

COLLABORATIONS AND ACTIVITIES (AY 2020-21)

1. International Webinar Series, July 2020



Vishwakarma Institute of Information Technology, Pune

International Speaker Webinar Series

Distinguished Speakers

**Prof. Dr.
Mohammad T.
Khasawneh**



State University of
New York at
Binghamton

6th July
5:30 pm

**Prof. Dr. Hiroki
Sayama**



State University of
New York at
Binghamton

7th July
5:30 pm

**Dr. Ana Filipa
Ferreira da Silva
Cigarro Matos**



University of Lisbon,
Portugal

8th July
12:30 pm

**Mohamed
Rawidean Mohd
Kassim**



MIMOS, Ministry of
International Trade
and Industry,
Malaysia.

8th July
5:30 pm

**Prof. Dr. Suresh
Borkar**



ECE Department,
Illinois Institute of
Technology, Chicago

9th July
5:00 pm

**Rupali
Deshpande**



Medical Instruments
Business Manager

10th July
9:00 am

Sam Madgulkar



Senior designer
Glenbrook Design,
Canada 1-409-918-3240

11th July
9:00 am

COLLABORATIONS AND ACTIVITIES (AY 2020-21)



GUEST LECTURES (A Y 2020-21)

1	Pursuing Masters Degree Program in the USA	Sri Kumar Panyam, Director India Operations	Illinois Institute of Technology, USA	28 Aug 2020
2	Systems Science Graduate Program Information Session	Dr. Hiroki Sayama, Professor, System Science Department	SUNY Binghamton University, USA	23 Oct 2020
3	Introduction to the College of Science, Technology, Engineering, and Mathematics	Dr. Lawrence Whitman, Dean of CSTEM	UALR , Arkansas, USA	19 Mar 2021
4	Visa Process Services offered to International Students	Dr. Tugrul Polat, Director of International Students Services	UALR, Arkansas, USA	19 Mar 2021
5	Opportunities for Graduate Studies, and Research Internship	Dr. Seshadri Mohan, Professor, Systems Engineering Department	UALR, Arkansas, USA	19 Mar 2021

GUEST LECTURES (Continued..)

(A Y 2020-21)

6	Higher Education Overseas- Opportunities & Preparation	Dr. Sachin Shendokar, Research Assistant	Joint School of Nanoscience & Nanoengineering	19 Mar 2021
7		Mr. Abhay Das, CEO	Ashiraj Overseas	20 Mar2021
8		Mr. Gaurav Pawar, Manufacturing Engineer	Siemens, UK	
9		Ms. Prachi Patil, Co- Founder , SUZU Agro	SUZE Agro, USA	
10	How Harvard Business School Online Helps you #StayRelevant	Dr. Samir Karkhanis , CEO & Founder	Yangpoo Education	29 May 2021

KEY NOTE SPEAKERS FOR VISHWACON 2021 (A Y 2020-21)

1. Dr. Karel Sterckx, Director, BUCROCCS, **Bangkok University**
2. Dr. Abhijeet Dasgupta, Director, Graduate Studies **Maryland Energy Innovation**
3. Dr. Mohamed Rawidean Mohd Kassim , Dean, **MIMOS, Malaysia**
4. Dr. Cem Avsar, Managing Director, **bsSpace GmbH, Tech University, Berlin , Germany**
5. Mr. Vibhav Pavnaskar , **Mircochip, Ireland**

RESEARCH INTERNSHIPS & PROJECTS (A Y 2020-21)

Organization: IEEE P 1931 SIG USA

Mentor from IEEE: Mr. Nishant Krishna, Researcher, Cognitive Computing, IEEE P 1931 SIG

Project Details: Implement the standardized architecture for ROOF
(Real Time Onsite Operation Facilitation)

Duration : Dec 2022 till 2024

Number of Students : 40

Mentors from VIIT: Dr. Vivek Deshpande , Mr. Nitin Sakhare

Outcomes:

1. Joint research paper publications, Internship and project for upcoming batch
2. Received EDGE Computing device from LENOVO, USA for experimentation purposes.
3. The said infrastructure will also be utilized for industries - Elliot systems, Pune, and Energy Optimization of Data Centers for ComfNet Solutions GmbH, Germany.

RESEARCH INTERNSHIPS & PROJECTS (A Y 2020-21)

University: San Jose State University, USA

Mentor from SJSU : Dr. Rakesh Ranjan, Adjunct Professor ,SJSU

Director of Innovation at IBM Clouds Integration, CA

Consultant : Makonis.ai

Project Details: 1. Camelot – AI Based Campaign generation 2. AI Valuator

Duration : Jan 2021- June 2021

Number of Students : 8

Mentor from VIIT: Mrs. Devika Verma

Outcomes:

1. This collaboration laid a foundation for MoU with SJSU and Makonis.ai
2. Joint research paper publications
3. Internship and project opportunity for upcoming batch

RESEARCH INTERNSHIPS & PROJECTS (A Y 2020-21)

Organization: CleverInsight Inc , USA

Mentor from CleverInsight:

Project Details: "Drug Repurposing" which majorly aimed at data preprocessing required for identification of breast cancer patients alongwith categorizing patients at early or later stage of cancer.

Duration : Sep 2020- Jan 2021

Number of Students : 7

Mentors from VIIT: Dr. Laxmi Bewoor, Dr.Shradha Habbu, Mrs. Suruchi Dedgaonkar

Outcomes:

1. Students completed PoC required for drug discovery and got an appreciation letter.
2. This collaboration laid a foundation for MoU
3. The Company showed their interest to develop CoE for AI & DS dept.
4. Collaboration currently progressing towards active participation in IAB, curriculum design , internship and project opportunities.

RESEARCH INTERNSHIPS & PROJECTS (A Y 2020-21)

Institute: TRIUMF, Canada

Mentor from TRIUMF: Dr. Akira Konka

Project Details: Water Cherenkov Test Experiment (WCTE)

CERN Swiss and HYPER K Japan are extension projects

Duration & Number of Students: Nov 2019- Dec 20 – 1 student (Can\$1800)

March 2020- May 2021 - 1 student

August 2020 – April 2021 - 5 students

Mentors from VIIT : Dr. C S Garde, Dr. S S Chinchankar, Dr. S G Joshi, Dr. A P Kulkarni, Dr. A R Mache

Outcomes:

1. Joint Research Publications
2. Niranjana Deshmukh and Kiran Magar were selected for working at TRIUMF, Canada. Niranjana worked with TRIUMF from India and Kiran was given an alternative project in TIFR, Mumbai.
3. Several students have been selected for working in collaboration with TRIUMF, Canada for the AY 2021-2022.

RESEARCH INTERNSHIPS & PROJECTS (A Y 2020-21)

Institute: Brookhaven National Laboratory (BNL), USA

Project Details: Deep Underground Neutrino Experiment (DUNE)

Duration : Feb 2021 – Jan 2022

Number of Students : 1

Monthly Pay: 1500 USD

Mentor from VIIT: Dr. C S Garde, Mrs. Minal Deshmukh

Outcome:

1. Joint Paper Publication
2. Project and Internship for upcoming batch

RESEARCH INTERNSHIPS & PROJECTS (A Y 2020-21)

Company : Shapoorji Pallanji , Dubai, UAE

Company Mentor: Josephine Velasco

Duration : Feb 2021 – June 2021

Number of Students : 1

Faculty mentor - Mrs. S. L. Gore

Company : MAXCAD CONSULTING ENGINEERS LTD , Kenya

Company Mentor : Eng. Mordecai Kere Omenda

Duration : Jan 2021 – June 2021

Number of Students : 1

Faculty mentor - Mr. A. F. Deokar

Outcomes:

1. Exposure to the industrial environment
2. Develop understanding about the social, economic and administrative considerations that influence the working environment of industrial organizations
3. Exposure to the engineer's responsibilities and ethics
4. Student got job opportunity in the SP, Dubai

PATENTS (A Y 2020-21)

Sr. No.	Title	Inventors	Patent Type	Application No.	Department	Date of File
1	A System For Playzone Slot Booking And Security Using Python And Automation React	Chitre, Abhijit Vijaykumar ; Raut, Ketan Janraoji	Australian	2021101763	ETC	4/6/2021
2	A System For Super Resolution Using Deep Learning	Dandawate, Yogesh Haribhau ; Jadhav, Tushar Ramhari	Australian	2021101762	ETC	4/6/2021
3	A System For Anomaly Detection In Signal And Visualization	Raut, Ketan Janraoji ; Chitre, Abhijit Vijaykumar	Australian	2021101764	ETC	4/6/2021
4	A System For Atm User Interface Evaluation	Kulkarni, Saroja Mangesh ; Patil, Swati Bula	Australian	2021101850	IT	4/11/2021
5	A Deep Learning Based System For Automatic Segmentation And Quantification Of Covid-19 In CT Images	Patil, Swati Bula ; Pandit, Dipti Pratik	Australian	2021101851	IT	4/12/2021
6	A System For Soil Quality Analysis	Pawar, Suvarna Eknath	Australian	2021101887	IT	4/13/2021
7	System And Method For Corrosion Prediction In Oil And Gas Pipeline	Pawar, Suvarna Eknath	Australian	2021101888	IT	4/13/2021

FUNDINGS

(A Y 2020-21)

1. German Corporation for International Cooperation (GiZ) has provided financial support of 4.14L to VIIT in form of sponsorship for STAR Hackathon.
2. Joint research proposal under MiCall20 through DST (Submitted)
Cost: 3.2 Cr
Joint Proposal with: Comfnet, Germany and IIT Patna
Faculty members: Dr. V S Deshpande, Dr. R G Purandhare, Dr. A K Ratnaparkhi
3. Research Promotion Scheme (RPS) – AICTE (Submitted)
Cost : 27 L
Principal Investigator : Dr.Suvarna Pawar, IT Department
Co-PI : 1. Dr. Mohamed Rawidean Mohd Kassim, Dean , Malaysian Institute of
Microelectronic Systems, the Ministry of Science, Technology and Innovation
Malaysia.
2. Dr.Pravin Futane, IT Department

JOINT RESEARCH and INVITED SPEAKER (A Y 2020-21)

- **Dr. Preeti Kulkarni, Dr. Srinivas Londhe, Dr. Pradnya Dixit** collaborated with Dr. Anna Silva and Dr. Breto of **University of Portugal, Lisbon** in 2019 for a research project and published an article as outcome for their research in Journal of Building Engineering in Jan 2021 which is a highly reputed journal with a very high Impact factor.
- **Prof. Nitin Sakhare** visited **Bangladesh Digital University, Dhaka** for delivering the session series on "Internet of Things: Technologies and Products" from 2nd February 2020 to 11th February 2020.
- Session Speaker at "A Hands-On Session on "Configuration of Networking Devices Using Cisco Packet Tracer" on 5 November 2020



BoS , IAB Members , Curriculum and Course Design (AY 2020-21)

Dr. Irshad Rampersad, AUAS, Amsterdam	BoS member, Computer Engineering
Mr. Pranav Barlota, Wipro , CA	BoS member, AI & DS
Ms. Rupali Deshpane, NVIDIA , San Francisco	BoS member, AI & DS
Mr. Robin Bastin & Kothandaraman Sridharan , CleverInsight Inc, USA	IAB members AI & DS
Dr. Vijay , Curtin University, Dubai	BoS member, Mechanical Engineering

VIIT PARTNER UNIVERSITIES

