Theme III of RUSA
Innovation and Technology Transfer

Under Rashtriya Uchchatar Shiksha Abhiyan, the Government of India through MHRD and the State Government of Maharashtra are committed to enhance Technology Development and Transfer activities in the State.

Under component 8 of RUSA, Maharashtra's Research and Innovation proposal for 'Establishing Innovation and Technology Transfer Centers in Maharashtra' has been approved for Rs. 20 crore. Of this, Rs. 6 crore has already been disbursed to the participating universities.

As a next step**, an Expert Committee from RUSA Maharashtra will visit the concerned Universities** to:

(i) Identify potential projects or products that can be piloted and supported through the proposed innovation hubs

(ii) Build a network of willing individuals and experts at the State Universities to take these pilot projects to their logical completion

Schedule of visits:

Table 1: Schedule of University visits

No.	University	Date of Visit
1	NMU, Jalgaon	25th April 2016
2	BAMU, Aurangabad	26th April 2016
3	SRTMU, Nanded	27th April 2016
4	RTMNU, Nagpur	30th April 2016
5	SPPU, Pune	2nd May 2016
6	Solapur University	3rd May 2016
7	Shivaji University, Kolhapur	4th May 2016
8	ICT, Mumbai	To be decided
9	Mumbai University	To be decided

Steps to be completed by the University before the Expert Committee's visit:

Each of the above Universities is expected to shortlist **four products / processes** to be presented to the Expert Committee.

a. The products / processes will be from the focus areas as in the proposal approved by GoI (refer to Table no. 2 in this document).

b. From all the products / processes received, the University must shortlist four, preferably through a committee consisting of internal and external members.

c. A copy of such committee's report should be made available to the visiting RUSA Expert Committee in advance of the visit.

Table 2: Focus areas for projects, University wise

No.	University	Focus Area
1	Dr. B.A.M. University, Aurangabad	Signal Processing; Sensors Conducting Polymer; Electrochemical/ solid state sensors; Human-machine interface; DNA barcoding technology
2	S.R.T. University, Nanded	Medicinal plants; Synthesis; Pharmacy; Nanotechnology; Biosensor, Bioinstrumentation
3	North Maharashtra University, Jalgaon	Metal oxide semiconductors Devices; Conducting Polymers;
4	R. T. M. Nagpur University, Nagpur	Bioactive compounds from plants; Impurity profile of drugs; Information Technology
5	Savitribai Phule Pune University, Pune	Secured Biometrics and Reconfigurable Computing VLSI Design and Manufacturing
6	Solapur University, Solapur	Incubation Hub
7	Shivaji University, Kolhapur	Pharmaceutical technology; Green Chemistry
8	Institute of Chemical Technology, Mumbai	Process Intensification; Pharmaceutical Drug Delivery Systems; Scale up and translation of research
9	Mumbai University	Nano Technology

During the visit:

1. The Expert Committee will comprise of five members.
2. Each University shall present maximum four products / processes for consideration for support under Innovation and Technology Transfer.
3. The RUSA Expert Committee will select a maximum of two projects (products / processes) per University in the first phase of the program.
    a. If the team completes the project(s) in time, the University can request support for the next set of projects.
    b. However, if none of the projects presented is found to be of sound potential by the Expert Committee, then no project will be selected from that University in the pilot phase. Hence, Universities are strongly encouraged to carry out proper due diligence before the projects are presented to the Expert Committee.
    c. If necessary, networking will be suggested to the team members for sharing the facilities or bringing additional teams of required expertise on the board.
4. The Expert Committee will visit the University research / laboratory / workshop facilities which can later be designated as a satellite facility for the Innovation Centers.

Presentation guidelines:

1. Each presentation will be of 10 mins, followed by another 10-15 mins for discussion. The presentation, therefore, must be crisp and to the point.
2. The presentation must identify each step to make the product possible in the project. The corresponding project plan, timelines and financial management must be clear in the presentation.
3. For every project presented, both the PI and co-PI should be present. A brief profile of these key team members showcasing their expertise relevant to the proposed project could be presented to the Expert Committee.
4. Also if the team has sought any consultation or feedback from local industry on their product / process, then such local industry expert should also be present during the presentation.

Project evaluation guidelines:

1. The project evaluation will be based on novelty in the proposal, thoroughness of work done, state of completion of bench work, market search, patent search, and scale of operation, commercial potential and ability of the team leader to deliver as demonstrated earlier.
2. The participation of Industry will be optional but will be added advantage if the industry is ready to support the project, either in kind or financially, and is willing to implement the outcome of the project. However, the team must have discussed the potential with industries.
3. The product/process should have direct applicability either in Industry or Society or will lead to economic prosperity of the State.
4. Research projects will not be supported under this scheme. However, prototype-building based on research already conducted in University laboratory will be encouraged.
5. Purchase of equipment will be discouraged under the theme. Components for building prototype(s) as products, however, can be purchased. At no time, the cost of the components shall be greater than the cost of final product.
6. If selected, the projects shall be monitored closely by the Expert Committee on regular basis. The University will put in every effort to make the project successful and it should be visible in terms of extending all supporting ecosystem to the team.
7. All selected projects will be evaluated at the end of 3 months to determine progress.

Information for the Innovation and Technology Transfer Projects and Evaluation

(This is an indicative list. The Expert Committee may consider additional points for evaluation as per the proposal)

1	Name of the Faculty Member		**Total Points**
2	Innovation		/10
2.1	Status of Innovation-*(Concept, Design, Laboratory, Prototype, Testing, Ready, Scale-up, Final)*		/10
	Novelty/ Uniqueness		/10
3.	Status of Patent Search		/10
4.	Status of Market Research- Volume (*Number, Expected cost, target customers*)		/10
5.	Use of any background IP from other sources		/10
6	Assistance required for taking innovation to completion- from other Institutes (*Workshop/ Fab Facilities/ Pilot Plant/ Scale-up/ Technology Transfer*) (If yes, their partners must be present and agree to share the facilities)		/10
7	Expertise/capacity of partners		/10
8	Expected project time lines to complete project		/10
9	Self-defined Key Performance Indicators (KPIs) as per timelines of the proposal		/10
10	Expected cost of product		
11	Expected scale of operation		
12	Expected cost of Human Resources		
13	Final users of Technology/ Product/ process/ service		
13	Industry Participation and Extent of support from Industry in cash or kind		/20
14	Short-listing at the University level		/10