

REPORT
ON
One Day International Webinar on

**Technologies for Processing Safe Foods,
Entrepreneurial Prospects and Ministry Support:
Sufficing the Demands of the Food Industry**



Organized by

Rajiv Gandhi University

Rono Hills, Doimukh, Arunachal Pradesh, India

In collaboration with

**National Institute of Food Technology
Entrepreneurship and Management**

(NIFTEM)

Sonepat, Haryana, India

19th July, 2021

Acknowledgments

We are extremely grateful to Prof. Saket Kushwaha, Hon'ble Vice-Chancellor, Rajiv Gandhi University for his persistent encouragement and support for smooth conduct of this webinar.

We would like to convey our deepest gratitude to Prof. Amitava Mitra, the Pro Vice-Chancellor of the university, and Dr. N.T. Rikam, the Registrar of the university for the tireless commitment and support to the event.

We feel privileged to host the learned dignitaries, **Prof. Kevin M. Keener** Barrett Family Foundation Chair in Sustainable Food Engineering, University of Guelph, Canada, **Prof. Ashutosh Upadhyay** National Institute of Food Technology Entrepreneurship and Management (NIFTEM), Sonapat, Haryana. And **Dr. Chindi Vasudevappa**, Vice Chancellor National Institute of Food Technology Entrepreneurship and Management, (NIFTEM). We also thank them for their commitment to collaborate with NIFTEM.

We are humbled by the presence of the learned faculty members of RGU and other universities of the nation, young research scholars from the university and beyond, budding entrepreneurs, and of those who have directly or indirectly contributed to the grand success of the program.

Thank you all.

Webinar Organizing Committee

Organizing Committee

- **Chief Patron:** Prof. Saket Kushwaha, Honorable Vice-Chancellor, Rajiv Gandhi University.
- **Patrons:**
 - a. Prof. Amitava Mitra, Pro Vice-Chancellor, Rajiv Gandhi University.
 - b. Dr. N.T. Rikam, Registrar, Rajiv Gandhi University.
 - c. Dr. Chindi Vasudevappa, Vice Chancellor, National Institute of Food Technology Entrepreneurship and Management, (NIFTEM).
- **Keynote Speakers:**
 - a. Prof. Kevin M. Keener, Barrett Family Foundation Chair in Sustainable Food Engineering, University of Guelph, Canada.
 - b. Prof. Ashutosh Upadhyay , National Institute of Food Technology Entrepreneurship and Management (NIFTEM), Sonapat Haryana
- **Chairman:** Prof. Sumpam Tangjang, Dean, F/O Life Sciences & Agricultural Sciences, Coordinator, Department of Agriculture Sciences & Food Technology, Rajiv Gandhi University.
- **Convenors:**
 - a. Dr. Nikhil Kumar Mahnot, Assistant Professor, Dept. of Food Technology, RGU.
 - b. Dr. Deependra Rajoriya, Assistant Professor, Dept. of Food Technology, RGU.
- **Members:**
 - a. Dr. RejaulHoque Bepary, Guest Faculty, Department of Food Technology, RGU
 - b. Dr. Duyi Samyor, Guest Faculty, Department of Food Technology, RGU

Program Schedule

Time IST & EDT	Agenda	Speakers
06:00 PM (IST) 08:30 AM (EDT)	National Anthem	
06:01 PM- 06:05 PM (IST) 08:31 AM- 08:35 AM (EDT)	Welcome Address and Programme Briefing	Prof. Sumpam Tangiang Co-ordinator & Dean, Faculty of Agricultural Sciences, RGU
06:06 PM- 06:10 PM (IST) 08:36 AM- 08:40 AM (EDT)	Address by The Registrar	Dr. N T Rikam Registrar, RGU
06:11 PM- 06:15 PM (IST) 08:41 AM- 08:45 AM (EDT)	Address by The Pro-Vice Chancellor	Prof. Amitava Mitra Pro-Vice Chancellor, RGU
06:16 PM- 06:25 PM (IST) 08:46 AM- 08:55 AM (EDT)	Address by The Vice Chancellor NIFTEM	Dr. Chindi Vasudevappa Vice Chancellor National Institute of Food Technology Entrepreneurship and Management, (NIFTEM)
06:26 PM- 06:35 PM (IST) 08:56 AM- 09:05 AM (EDT)	Address by The Chief Patron	Prof. Saket Kushwaha Vice Chancellor Rajiv Gandhi University (RGU)
06:36 PM- 07:05 PM (IST) 09:06 AM- 09:35 AM (EDT)	Keynote speech -1	Prof. Kevin M. Keener Barrett Family Foundation Chair in Sustainable Food Engineering, University of Guelph, Canada
07:06 PM- 07:35 PM (IST) 09:36 AM- 10:05 AM (EDT)	Keynote speech -2	Prof. Ashutosh Upadhyay National Institute of Food Technology Entrepreneurship and Management (NIFTEM), Sonapat, Haryana.
07:36 PM - 07:50 PM (IST) 10:06 AM- 10:20 AM (EDT)	MoU signing	A MoU between Rajiv Gandhi University, AP and National Institute of Food Technology Entrepreneurship and Management, Haryana
07:51 PM- 08:00 PM (IST) 10:21 AM- 10:30 AM (EDT)	Vote of Thanks	

Objectives of the Webinar

- i. To disseminate the concept and technological developments in non-thermal processing technologies for food safety and potential for industrial applications;
- ii. To deliberate and sensitize entrepreneurs and key stakeholders about the relevant schemes and support provided by Ministry of Food Processing Industries (MoFPI), Government of India; and
- iii. To enter into an Memorandum of Understanding (MoU) with National Institute for Food Technology Entrepreneurship and Management, Sonapat, Haryana for conducting various collaborative activities in future.

Expected Learning outcomes

- Motivating the younger generations and researchers to explore the field of non-thermal food processing and applications;
- Creating awareness about the various schemes and support given by Ministry of Food Processing Industries (MoFPI) for entrepreneurial opportunities in the food sector; and
- Establishing a Memorandum of agreement for overall academic development among institutes by knowledge and experience sharing.

Outcomes of the Webinar

- The webinar made aware the participants about the importance of processing food safely and maintaining quality.
- The webinar made aware of cold plasma technology as a novel non-thermal processing strategy for food processing enlisting its application in varied foods such as fresh fruits, vegetables, and juices alongside application on meat and poultry products.
- The webinar also made aware of the various schemes of Pradhan Mantri Formalisation of Micro food processing Enterprises (PMFE) laid down by Ministry of food Processing industries.
- The participants were brought up-to-date on the possibilities of food processing and entrepreneurship opportunities in the state of Arunachal Pradesh and how they can make use and benefit from the described schemes by the Ministry.
- From a strategic stand point concerning academic and research relations between NIFTEM and RGU a MoU was signed. The MoU is destined to open up collaborative projects, seminars and workshops.

Executive summary

The RGU, in collaboration with NIFTEM organized an International webinar on “Technologies for Processing Safe Foods, Entrepreneurial Prospects and Ministry Support: Sufficing the Demands of the Food Industry” on July 19, 2021. It was the first webinar held at the University on exploring food safety alongside entrepreneurial opportunities in the sector for food processing in the state of Arunachal Pradesh. The webinar was segmented into three dedicated sections, i.e., inaugural session, technical session, and valedictory session.

The webinar commenced with the welcome address delivered by Prof. Sumpam (Dean, F/O Life Sciences & Agriculture Sciences, Coordinator, Dept. of Agriculture Sciences & Food Technology, RGU). He welcomed all the dignitaries present in the webinar and appreciated the fine leadership of Honorable VC of RGU. Prof. Amitava Mitra, honorable Pro VC, RGU, enlightened the participants about the fact that the ecological conditions of Arunachal Pradesh are congenial for the growth of horticulture. And that majority of the state’s population is dependent on agriculture. He also suggested that the development of food processing sector here would be important to convert important fruits crops such as oranges, kiwi, pineapples, etc. into finished products like jam, jelly and beverages. The Registrar RGU, Dr. NT Rikam, also stressed upon the fact that the state needs to develop a lot in terms of the food processing sector as the state produces majorly important fruits such as kiwifruit, mandarins, pineapple, apples etc. He also food processing was a potential sector to explore in the state.

Eminent professor and Scientist, Prof. Kevin M. Keener, Barrett Chair in Sustainable Food Processing, University of Guelph, Canada delivered the 1st keynote speech in the technical session. He highlighted the importance of processing food safely. He discussed on the latest available technologies that the evolving food sector is witnessing. He specifically discussed the application of cold plasma processing as a novel non-thermal technology for

food applications. He discussed on the microbial inactivation on varied foods treated with cold plasma technology.

Prof. Ashutosh Upadhyay, Dean Academics, NIFTEM, Haryana delivered the second keynote address in the technical session. Dr. Upadhyay sensitized on the various Ministry of Food Processing Industries (MoFPI) such as Kisan Sampada Yojna, Prime Minister Formalization for Micro Food Processing Enterprises (PMFME) Scheme among others and discussed on the different subsidies available for micro-entrepreneurs for establishing food processing facilities in the North-eastern states.

In the valedictory session, an MoU was signed between the RGU and the NIFTEM to strengthen the collaborative partnership in promoting research, training, and resource mobilization for academic and scientific advancement.

Dr. Nikhil Kumar Mahnot, also moderated the webinar and the vote of thanks was proposed by Dr. Deependra Rajoriya.



Fig.3: Prof. Kevin M Keener, University of Guelph Canada (Keynote Speaker)



Fig.4: Prof. Ashutosh Upadhyay, NIFTEM (Keynote Speaker)

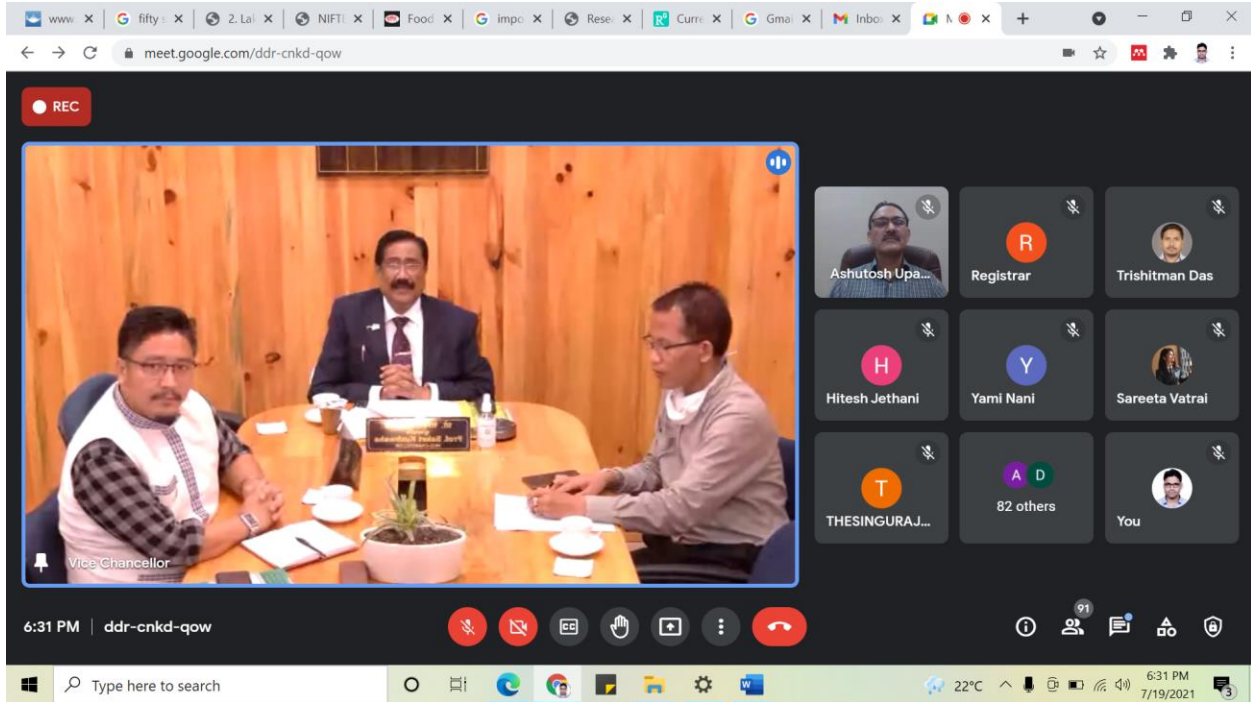


Fig. 5: Snaps from the webinar

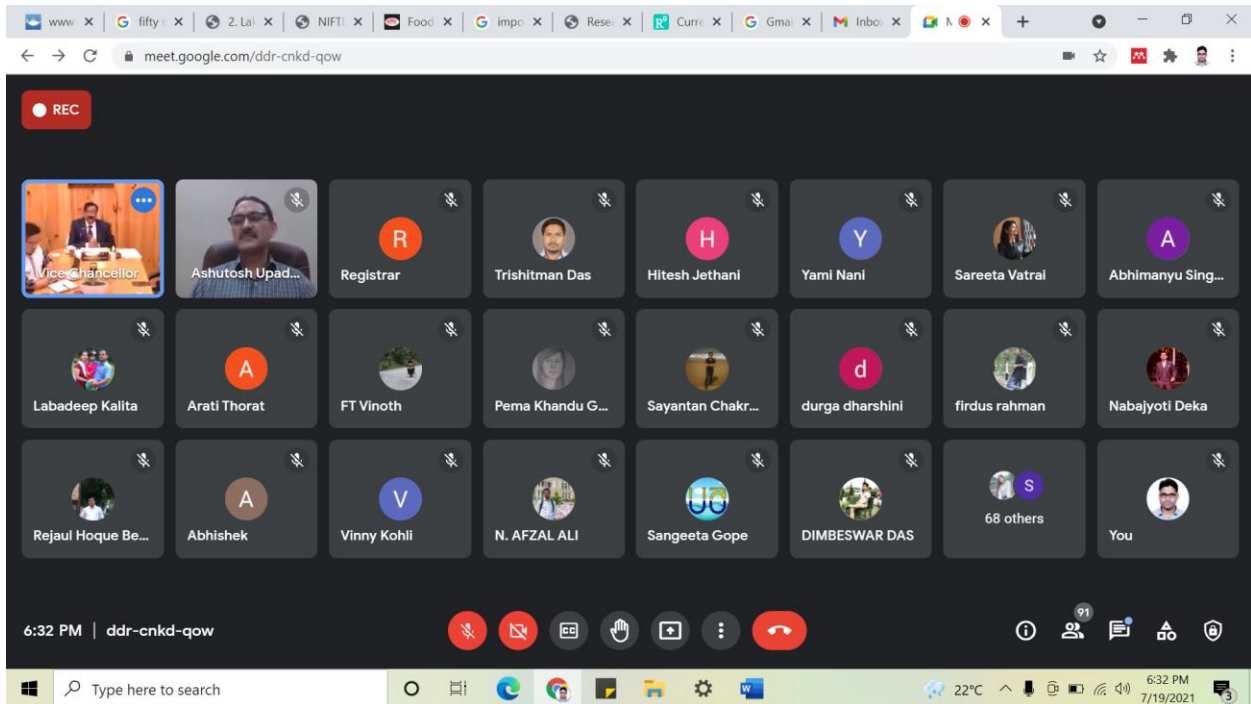


Fig. 6: Snaps from the webinar participants

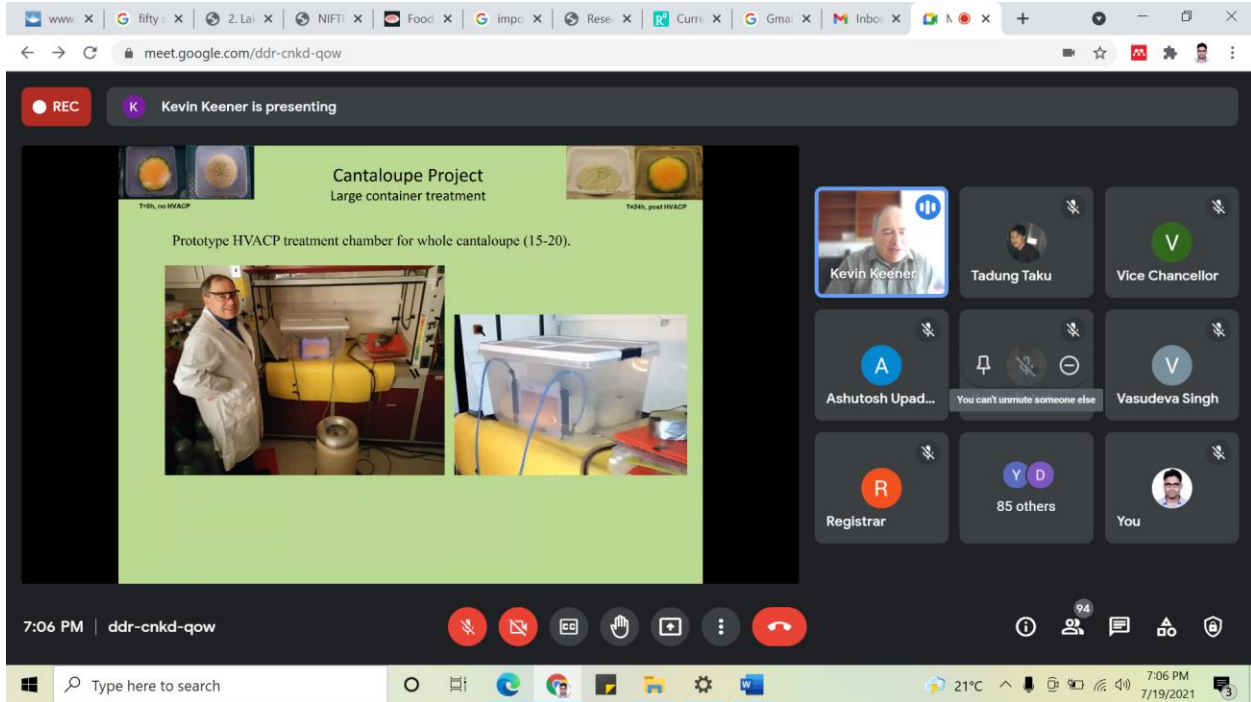


Fig. 7: Snaps from the webinar

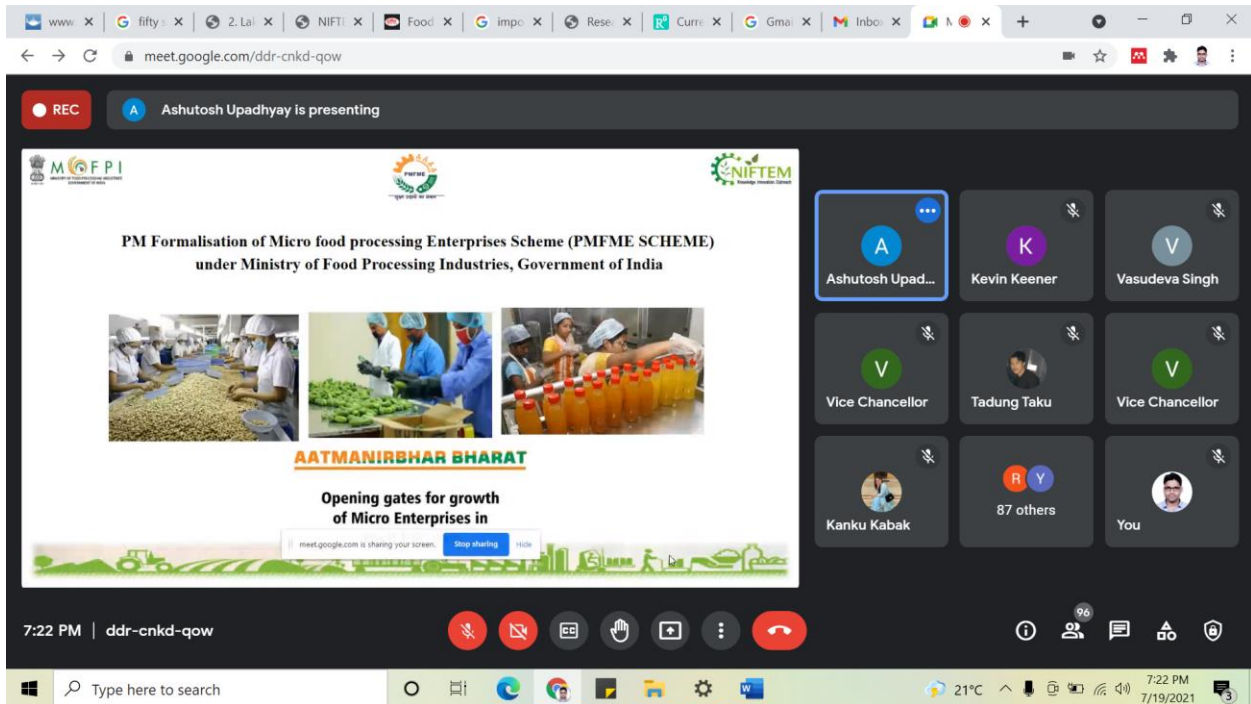


Fig. 8: Snaps from the webinar

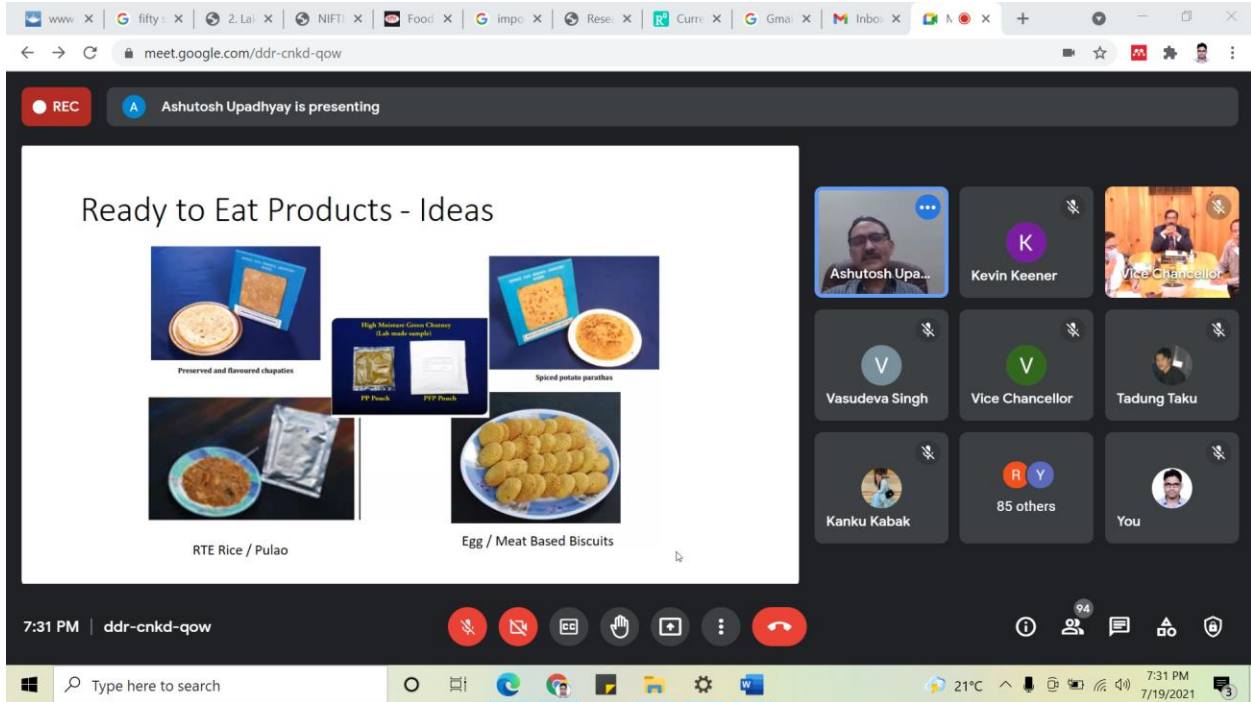


Fig. 9: Snaps from the webinar

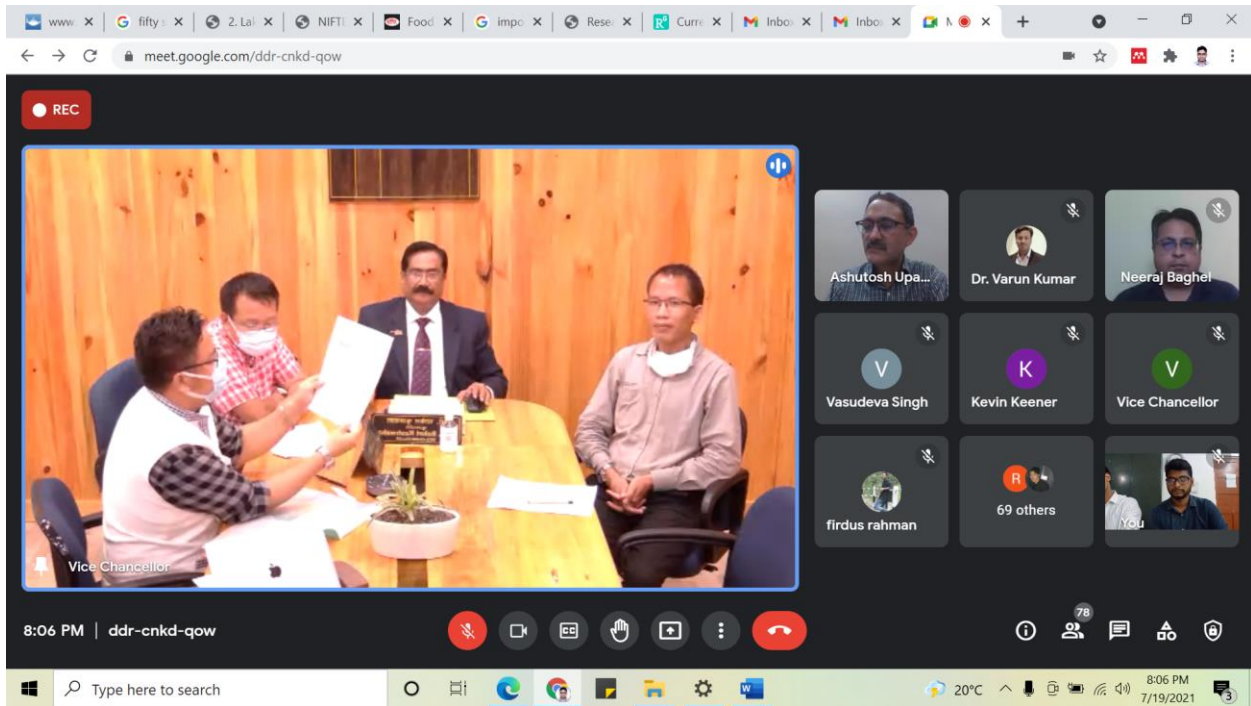


Fig. 10: Snaps from the webinar of VC meeting Room

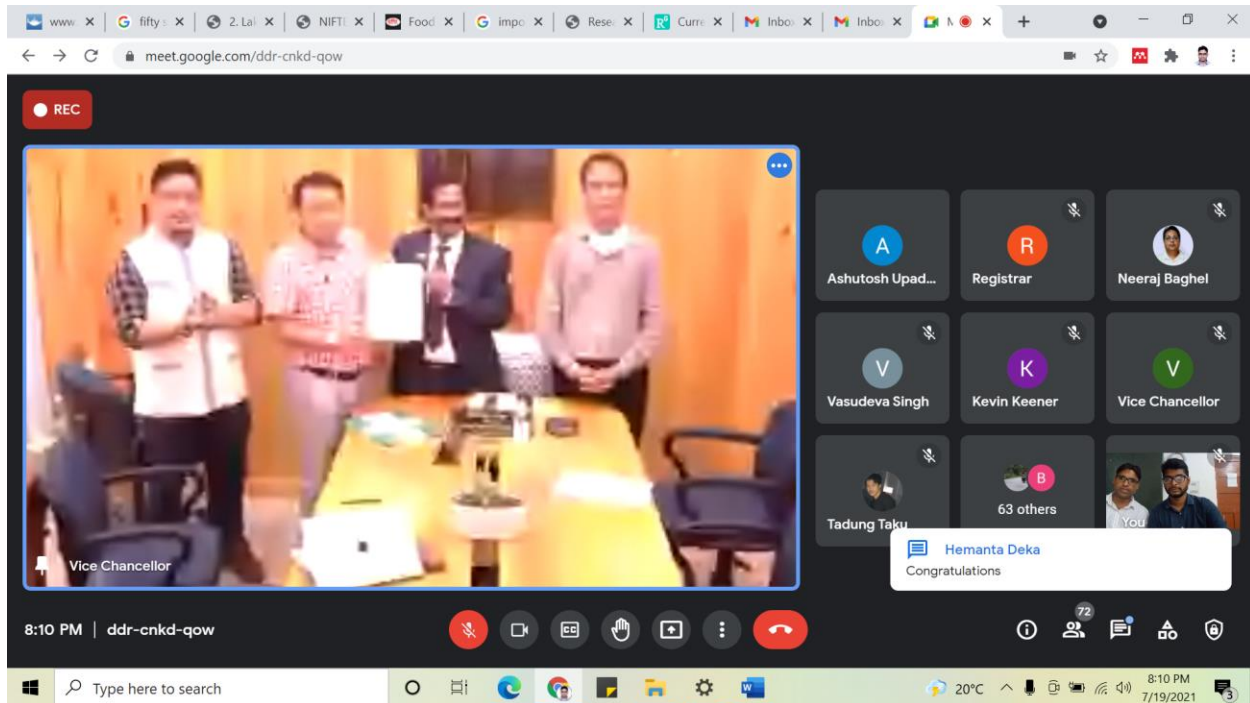


Fig. 11 : Signed MoU with NIFTEN

List of Registered Participants

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