



Visvesvaraya PhD Scheme
2nd Workshop for Presentation of RESEARCH Work
Venue : The Satish Dhawan Auditorium, IISc, Bengaluru
20th & 21st ,February 2017 (Monday & Tuesday)

SCHEDULE OF PROGRAMME
Day 1: Monday, February 20, 2017

09:00 HRS.	09:55 HRS.	REGISTRATION of Participants
10:00 HRS		Opening Session
10:00 HRS.	10:05 HRS.	Welcome Address: Prof. Navakanta Bhat, CHAIRPERSON, Centre for Nano Science & Engineering (CeNSE) at IISc - Bengaluru
10:05 HRS.	10:15 HRS.	Introduction to the Programme : Prof. S. V. Raghavan, Chairman Academic Committee, Visvesvaraya PhD Programme, MeitY, Gol
10:15 HRS.	10:25 HRS.	Address by the Chief Guest : Mr. Sanjiv Mittal IAS, Jt. Secretary, MeitY, Gol
10:25 HRS.	10:35 HRS.	Presidential Address : Dr. M.R. Anand IES, MD & CEO, Media Lab Asia & Sr. Economic Adviser, MeitY, Gol
10:35 HRS.	10:45 HRS.	Release of CSI Transactions on ICT : A Compendium of Research Work under Visvesvaraya PhD Scheme
10:45 HRS.	10:55 HRS.	Vote of thanks
10:55 HRS.	11:20 HRS.	TEA BREAK
SCHEDULE OF EVENTS		
11:20 HRS.	11:45 HRS.	Research Presentation : Mr. Sagar G V, IISc, Bengaluru (ITES)
11:45 HRS.	12:45 HRS.	<p>Invited Talk : Prof. Prabuddha Ganguli MHRD IPR Chair, Tezpur University & CEO, Vision-IPR</p> <p>Topic : “Intellectual Property Rights - A Natural Integration with the Innovation Value Chain”</p> <p>Professor Ganguli, a national of India, is presently Advisor of VISION-IPR in Mumbai. He obtained his M.Sc. in Chemistry from the Indian Institute of Technology (Kanpur), Ph.D. in Chemical Physics from the Tata Institute of Fundamental Research, Mumbai, and completed his Post-Doctoral Research in Germany and Canada. He was a Visiting Scientist at the Bhabha Atomic Research Centre in 1981 before joining Hindustan Lever, Ltd. as a Research Scientist.</p> <p>Professor Ganguli is a member of the International Editorial Board of the IPR Journal "World Patent Information" published by Elsevier Science Limited, UK. His book titled Gearing Up for Patents - The Indian Scenario was published by Universities Press (an associate of Orient Longman in India) in January 1998. His second book titled "Intellectual Property Rights - Unleashing the Knowledge Economy" was released on March 28, 2001, the foreword of which was written by Dr. Kamil Idris, Director General of the World Intellectual Property Organization (WIPO).</p>
12:45 HRS.	13:10 HRS.	Ms. Sanghamitra Ghosal, IEST, Shibpur (ESDM)
13:10 HRS.	13:35 HRS.	Mr. Tarakeswar Shaw, IEST, Shibpur (ESDM)

13:35 HRS.	14:30 HRS.	LUNCH BREAK
14:30 HRS	14:55 HRS.	Mr. Hari Hara Suthan C, IIIT Hyderabad, (ESDM)
14:55 HRS.	15:20 HRS.	Mr. Alok Kumar Sinha, IIT Delhi, (ITES)
15:20 HRS.	15:45 HRS.	Mr. Debi Pada Jana, IIT Patna (ESDM)
15:45 HRS.	16:10 HRS.	Mr. Soumya Ranjan Routray, NIT Silchar (ESDM)
16:10 HRS.	16:30 HRS.	TEA BREAK
16:30 HRS.	16:55 HRS.	Mr. Ganesh Ragade, Dr. Babasaheb Ambedkar Marathwada University, (ITES)
16:55 HRS.	17:20 HRS.	Mr. Rohit Gupta, Thapar University (ESDM)
17:20 HRS.	17:45 HRS.	Mr. Nishanth Mehanathan, IISc, Bengaluru (ESDM)
17:45 HRS.	18:10 HRS.	Ms. Shubham Sharma, IISc, Bengaluru (ITES)
18:10 HRS.	18:35 HRS.	Ms. Pallavi Dasgupta, IISc, Bengaluru (ESDM)
18:35 HRS.	19:00 HRS.	Mr. Bharath S, IISc, Bengaluru (ITES)
19:30 HRS.		NETWORKING DINNER Venue : The LAWNS, MAIN GUEST HOUSE, IISc Campus
END OF FIRST DAY PROGRAMME		

SCHEDULE OF PROGRAMME
Day 2: Tuesday, February 21, 2017

SCHEDULE OF EVENTS

09:30 HRS.	9:35 HRS.	Opening Remark : Prof. Sanjiva Prasad, Professor & Coordinator, IT School Department of Computer Science & Engineering, IIT Delhi
09:35 HRS.	10:00 HRS.	Ms. Harshitha S.K., IISc, Bengaluru (ESDM)
10:00 HRS.	10:25 HRS.	Ms. Pratima Chatterjee, IEST, Shibpur (ITES)
10:25 HRS.	10:50 HRS.	Mr. Ramavath Prasad Naik, NIT, Surathkal (ESDM)
10:50 HRS.	11:15 HRS.	Ms. Khushboo Kumari, IISc, Bengaluru (ESDM)
11:15 HRS.	11:40 HRS.	TEA BREAK
11:40 HRS.	12:05 HRS.	Ms. Sangeeta Bhattacharjee, IEST, Shibpur (ESDM)
12:05 HRS.	13:20 HRS.	PANEL DISCUSSION : Chaired by : Prof. S. V. Raghavan Panelists from Industry & Industry Associations
13:20 HRS.	14:20 HRS.	LUNCH BREAK
14:20 HRS.	14:45 HRS.	Ms. Lekshmi Ramesh, IISc, Bengaluru (ITES)
14:45 HRS.	15:10 HRS.	Mr. Neelam Surana, IIT Gandhinagar (ESDM)
15:10 HRS.	15:35 HRS.	Mr. Bhagavatula Shiva Vikram, IISc, Bengaluru (ESDM)
15:35 HRS.	16:00 HRS.	Comments, Observation & Suggestion : RESEARCH GUIDES/NODAL OFFICERS of PhD Programme
16:00 HRS.	16:30 HRS.	HOW DO YOU FEEL Now :- Suggestions & Comments from Research Fellows
16:30 HRS.	16:50 HRS.	TEA BREAK
16:50 HRS.	17:10 HRS.	CONCULDING SESSION & Distribution of Certificates
17:15 HRS.		Programme Ends
END OF SECOND DAY PROGRAMME		



VISVESVARAYA PHD SCHEME FOR ELECTRONICS & IT

Visvesvaraya PhD Scheme

2nd Workshop for Presentation & Evaluation of RESEARCH Work

Venue : The Satish Dhawan Auditorium, IISc, Bengaluru

20th & 21st, February 2017 (Monday & Tuesday)

MAIN EVENTS

Opening Session :

- Welcome Address : **Prof. Navakanta Bhat, CHAIRPERSON, Centre for Nano Science and Engineering (CeNSE), IISc - Bengaluru**
- Introduction to the Programme : **Prof. S. V. Raghavan, Chairman, Academic Committee, Visvesvaraya PhD Programme, MeitY, Gol**
- Address by the Chief Guest : **Mr. Sanjiv Mittal IAS, Jt. Secretary, MeitY, Gol**
- Presidential Address : **Dr. M.R. Anand IES, MD & CEO, Media Lab Asia & Sr. Economic Adviser, MeitY, Gol**

RELEASE OF RESEARCH PUBLICATION of 2014-15 Batch of Visvesvaraya PhD Fellowship (A CSI TRANSACTION ON ICT)

RESEARCH PRESENTATIONS & REVIEWS

INVITED TALK : **Prof. Prabuddha Ganguli**

MHRD IPR Chair, Tezpur University & CEO, Vision-IPR

Intellectual Property Rights -

A Natural Integration with the Innovation Value Chain

About Prof. Ganguli

Professor Ganguli, a national of India, is presently Advisor of VISION-IPR in Mumbai. He obtained his M.Sc. in Chemistry from the Indian Institute of Technology (Kanpur), Ph.D. in Chemical Physics from the Tata Institute of Fundamental Research, Mumbai, and completed his Post-Doctoral Research in Germany and Canada. He was a Visiting Scientist at the Bhabha Atomic Research Centre in 1981 before joining Hindustan Lever, Ltd. as a Research Scientist.

Professor Ganguli is a **member of the International Editorial Board of the IPR Journal "World Patent Information"** published by Elsevier Science Limited, UK. His book titled Gearing Up for Patents - The Indian Scenario was published by Universities Press (an associate of Orient Longman in India) in January 1998. His second book titled "Intellectual Property Rights - Unleashing the Knowledge Economy" was released on March 28, 2001, the foreword of which was written by Dr. Kamil Idris, Director General of the World Intellectual Property Organization (WIPO).

PANEL DISCUSSION :

PANELISTS : Representatives from Industry

PERFORMANCE EVALUATION

SUGGESTIONS, RECOMMENDATIONS & STRATEGIES for future

Visvesvaraya Ph.D. Scheme
Second Workshop
for
Presentation of Research Work

ARRANGEMENTS FOR PICK-UP OF PhD PROGRAMME
PARTICIPANTS FROM IISc. GATES

Dear All,

- Thank you for the confirmation that you shall be attending the Workshop at IISc. during 20th and 21st February, 2017.
- The programme is being scheduled to be held at the **Satish Dhawan Auditorium (SDA), IISc. Campus, Bengaluru: 560 012 (closer to J N Tata Auditorium).**
- The programme on 20th and 21st February, 2017 would start from 09:00 hrs. Since the auditorium is located a little inside, for the benefit of the participants, **Media Lab Asia has arranged two vehicles to be located at two gates of IISc., Bengaluru i.e. one a Tempo Traveler at the Main Gate of IISc and another 7 seater vehicle at the Mariam Gate.** The venue is at 5 to 7 minutes' walk from the Mariam Gate and 15 to 20 minutes' walk from the Main Gate.
- Considering that all of you will be turning up in the morning, the vehicles will make shuttle trips between the Main Gate and the Satish Dhawan Auditorium (SDA) between 07:45 hrs. and 09:15 hrs. During this time, there will be a vehicle at an interval of 15 minutes i.e. 07:45 hrs., 08:00 hrs., 08:15 hrs., 08:30 hrs., 08:45 hrs., 09:00 hrs. and 09:15 hrs.
- **The Tempo Traveler can carry 13 persons and if you turn up on time, you could avail of this facility.**
- **Similarly, a 7 seater vehicle shall be available at the Mariam Gate which shall make trips at an interval of 10 minutes from 07:50 hrs. Onwards. The vehicles will have banners in RED pasted in the front and back of the vehicles saying Visvesvaraya PhD Scheme, Media Lab Asia.**
- Similarly there shall be drop back arrangements after the programme on both the days.

George Arakal
Director (Admin. & Finance)
Media Lab Asia



VISVESVARAYA PHD SCHEME FOR ELECTRONICS & IT

Visvesvaraya PhD Scheme

2nd Workshop for Presentation, Evaluation of RESEARCH Work

Venue : The Satish Dhawan Auditorium, at IISc, Bengaluru

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LIST OF RESEARCH FELLOWS IDENTIFIED FOR PRESENTATION IN THE WORKSHOP ON 20th & 21st, February 2017

S. No.	Research Fellow	Guide	Institution	Research Area
1	Mr. Ganesh Ragade	Prof. Bharti Gawali	Dr. Babasaheb Ambedkar Marathwada University	IT/ITES
2	Mr. BHAGAVATULA SHIVA VIKRAM	Prof. S.K.Selvaraja, Prof. V.R. Supradeepa	IISc. Bengaluru	ESDM
3	Mr. BHARATH S	Prof. A. Chockalingam	IISc. Bengaluru	IT/ITES
4	Ms. HARSHITHA S.K.	Prof. Manoj Varma	IISc. Bengaluru	ESDM
5	Ms. KHUSHBOO KUMARI	Dr. Sushobhan Avasthi	IISc. Bengaluru	ESDM
6	Ms. LEKSHMI RAMESH	Dr. Chandra R. Murthy and Dr. Himanshu Tyagi	IISc. Bengaluru	IT/ITES
7	Mr. NISHANTH MEHANATHAN	Dr. Sushobhan Avasthi	IISc. Bengaluru	ESDM
8	Ms. PALLAVI DASGUPTA	Prof. Navakanta Bhat	IISc. Bengaluru	ESDM
9	Mr. SAGAR G V	Prof. Bharadwaj Amrutur	IISc. Bengaluru	IT/ITES
10	Ms. SHUBHAM SHARMA	Prof. K.V.S. Hari	IISc. Bengaluru	IT/ITES
11	Mr. Alok Kumar Sinha	Dr. Saif Khan Mohammed	IIT Delhi	IT-ITES
12	Ms. Pratima Chatterjee	Dr. PRASUN GHOSAL	Indian Institute of Engineering Science and Technology, Shibpur	IT/ITES
13	Ms. Sangeeta Bhattacharjee	Dr. Tamaghna Acharya	Indian Institute of Engineering Science and Technology, Shibpur	ESDM
14	Ms. Sanghamitra Ghosal	Dr. Partha Bhattacharyya	Indian Institute of Engineering Science and Technology, Shibpur	ESDM
15	Mr. Tarakeswar Shaw	Dr. DEBASIS MITRA	Indian Institute of Engineering Science and Technology, Shibpur	ESDM
16	Mr. Debi Pada Jana	Dr. Sumanta Gupta	Indian Institute of Technology, Patna	ESDM
17	Mr. Neelam Surana	Prof. Joycee Mekie	Indian Institute of Technology, Gandhinagar	ESDM
18	Mr. Hari Hara Suthan C	Dr. PRASAD KRISHNAN	International Institute of Information Technology, Hyderabad	ESDM
19	Mr. Ramavath Prasad Naik	Prof. U. Shripathi Acharya	National Institute of Technology, Karnataka, Surathkal	ESDM
20	Mr. Soumya Ranjan Routray	Dr. TRUTI RANJAN LENKA	National Institute of Technology, Silchar	ESDM
21	Mr. Rohit Gupta	Dr. Ravinder Agarwal	Thapar University	ESDM

- The time slots of the presentation shall be separately displayed on the website later.
- It is expected that all the Research Fellows listed above attend the workshop & presentation with their Guides on both the days.
- The remaining 155 Research Fellows are also required to participate in the entire proceedings on both the days. (I.e. 20-21, February 2017).
- Invitations have been sent out to all Research Fellows by email and through speed post.
- The workshop shall also be attended by AWARDEES OF YOUNG FACULTY RESEARCH FELLOWSHIP.
- For any enquiry/clarification call on :
Ms. Veena /Ms. Pooja / Mr. Ravendra Gupta: (022) 2831 2931/28312930/28324670

Or

PhD Cell, MeitY, New Delhi: (011) 2430 1284 / 2430 1389



Visvesvaraya PhD Scheme

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20th & 21st, February 2017 (Monday & Tuesday)

LIST OF RESEARCH FELLOWS CALLED TO ATTEND THE WORKSHOP ON 20th & 21st, February 2017

Institution	Research Fellows
Anna University	Mr. C. Bhaskar
	Mr. Shyam Sundar .S
	Ms. R. Vanaja
	Ms. Shanmugapriya.R
	Mr. Elgin Christo .V .R
	Ms. S. Sridevi
	Ms. G. Jemima Nissiyah
Ms. Sridarshini . T	
Dr. Babasaheb Ambedkar Marathwada University	Mr. Rajesh Dhumal
Gauhati University	Ms. Jumi Sarmah
IIITDM Jabalpur	Mr. Abhijeet Pathak
	Mr. Bharat Verma
	Mr. Abhinav Sharma
IISc Bengaluru	Ms. ANISHA KALRA
	Mr. ANKIT SONI
	Ms. ARCHANA K
	Mr. ARUN SINGH CHOUHAN
	Mr. HEMANJANEYULU KURUVA
	Ms. K HARITHA
	Ms. KAUMUDI SINGH
	Ms. KRISHNA M
	Mr. MOHAMMADI ZAKI
	Ms. MYNA VAJHA
	Mr. NAGOTHU KARMEEL KRANTHI
	Mr. NIKHIL KRISHNAN M
	Ms. NISHTA ARORA
	Mr. PUSHTIVARDHAN SONI
	Mr. ROHIT K R
	Mr. SAHASRANAND K R
Mr. SANDEEP VURA	
Mr. VIPHRETUO MERE	
IIT BHU Varanasi	Mr. Amit Kumar
	Mr. Ashwini Kumar Mishra
	Mr. Deepak Kumar Jarwal
	Mr. Prabhakar Tripathi
	Mr. Prince Kumar Singh
IIT Delhi	Mr. ABDUL SALEEM MIR
	Mr. Abhishek Dhar
	Ms. Akshita Mishra
	Mr. Avinash Lahgere
	Mr. Bodhibrata Mukhopadhyay
	Mr. Brijesh Chander Pandey
	Mr. Chetan Sudarshan Ralekar
	Mr. Rajib Ratan Ghosh
	Mr. Saptarshi Ghosh
Ms. Sayari Das	
Ms. Shifali Kalra	

	Mr. SHIVRAMAN MUDALIYAR
	Mr. Usham Viviano Dias
	Ms. Vasudha Agrawal
	Mr. Vinay Kaushik
	Mr. Wasi Uddin
	Mr. RISHI KANT SHARMA
IIT Guwahati	Mr. Darpan Mishra
	Mr. MANORANJAN MINZ
	Mr. Pralay Chakrabarty
	Mr. PRATEEK KUMAR SHARMA
IIT, Kanpur	Mr. Manish bhendura
IIT Ropar	Mr. Manoj Yadav
	Mr. Sudhir Kumar Saini
Indian Institute of Engineering Science and Technology, Shibpur	Mr. Anal Paul
	Ms. Anindita Chakraborty
	Mr. ANIRBAN CHAKRABORTY
	Mr. Avik Banerjee
	Mr. SHANKAR BHATTACHARJEE
	Ms. Sharmistha Mondal
	Ms. Supreeti Kamilya
	Mr. Braznev Sarkar
	Mr. MUKESH KUMAR
Indian Institute of Technology ,Patna	Ms. SNEHA KUMARI
	Mr. GAURAV SUNDARAM
Indian Institute of Technology, Bombay	Ms. Kratika Gupta
	Mr. Anand Babu N B
	Mr. Soumya Ranjan Mohapatra
	Mr. Amit Goyal
	Ms. Astha Tyagi
	Mr. Makarand M Kane
	Mr. Nirmal Kumar Boran
	Mr. T M Feroz Ali
	Mr. Thakar Kartikey Mayurbhai
	Mr. Rahul Mitra
Indian Institute of Technology, Gandhinagar	Mr. CHANDAN KUMAR JHA
	Mr. Chandan Kumar Jha
	Mr. Indra Deep Mastan
	Mr. Sujata Sinha
Indian Institute of Technology, Hyderabad	Mr. MADISETTY SREEKANTH
	Mr. RAJESH KUMAR PANDEY
	Mr. Akhil S
	Mr. D Santhosh Reddy
	Ms. GAYATHRI P K
	Mr. JITHIN MATHEWS
	Mr. P Ravi Teja Reddy
	Mr. Pranay Agarwal
	Ms. PRIYA MEHTA
	Ms. SAILAJA RAJANALA
	Mr. Sankatali Venkateswarlu
	Mr. Sayyed shafivulla
	Ms. SHALINI JAIN
	Mr. SRI MUKTIKANTA SA
	Mr. Shashwat Kumar
	Mr. G SRIHARSA VARDAN
Indian Institute of Technology, Jodhpur	Ms. Divya Sharma
Indian Institute of Technology, Mandi	Mr. Rayees Ahmad Dar
	Ms. Prabhjot Kaur
Indraprastha Institute of Information Technology, Delhi	Ms. Neha Jain
	Mr. Dinesh Rano
International Institute of Information Technology, Hyderabad	Mr. Aditya Arun
Malaviya National Institute of Technology, Jaipur	Mr. Muquaddar Ali
	Ms. VINOD KUMARI
	Mr. Gaurav Sharma
	Ms. Garima Singh
	Mr. Naveen Kumar Gupta

MNNIT Allahabad	Mr. Yashu Swami
	Mr. Avaneesh Kumar Dubey
	Mr. Neelam Dwivedi
	Mr. Pratosh Kumar Pal
	Mr. Satya Deo Kumar Ram
National Institute of Technology, Karnataka, Surathkal	Ms. Apurva Kittur
	Mr. Khyamling
	Mr. Manjunath Mulimani
	Mr. Manjunatha
	Mr. Hanumantha Rao Gottam
	Mr. Sreenivasulu Polineni
	Mr. Marimuthu C
	Mr. Santhanam Raghavan
Mr. D Venkata Naga Siva Kumar	
National Institute of Technology, Meghalaya	Mr. Bernard Nongpoh
	Mr. Phrangboklang Lyngton Thangkiew
National Institute of Technology, Silchar	Ms. Arpita Dutta
	Mr. Himant Basumatary
	Mr. Manir Ahmed
	Mr. Neeraj kumar Singh
	Mr. Piyush Kant
	Ms. Songhita Misra
	Mr. Abhishek Majumdar
Mr. Rajesh Saha	
NIT, Goa	Mr. Naveen N.
	Mr. Mainak Biswas
NIT, Rourkela	Mr. Manas Rakshit
	Mr. Kappala Vinod Kiran
	Mr. Venkata Udaya Sameer B
	Mr. Suraj Prakash Sahoo
	Ms. Rama Syamala Sreepada
	Mr. Suchintan Mishra
Punjab Engineering college	Mr. Jaspal Kaur Saini
	Mr. Shashank
Sardar Vallabhbhai National Institute of Technology, Surat	Mr. Shivanshu Mehta
	Mr. Dinesh Ramkrushna Rotake
	Mr. Dhuda Hirenkumar V
Shri. Ramdeobaba College of Engineering and Management	Mr. Hrushikesh Zadgaonkar
SNDT Women University, Mumbai	Ms. Neha Ajit Kushe
Thapar Universit	Mr. Anoop partap singh
Vellore Institute of Technology, Tamil Nadu	Ms. Latha.R
	Ms. PUNITHAVATHI P.
	Ms. B.S.Kiruthika Devi

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Or
PhD Cell, MeitY, New Delhi: (011) 2430 1284 / 2430 1389



**AREAS OF RESEARCH ABSTRACTS RECEIVED FOR CONSIDERATION FOR THE WORKSHOP BEING
HELD DURING 20-21 FEBRUARY, 2017
AT SATISH DHAWAN AUDITORIUM IISc, Bengaluru**

Area: ESDM

- Antenna
- Biocomputing
- Bio Sensors
- Chip Design
- Control System
- Energy Harvesting
- High Power
Microwaves
- Image Processing
- Large Area
Electronics
- Microwave Devices
- Microwave
Engineering
- Nanoelectronics
- Optical
Communication
- Opto-Electronics
- Photonics
- Photovoltaics
- Power Electronics
- Power Systems
- Quantum Electronics
- Radiation Hardening
- Robotics
- Semiconductors
- Sensors
- Wearable Devices

Area: IT/ITES

- Approximate
Computing
- Artificial Intelligence
- Natural Language
Processing
- Augmented Reality
- Big Data
- Biomedical
- Computer Networks
- Biometric
- Cellular Automata
- Cloud Computing
- Cognitive Radio
- Compilers
- Computer Networks
- Computer Vision
- Cryptography
- Data Mining
- E-learning
- Energy Harvesting &
Energy Management,
- Biometric
- Computer
Architecture &
Distributed Storage
- Fog Computing
- GIS
- Information Security
- Information Theory
- Internet of Things
- Logic Design
- Machine Learning
- Signal Processing
- Theoretical Computer
Science
- Wireless
Communication