

International Centre for Research Facilitation and Training (ICRFT)
Conference on Industry Academia R&D Ecosystem
Anna University, Chennai – 600 025

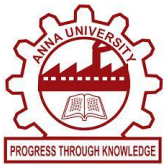
**Venue: National Centre for Sustainable Coastal Management (NCSCM),
(Near Dept. of Mining Engineering)**

PROGRAM SCHEDULE

INAUGURAL SESSION
26 February, 2018; 09.30 – 11.00 Hrs

Registration: 8.30 AM –09.30AM

09:30 Hrs	Prayer (Tamil Thai Valthu)	
09.35-9.45 Hrs	Welcome Address	Dr.S. Ganesan Registrar Anna University
09.45-09:55 Hrs	About the Program	Dr. J .Kumar Director Planning & Development Anna University.
09.55–10.15Hrs	Presidential Address	Shri. S. K. Nayak Director (Technical) Heavy Water Board Govt. of India
10.15–10.40Hrs	Inaugural Address	Prof. Ravindra Gettu Associate Dean Industrial Consultancy and Sponsored Research (IC & SR) Indian Institute of Technology Madras
10.40-10.50 Hrs	Vote of thanks	Dr. N. Rajendran, Director Center for International Affairs Anna University
10.50-11.00 Hrs	Networking Tea/Coffee	



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PANEL DISCUSSION 1

26 February, 2018; 11.00 – 12.00 Hrs

Panel discussion 1: Role of Government and the Policy frame work on Industry – Academia R&D Ecosystem.

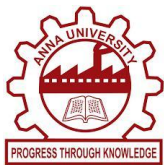
Worldwide and especially developed nation like USA, the Academia performs about 60% of all U.S. basic research and the U.S. universities continue to lead world rankings. On the other hand China and South Korea are investing hugely in R&D spent from the Asian continent which is also supported by Government.

With the Indian government's support, the R&D sector in India is all set to witness some robust growth in the coming years. According to a study by management consulting firm Zinnov, engineering R&D market in India is estimated to grow at a CAGR of 14 per cent to reach US\$ 42 billion by 2020. India is also expected to witness strong growth in its agriculture and pharmaceutical sectors as the government is investing large sums to set up dedicated research centers for R&D in these sectors. The Indian IT industry is also expected to add to the development of the R&D sector.

In this backdrop, we want to revisit the current Indian Policy on 'Industry – Academia R&D Ecosystem' with the current policy and seek enhancement to the policy in the light of progressing it further in creating value to all stakeholders.

A deliberation on "Industry-Academia R&D Ecosystem" in India an evidence based study done under the aegis of Department of Science and Technology, Ministry of Science and Technology, Government of India is arranged to take the next step forward.

11.00-11.05 Hrs	Opening Remarks by the Moderator	Dr. J .Kumar Director, Planning & Development Anna University.
11.05-11.50 Hrs	Remarks by panelist	Dr. R K Joshi, Scientist – D Department of Science and Technology Government of India New Delhi Shri. S. K. Nayak Director (Technical) Heavy Water Board, Govt. of India Dr.Vinod. P. Kumar Technology Leader Manufacturing, Chemical,& Materials Technologies, GE Global Research Dr. R Ezhil Arasan Managing director Dr VRE Research Laboratories Pvt Ltd
11.50-12.00 Hrs	Q&A and Closing Remarks by the Moderator	



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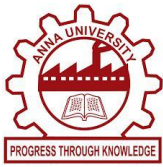
PANEL DISCUSSION 2
26 February 2018; 12.00 – 14.00 Hrs

Panel discussion 2: Creating Process for a sustainable R&D Ecosystem

The current operating environment does not foster an Ecosystem approach to Industry Academia Collaboration. Often it's worked on silos and based on individualistic aspiration of select people rather than a procedural system that brings value to different stakeholders. The issue is, how we can create a R&D Collaborative ecosystem which is scalable and operating nationwide with the right resources like research-oriented talents, lab facility and other equipment availability etc through processes, techniques, methods. Identifying Issues, Challenges and Opportunities to have a meaningful collaborative environment that is sustainable and fast enough to adapt to market changes and challenges.

Also, there are cultural issues with Academia and Industry as the expectations are often different. How this could be solved through process level changes, policy, and legality. What are the pain points of both the parties that need to be identified in this deliberation. Then only, proper procedures can be created for wider application.

12.00-12.05 Hrs	Opening Remarks by the Moderator	Dr. R. Jayavel Director, Centre for Research Anna University
12.05-12.20 Hrs	Special Address	Prof. T. Thyagarajan Director Centre for University Industry Collaboration Anna University
12.20-12.55 Hrs	Remarks by the Panelist	Dr.T. Kalaiselvan , Additional Director , Centre for University Industry Collaboration (CUIC) Dr. K. Subramanian Executive Director, R&D Powergear Ltd. Dr.Chedarampet S. Karthikeyan General Manager – Ventures & Business Development Dow Chemical International
12.55-13.00 Hrs	Q&A and Closing Remarks by the Moderator	
13.00-14.00 Hrs	Networking Lunch	



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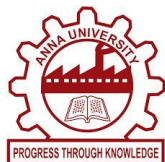
PANEL DISCUSSION 3
26 February 2018; 14.00 – 15.30 Hrs

Panel discussion 3: How digitally automated and integrated technology can help in creating a Value based R&D Ecosystem

Once we have best processes, policies and procedures defined for Industry Academia R&D Eco system, with the advancement and widespread usage of Digital technology, it is a must to have a platform that is integrated, cloud based for wider easy to use approach, enforcing such policies for collaboration to create value among different stakeholders.

The main objective is to create a process driven system, which will integrate different stakeholders in one common platform where collaborative efforts could be achieved to add value to each stakeholder in real time.

14.00-14.10 Hrs	Opening Remarks by the Moderator	Dr. T. V. Geetha Director, Academic Course Anna University
14.15-15.10 Hrs	Remarks by the Panelists	Dr. Velraj Director, Institute for Energy Studies (Academia), Anna University Mr. Senthil Kumar Founder, Director , MyPad Mr.S. Santhospillai Co Founder Nvron Life Science Dr. S. Chitrakala Associate Professor Department of Computer Science and Engineering, Anna University
15.10-15.15 Hrs	Q&A and Closing Remarks by the Moderator	
15.15-15.30 Hrs	Networking Tea/Coffee	



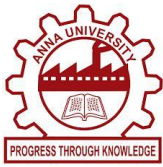
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PANEL DISCUSSION 4
26 February, 2018; 15.30 – 17.05 Hrs

Panel discussion 4: From Publication, Patents, and Products & Services to Entrepreneurship

India is ranking high on the Publication perspective but lagging on number of Patents and market oriented products or services. It is high time to rise ourselves to not only a publication warehouse but to a powerful market oriented products and services development in line with Industry requirement to monetize the Value generated.

15.30-15.35 Hrs	Opening Remarks by the Moderator	Dr. M. Kantha Babu The Director Centre for Intellectual Property Rights (CIPR) , Anna University
15.35-15.55 Hrs	Special Address	Dr. C.N. Shasidhara Head & Deputy Controller of Patent & Design Patent Office, Guindy, Chennai -600 032
15.55-16.50 Hrs	Remarks by the Panelists	Dr.P. Sriram Chairman Chennai Institute of Technology Kundrathur, Chennai -600069 Dr.K. Ramakrishnan Secretary M.Kumarasamy College of Engineering Karur Mr. Sujan Sekhar (Industry Publications) Market & Business Dev Manager ACS Publications International, Bangalore
16.50-17.00 Hrs	Q&A and Closing Remarks by the Moderator	
17.00-17.05 Hrs	National Anthem	
17.05Hrs	Networking Tea/Coffee	



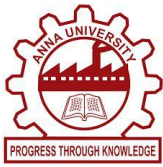
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PANEL DISCUSSION 5
27 February, 2018; 09.30 – 11.45 Hrs

Panel discussion 5: Interdisciplinary and multidisciplinary Collaboration using R&D Ecosystem

As Knowledge base and technology is converging to keep the Innovation progressing, interdisciplinary, cross disciplinary and multidisciplinary knowledge or collaborating with those who have such specialized knowledge base like some other institutions, other department, Specialized knowledge resources across the world are the need of the hour. Instead of depending on the traditional way of sourcing knowledge-based resources for research collaboration, we deliberate on alternate methods, approaches, issues, challenges in making a successful collaboration.

09.30 Hrs		Prayer
09.35-09.40 Hrs	Opening Remarks by the Moderator	Dr. S. Thamarai Selvi Director Centre for Technology Development and Transfer(CTDT) , Anna University
09.40-11.20 Hrs	Remarks by the Panelists	Dr.Karthik Srinivasan Vitreo retinal Services, Aravind Eye Care System, Chennai 600077 Dr.Pankaj Aggarwal Institute of Wood Science & Technology Indian Council of Forestry Research & Education Bangalore Dr.Madhavi Ganesan Associate Professor, Centre for Water Resources, Anna University Dr.G Sugumar Dean, TN Fisheries and Research Institute, Thoothukudi. Dr. T. Balasubramanian Registrar Tamil Nadu Dr. M.G.R. Medical University
11.20-11.30 Hrs	Q&A and Closing Remarks by the Moderator	
11.30-11.45 Hrs	Networking Tea/Coffee	



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PANEL DISCUSSION 6
27 February 2018; 11.45 – 14.00 Hrs

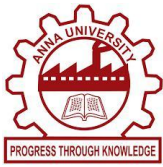
Panel discussion 6: Funding the R&D Ecosystem: Angel Funding, Venture Funding, Debt funding and other forms of financing research oriented projects.

Research & Development takes not only substantial human resources, which the Academia can provide but it also needs support from Industry who is willing to take such concept/ idea to market from the beginning. If the Industry is not willing to support financially in the beginning but makes an agreement that if the concept is developed it can adopt such inventions then we need other players like Financial Institutions, Angel funding, Ventures Funding and other types of funding.

This session brings people from the financial side that will bring their expertise in risk sharing, risk management, financial viability and fund such idea / concept from the beginning, also to help monetize in a practical way.

We also deliberate on the issues, risks, ideas on how we face challenges and from different stakeholder perspective like Academia, Industry, Financial Institutions and other Private Equity, Angel, Venture funding experts.

11.45-11.50 Hrs	Opening Remarks by the Moderator	Dr. S. Ravikumar Director Centre for Entrepreneurship Development, Anna University
11.50-12.50 Hrs	Remarks by the Panelists	Dr. Meeakshisundaram Director Food Technology Anna University Mr. Senthil Kumar Founder, Director , MyPad Ms. Arthi Ramasubramanian Senior Investment Manager, GrayMatters Capital India
12.50-13.00 Hrs	Q&A and Closing Remarks by the Moderator	
13.00-14.00 Hrs	Networking Lunch	



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PANEL DISCUSSION 7

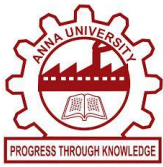
27 February, 2018; 14.00 – 15.30 Hrs

Panel discussion 7: Industry-Academia Collaboration: Bridging the Gap for the Benefit of Society

This session brings the outcome of Industry Academia Collaboration thus benefitting the Society. However, there are cultural and other issues or gaps between Academia and Industry which we want to identify and bridge it to create synergy so that “Value by Collaboration” is created and benefitting the society.

In essence we will discuss about how research collaboration between Industry and Academia is societal centric and in the process it should benefit all stakeholders involved.

14.00-14.10 Hrs	Opening Remarks by the Moderator	Dr. A. Rajadurai Dean, Madras Institute of Technology, Anna University.
14.10-14.25 Hrs	Special Address	Dr. S .Suresh Managing Director Mediscan
14.25-15.05Hrs	Remarks by the Panelists	Dr. Mohan , Head , Mechanical Engineering Mr. S. Srinivasan AIMO Past Chairman – Tamilnadu Chapter Dr.A.Selvaraj Industrialist, Former Industry Association President, Advisor, University Industry Collaboration Center, Madurai Kamaraj University
15.05-15.15 Hrs	Q&A and Closing Remarks by the Moderator	
15.15-15.30 Hrs	Networking Tea/Coffee	



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Valedictory Session
27 February 2018; 15.30 – 16.15 Hrs

Valedictory Session		
15.30-15.35 Hrs	Welcome	Prof. T. Thyagarajan Director Centre for University Industry Collaboration Anna University
15.35-15.45 Hrs	Presidential Address	Prof. S. Ganesan Registrar, Anna University
15.45-16.00 Hrs	Valedictory Address	Dr. B. Chandrasekar Director, CLRI
16.00-16.10 Hrs	Vote of thanks	Prof. M. Kanthababu Director (CIPR)
16.10-16.15 Hrs	National Anthem	
16.15 Hrs	Networking Tea/Coffee	