

No: DSIR/A2K+STUDIES/IMR/2020
Government of India
Ministry of Science & Technology
Department of Scientific & Industrial Research

Technology Bhawan,
New Mehrauli Road
New Delhi - 110 016
20/05/2020


OFFICE MEMORANDUM

The Department of Scientific and Industrial Research (DSIR) is implementing a scheme known as "Access to Knowledge for Technology Development and Dissemination (A2K+) Studies". The objective of the scheme is to support studies in emerging areas of technology aimed at providing useful information and knowledge base for doing any further work in these areas and to analyze the developments in the emerging technology areas and document the findings, learnings and outcomes for wider dissemination. The scheme targets at disseminating science, technology and innovation related information to industries, research and academic institutions, consultants, industry associations, techno-entrepreneurs, government departments and others.

2. The department has been undertaking a variety of studies in the following themes areas:
 - i. Commercialization status of technologies developed at public funded research institutions;
 - ii. Building industrial capabilities for adoption of state of the art technologies that will dominate the industrial scenario in the near future;
 - iii. Enabling linkages amongst academia, R&D and industry for building a strong and thriving innovation ecosystem;
 - iv. Enhancing depth in manufacturing and value addition in industry;
 - v. Technology Brand building;
 - vi. Conformity to Standards by industry;
 - vii. Emerging requirements of MSME sector with reference to globalization and technological advancement;
 - viii. Support system for knowledge enterprises and micro-enterprises;

So far the department has supported 20 studies under this scheme. A list of subject areas of these studies is at Annexure 1.

3. Recently, a committee reviewing the scheme has suggested that A2K+ Studies scheme may be strengthened further by undertaking more outcome oriented with measurable parameters. Therefore, the department seeks inputs from your department on specific subject areas of interest to your stakeholders. We shall be pleased to associate your department while conducting studies in the areas related to your department. We will be highly thankful for your response in the next two weeks.


20/05/2020
Vipin. C. Shukla, Scientist-F
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To,

Secretaries of the Gol

Annexure 1

Sr. No.	Title of the Study	Name of the Organization	Theme Area
1	Effective Grain Storage for better livelihood of Indian Farmers for food and nutritional security in the new millennium	Indian Institute of Crop Processing Technology (IICPT), Thanjavur, Tamil Nadu	Safe storage of food grains
2	Industrial technology related study on framework of Industry – University linkages in research	PHD Chamber of Commerce & Industry (PHDCCI), New Delhi	Framework of Industry-University linkages in research
3	Technology diffusion in the millet processing industry specific to Karnataka State.	CSIR-Central Food Technological Research Institute, Mysore	Rice milling and processing of millets and onions
4	Inventorization of microbe based technologies developed in National Agricultural Research System (NARS) for catalyzing their effective translation from lab to land	ICAR- National Bureau of Agriculturally Important Microorganisms (NBAIM), Mau, UP	Commercialization Status of Technologies Developed at Public Funded Research Institutions
5	Developing a framework for Commercialization of technologies developed at public at public funded research institutions	CSIR- Central Scientific Instruments Organization (CSIO), Chandigarh	Commercialization status of technologies developed at Public funded research institutions
6	Demand, opportunities and challenges for development and deployment of Ultra Machining Technology in India	Central Manufacturing Technology Institute (CMTI), Bangalore	Building industrial capabilities for adoption of the state of the art technologies that will dominate the industrial scenario in the near future
7	Qualitative study of technologies designed using Artificial Intelligence for improving healthcare services in the Indian context	Centre for Development of Advanced Computing (C-DAC), Chandigarh	Building industrial capabilities for adoption of the state of the art technologies that will dominate the industrial scenario in the near future
8	Technology forecasting and projecting market trends for agricultural machinery manufacturing Sector in India	ICAR-Central Institute of Agricultural Engineering (CIAE), Bhopal	Building industrial capabilities for adoption of the state of the art technologies that will dominate the industrial scenario in the near future
9	Formulating a suggestive model for Indian for facilitating university-Industry linkages in research	PHD Chamber of Commerce & Industry (PHDCCI), New Delhi	Enable the Linkages amongst academia, R&D and industry for a strong and successful innovation ecosystem

10	Feasibility study of commercial scale coating on copper alloys, using radio-frequency plasma technology	Institute of Advanced study in Science & Technology (IASST), Guwahati	Enhancing depth in manufacturing and value addition in industry
11	Role of Branding in Enhancing Competitive Growth for MSME Sector	All India Management Association (AIMA), New Delhi	Technology brand Branding
12	Access to Energy Efficiency Technology Information for Indian Industries	The Energy and Resources Institute (TERI), New Delhi	Support system for knowledge enterprises and micro enterprises
13	The Role of Standards in Diffusion of Emerging Technologies: Internet of Things (IoT)	Indian Council for Research on International Economic Relations (ICRIER), New Delhi	Conformity to standards by Industry
14	Studies on technology and Innovation Management -	CSIR- Institute of Himalayan Bioresource Technology (IHBT), Palampur, HP	Commercialization status of technologies developed at Public funded research institutions
15	An assessment study of the commercialization status of already developed technologies of the public funded research institutes established in Madhya Pradesh and to evaluate their relevancy in synchrony to the technical requirement of the local industries	Rabindranath TAGORE UNIVERSITY (formerly ISECT University), Raipur, Madhya Pradesh	Commercialization Status of Technologies Developed at Public Funded Research Institutions
16	To assess the commercialization status of the Technologies from Govt. funded national institutions	Amity University, NOIDA, Uttar Pradesh	Commercialization status of technologies developed at Public funded research institutions
17	Increasing competitiveness of SME's with fourth Industrial Revolution Technologies	Asian Pacific Centre for Transfer of technology (APCTT) of the UN Economic and Social Commission for Asia Pacific (ESCAP), New Delhi	Building industrial capabilities for adoption of the state of the art technologies that will dominate the industrial scenario in the near future
18	Alternate materials for improving response and damping properties of machine tool structure	Central Manufacturing Technology Institute, Bangalore	Enhancing depth in manufacturing and value addition in industry
19	Technology strategies and branding manifestations for better firm performance- A comparative study from the year 2000 to 2019, after different phases of liberalization of the Indian Economy	Symbiosis School of Media and Communication- Bangalore, Symbiosis International (Deemed University), Bangalore	Technology brand Branding

20	Emerging requirements of Nano coating in the fields of Automotive, aerospace, machine tool, healthcare & sanitization sectors in the country and the means to achieve it	Central Manufacturing Technology Institute, Bangalore	Emerging requirements of MSME sector with reference to globalization and technological advancement
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