

Brief on Tirupati Cluster Institutions for HEPB meeting to be held on 29th and 30th 2022 at Nagarjuna University, Guntur.

Following the meeting held on 29th and 30th July 2022 at JNTU Anantapur, Various meetings with Regional cluster Institutions was held in hybrid mode hosted by Prof K N Satyanarayana, Director, IIT Tirupati and Convenor, HEPB. The one page report on the activities taken up between the institutions, activities planned and future activities is as follows:

Activities taken up:

1. Tirupati cluster has identified the main thrust areas that are relevant to societal concerns like i.e., (i) Food Technology and Precision Agriculture, (ii) Ecology and Biodiversity of the Tirupati cluster region and (iii) Waste Management and Circular Economy and decided to select two institutes, one institute from the State Govt. and second institute is from the other sectors to lead on each area and to form sub-committees for a better co-ordination among the institutes of the cluster.

Accordingly, the following are the details of the leading institutes and the proposed sub-committees:

Sr. No.	Research Area	Name of the Leading Institutes	Sub-committee Member/ Institute
1.	Food Technology and Precision Agriculture	IIT Tirupati (Coordinator: Prof. KSMS Raghavarao, Dept. of Chemical Engg.) SPMVV Tirupati (Coordinator: Prof. M Aruna, Dept. of Home Sciences)	1) Dr. A Chandra Sekhar, Department of Biotechnology, Yogi Vemana University Kadapa 2) Prof. Manjula Kola, Dept. of Home Sciences- SVU Tirupati 3) Dr. G Mary Sandeepa, Dept of Biotechnology, VikramaSimhapuri University Nellore 4) Dr. Ishwar Murthy, IISER Tirupati 5) Dr. K Sarjan Reddy, SV Veterinary University Tirupati 6) Dr. K Suryanarayana, Head-Dept. of Research & Publications- NSU Tirupati 7) Dr. M. M. Kesavulu MBU
2.	Ecology and Biodiversity of the Tirupati cluster region	KREA University (Coordinator: Dr. Bharat Sundaram, Dept. of	1. Dr. A Madhusudhana Reddy, Department of Botany, Yogi

		Environmental Studies) SVU Tirupati (Coordinator: Dr. N Savithamma, Dept. of Botany)	Vemana University 2. Prof. DM Mamatha, Registrar, SPMVV Tirupati 3. Dr. Robin VV, IISER Tirupati 4. Dr. V Mercy Jyothi, Dept. of Education, Dravidian University Kuppam 5. Prof. Suresh Jain, Dept. Civil & Environmental Engg., IIT Tirupati
3.	Waste Management and Circular Economy	Yogi Vemana (Coordinator: Dr. L Veeranjaneya Reddy, Dept. of Microbiology) VikramSimhapuri (Coordinator Dr.UdaySankar Allam, Dept. of Biotechnology)	1. Dr. S. Varadarajan, Dept. of ECE, SVU Tirupati 2. Prof. P. Suvarnalatha Devi, School of Sciences, SPMVV Tirupati 3. Dr. Janaki Ramaiah, Dept. Civil & Environmental Engg., IITT 4. Dr. Sumitra Ranganathan, Dept. of Literature and HSS, KREA University 5. Dr. Hemadriprasad Raju MBU

2. **Indian Knowledge System (IKS)** an innovative cell has organized awareness program for the cluster institutions in Tirupati in collaboration with IIT Tirupati. Various schemes, grants funds for enhancing the innovation in the ancient traditions were discussed during the meeting.
3. Cluster jointly organised the Distinguished Lecture was delivered by **Prof. Ajay Sood, Principal Scientific Advisor to Govt of India** on India @ 2030: S & T Challenges and Opportunities in SV University Campus.
4. The Board of Governors, IIT Tirupati and MoE has cleared the proposal to set up **Centre of Excellence of Smart Factories** in IIT Tirupati. The CoE will offer student internship to the cluster institutions.
5. The 12th International Conference on **SustainableWaste Management –Circular Economy** (Nov 30th –Dec 3rd 2022) has been organised jointly by the cluster institutions. Some of the highlights of the Conference:ICON SWM CE has been conducted by Sri Venkateswara University and ISWMAWbased at Kolkatta in collaboration with IIT, IISER, SVIMS Tirupati besides APSCHE, APCOST, APPCB, Sri City.More than 350 Participants from 51 countries from Academia, Industries, R&Ds, Govt, institutions have presented their papers in Person/ Virtual mode.Papers were presented in the following themes: Solid, liquid, E –waste and Bio-medical waste, alternate materials for Plastic, Wealth from Waste etc.

6. One day joint symposium was organised jointly by IIT Tirupati and SPMVV on “ Building Innovation, Incubation & Entrepreneurial Ecosystem across HEIs in AP’ on 17 Aug 2022. **Dr. Abhay Jere, Chief Innovation Officer**, MoE has graced the event as Chief Guest.

Activities Planned:

1. Jointly organise workshops and seminars on thrust areas, identify institutional coordinator to monitor the events happening among the cluster institutions.
2. The Cluster will form the sub-committees to find out some 2-3 research topics/areas where the cluster institutes can be worked out. It is also proposed to include all the faculty from the Cluster Institutes who are working in these core / related areas.
3. Create a common website to update the information and opportunities created in the regional cluster institutions.
4. Have monthly review meetings with the cluster institutions.