Digital Catalogue for Technologies and Products

under Empowered Technology Group

by

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https://www.istem.gov.in/

How to Login? https://www.istem.gov.in/ Login ID: INxxxx Password: (sent through email)

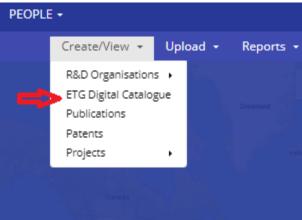


Registration of New Organization/Sign-in

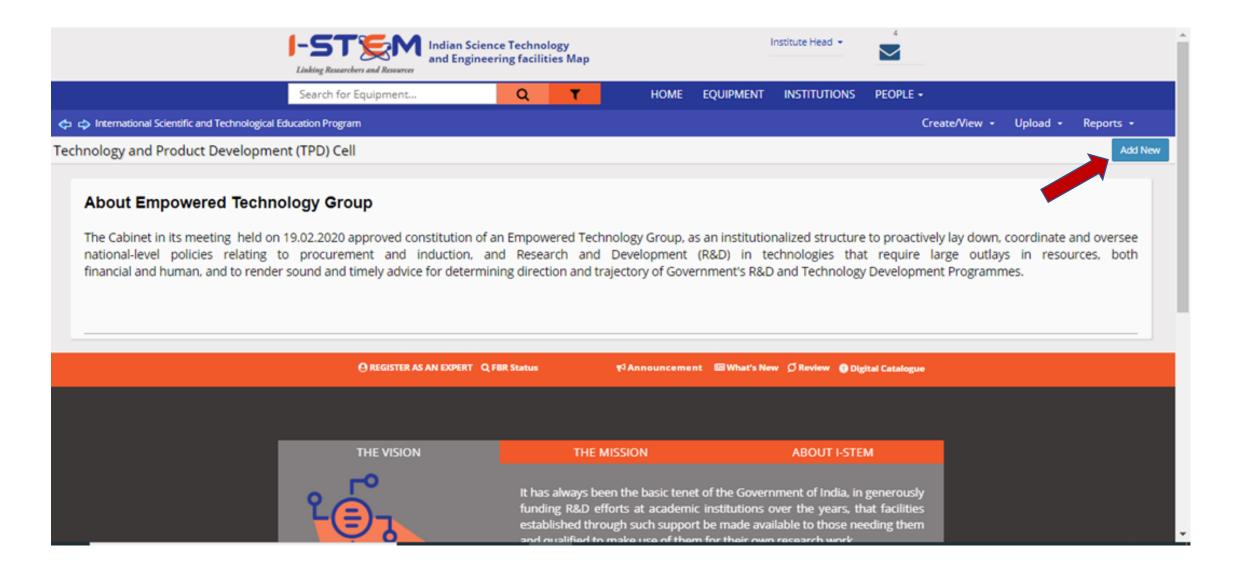


Home page

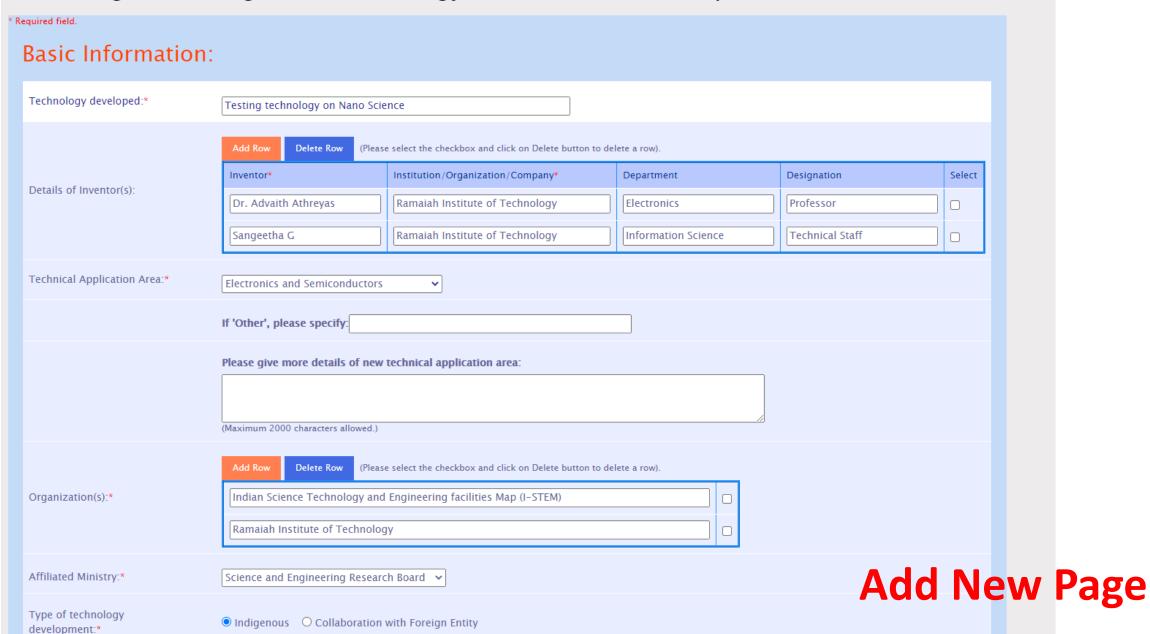




Technology and Product Development Cell



Digital Catalogue for Technology and Products Development



Does the technology help in replacing any import items currently procured from outside India?	○ Yes
Does the technology have export potential?	● Yes O No
Category of technology developed:*	O Immediate Deployment Futuristic Export Potential Import Substitution
Stage of Development:*	Prototype Level
	Please describe (also specify the TRL Level):* It is at prototype level (Maximum 2000 characters allowed.)

Abstract:

(Maximum 2000 characters allowed.)

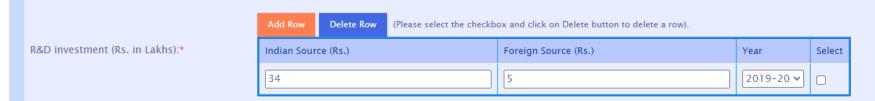


Technology Inputs:

	Add Row Delete Row (Please select the checkbox and click on Delete butto	on to delete a row)		
Imported Equipment/Spare Parts:	Equipment/Spare Parts	Year	ITC-HS Code	Select
	SEM	2019-20 🗸	rtufbnh1	
	Add Row Delete Row (Please select the checkbox and click on Delete butto	on to delete a row)		
Indigenous Equipment/Spare Parts:	Equipment/Spare Part	Year	ITC-HS Code	Select
	Microscope	2019-20 🗸	micras12	
	Add Row Delete Row (Please select the checkbox and click on Delete butto	on to delete a row)		
Imported Raw Materials:	Raw Materials	Year	ITC-HS Code	Select
	Scanning Microscope	2019-20 🗸	testcf34	
Add Row Delete Row (Please select the checkbox and click on Delete button to delete a row).				
Indigenous Raw Materials:	Raw Materials	Year	ITC-HS Code	Select
	Electron Gadget	2019-20 🗸	egtvb456	
Add Row Delete Row (Please select the checkbox and click on Delete button to delete a row).				
Existing R&D Facilities used:*	Facilities*	Year*	ITC-HS Code*	Select
	TEM	2019-20 🗸	rtfgcv34	
	ITC - Indian Tariff Code.			

Add New Page

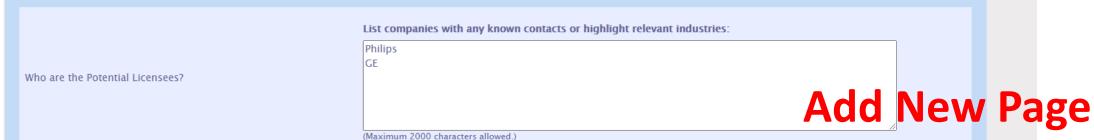
R&D Investment:



Patents & Publications:



Commercialization Potential:





Indigenous Technology Development Plan:

	Add Row Delete Row (Please select to	the checkbox and click on Delete bu	itton to delete	a row).		
Technologies/raw materials proposed to be indigenized and action plan:	Action Plan (Summary)		Year	Select		Please attach a .pdf file (max. size: 4MB) :
	Will be submitted later (Maximum 2000 characters allowed.)		2020-21 •	·		Choose File No file chosen
Total Investment to be	Add Row Delete Row (Please select to	the checkbox and click on Delete bu	itton to delete	a row).		
made on expansion (Rs. in Lakhs):	Indigenous Components (Rs.)	Imported Components (Rs.)	Y	'ear	Select	
	45	4		2020-21 🗸		

Add New Page

Preview Page

Preview after Filling the form

Digital Catalogue for Technology and Products Developmer Preview Page

Preview

Basic Information				
Technology developed:	Testing technology on Nano Science			
	Inventor	Institution/Organization/Company	Department	Designation
Details of Inventor(s):	Dr. Advaith Athreyas	Ramaiah Institute of Technology	Electronics	Professor
	Sangeetha G	Ramaiah Institute of Technology	Information Science	Technical Staff
Technical Application Area:	Electronics &	Semiconductors		
	If 'Other', please specify:			
	Please give n	nore details of new technical appli	cation area:	
Organization(s):	Indian Science Technology and Engineering facilities Map (I–STEM)			
	Ramaiah In.	stitute of Technology		
Affiliated Ministry:	Science and L	Engineering Research Board		
Type of Development:	Indigenous			
Does the technology help in replacing any import items currently procured from outside India?	No			
Does the technology have export potential?	Yes			

Category of technology developed:	Futuristic	Preview Page
Stage of Development:	Prototype Level	rieview rage
	Please describe in detail including the TRL Le	vel:

Abstract:

Applications:

Nanoscience and nanotechnology involve the ability to see and to control individual atoms and molecules. Everything on Earth is made up of atoms the food we eat, the clothes we wear, the buildings and houses we live in, and our own bodies.

serviceinvoice_(3)1.pdf

Advantages: Nanotechnology is a field of research and innovation concerned with building 'things' generally, materials and devices on the scale of atoms and molecules. A nanometre is one billionth of a metre ten times the diameter of a hydrogen atom.

serviceinvoice1.pdf

Technology Inputs:

Imported Equipment/Spare Parts:

Equipment/Spare Parts	ITC-HS Code	Year
SEM	rtufbnh1	2019-20

Indigenous Equipment/Spare Parts:

Equipment/Spare Parts	ITC-HS Code	Year
Microscope	micras12	2019-20

Imported Raw Materials:

Raw Materials	ITC-HS Code	Year
Scanning Microscope	testcf34	2019-20

Indigenous Raw Materials:

Raw Materials	ITC-HS Code	Year
Electron Gadget	egtvb456	2019-20

Existing R&D Facilities used:

Facilities	ITC-HS Code	Year
TEM	rtfgcv34	2019-20

Preview Page

R&D Investment:

Amount of R&D investment (Rs. in Lakhs):

Indian Source (Rs.)	Foreign Source (Rs.)	Year
34	5	2019- 20

Patents & Publications:

Information about Patents:

Filed Patents (No.)	Granted Patents (No.)	Year
5	2	2019- 20

Information about Publications:

Submitted (No.)	Published (No.)	Year
8	4	2019-20

Commercialization Potential:

Who are the Potential Licensees?

It is at prototype level

What commercially available products address the same problem?

Company	Product	Problem Addressed		
Test Company	Test Product	Covid 19		

Commercialization Potential:

Preview Page

Who are the Potential Licensees?	It is at prototype	e level			
What commercially available products address	Company	Product	Problem Addressed		
the same problem?	Test Company	Test Product	Covid 19		
Would you like to develop this invention further with corporate research support?	Yes				
Would you be interested in participating in cluster based programs for commercialization research or business planning for your invention?	No				

Indigenous Technology Development Plan:

Technologies/raw materials proposed to be indigenized and action plan:

Action Plan (Summary)

Will be submitted later

2020–21

Total Investment to be made on expansion (Rs. in Lakhs):

Indigenous Components (Rs.)	Imported Components (Rs.)	Year
45	4	2020- 21

Submit

Confirmation of Submission

Confirmation of Submission

Technology Product Submission

Thanks for the submission!.

The Unique code for your submission: TP19768914415.

Date of Submission: 27-5-2020, Submitted by I-STEM Team Head