with E-learning centre teachers

C) Supported by – KREIS, GoK

Karnataka Residential Educational Institutions Society (KREIS), Social Welfare Department, Government of Karnataka approached KSCST to provide technical and management support for establishment of Virtual Laboratory / E-Learning Centres in the residential schools functioning under KREIS. Memorandum of Agreement was made and executed on 19th March 2018 between Executive Director, KREIS and Secretary, KSCST for providing technical and managerial support.

Technical and managerial support was provided to KREIS, for submitting the project proposal to Rural Electrification Corporation, New Delhi. REC sanctioned Rs. 180 Lakhs to KREIS for establishment of 10 E-Learning Centers. KREIS has approached KSCST to provide technical and managerial support and agreed to pay 1.5% of the total cost of the project as consultancy fees to KSCST. Established E-learning centres in 10 Ekalavya Model Residential Schools of Karnataka.

D) Establishment of computer labs of scheduled tribe's directorate ashram schools

Directorate of Scheduled Tribes Welfare Department, Government of Karnataka requested KSCST to provide Technical and Management support for implementation of IT related e-learning centres and academic programs in the ashrama schools with a view to improve the infrastructure facilities and quality of education.

The Memorandum of Agreement was made and executed on 19th July 2019 between KSCST and Directorate of Scheduled Tribes Welfare Department, Government of Karnataka for providing technical and managerial support.

The Directorate of Scheduled Tribes Welfare Department successfully established computer labs at all 43 Ashrama schools across the state based on the technical specifications provided by KSCST. The 43 Ashrama Schools are spread over 15 districts of the state covering 34 taluks.

Directorate of Scheduled Tribes Welfare Department, Government of Karnataka requested to conduct the 3rd party inspection of these ashrama school and also to provide the status report.