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# **Our PEOs and POs**

## **PROGRAM EDUCATIONAL OBJECTIVES (PEOs)**

1. To enable students to gain knowledge across all domains of Information Technology with in-depth understanding of their applications.
2. To enable students to analyze problems and to design and develop software solutions using emerging tools and technologies.
3. To enable students to continue Life-long learning, Research and Entrepreneurial pursuit in their chosen fields.
4. To develop communication, teamwork, and leadership skills necessary to manage multidisciplinary projects and serve the society as responsible and ethical software professionals.

## **PROGRAM OUTCOMES (POs)**

1. Apply domain specific knowledge of computing and mathematics for designing of software solutions for defined problems and requirements.
2. Understand and analyze a problem and suggest feasible solutions.
3. Design, evaluate, and develop effective solutions for complex computing problems to meet desired needs.
4. Design and conduct experiments and use research-based methods to investigate complex computing problems.
5. Use appropriate techniques and software tools for computing activities.
6. Understand and commit to professional norms, regulations and ethics.
7. Recognize the need for and have the ability to engage in independent learning for continual professional development.
8. Understand and apply project management principles, as a member or leader in multidisciplinary environments.
9. Effectively communicate technical information, both oral and written with range of audience.
10. Analyze societal, environmental, cultural and legal issues within local and global contexts when providing software solutions.
11. Work as a member or leader in diverse teams in multidisciplinary environments.
12. Use Innovation and Entrepreneurship for creation of value and wealth.

## VISION

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Thakur Institute of Management Studies, Career Development and Research will become a premier Institute renowned internationally for providing education in Software Application to graduates from various disciplines.

## MISSION

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To achieve excellence in providing software education so that students can grasp existing as well as emerging technologies and to inculcate leadership and managerial qualities in them so that they can deliver results in the organization they join.

## QUALITY POLICY

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We, the staff, faculty and management of Thakur Institute Of Management Studies, Career Development and Research are committed to offer excellence in software education, conducive academic environment and state-of-the-art infrastructure to our students. We work as a team and interact with students in pro-active manner to achieve our Quality Objectives and fulfill all academic, statutory and regulatory requirements to entire satisfaction of our students as well as for continual improvement of QMS.





*Thakur Educational Trust's (Regd.)*

**THAKUR INSTITUTE OF  
MANAGEMENT STUDIES, CAREER  
DEVELOPMENT & RESEARCH**

(Approved by AICTE, Govt. of Maharashtra & Affiliated to University of Mumbai)

ISO 9001 : 2015 Certified • MCA Program Accredited by National Board of Accreditation, New Delhi

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## Chief Patron's Message for ICAIM-2020



**D**uring the last few years, TIMSCDR, under the aegis of Thakur Education Group (TEG) has been excelling in its journey into the field of education and research of international standards. TIMSCDR, in its journey towards excellence has taken the initiative in organizing yet another International Conference 'International Conference on Advances in Information Technology and Management - Leveraging Information Technology for Sustainability in Agriculture & Medicine'.

The aim of the conference is not only to create awareness about the imminent issue of waste management and make people environmentally responsible but also to understand how to gain maximum return from waste resources. Achieving environmental objectives in an increasingly competitive business climate requires access to the best and most up-to-date information available. I am sure this conference will provide a platform to progressive farmers, healthcare professionals and academicians to probe into various opportunities to design and practice an integrated and sustainable system for waste management.

I take this opportunity to congratulate the organizing committee for their dedication and hard work for successfully arranging this event. I am also very grateful to all the delegates and research scholars for sharing their research work and making this conference a huge success.

**V. K. Singh**  
Chairman



*Thakur Educational Trust's (Regd.)*

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## CEO's Message for ICAIM-2020



I feel privileged to welcome you all for the upcoming International Conference on Advances in Information Technology and Management titled “Leveraging Information Technology for Sustainability in Agriculture & Medicine” organized by TIMSCDR, under the aegis of Thakur Education Group (TEG).

Due to tremendous increase in human population and industrial development, waste is being generated at a colossal level and managing it has become a very challenging task for the human kind. Waste management is now not about merely dumping the unwanted things in a random way it but has become a systematic process consisting of collection, transportation, and proper disposal of garbage, sewage and other waste products.

This conference, a distinctive endeavor of TIMSCDR, will provide a platform for the exchange of ideas and findings of all intellectuals from academia, industry and research institutions in the area of application of Information Technology for waste management. I am sure this exchange of ideas among eminent and erudite personalities from relevant fields will open many more avenues of future technological enhancements.

The zeal and enthusiasm with which the organizing committee has come forward is commendable. I extend my best wishes to the faculty, delegates and the organizing committee for excellence in their endeavors.

**Mrs. Karishma Singh Mangal**  
CEO



Thakur Educational Trust's (Regd.)

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## Director's Message for ICAIM-2020



“ We cannot solve our problems with the same thinking we used when we created them.”  
– Albert Einstein, Physicist. Over the decades man has made immense progress. Each element of this progress is an outcome of innovations and solutions to problems that revolve around the ability of sustaining ourselves on this amazing planet – Earth. ICAIM 2020 titled “Leveraging Information Technology for Sustainability in Agriculture & Medicine” is a small step towards understanding the importance for creating a sustainable living while specially focusing on the domains of Agriculture and Medicine.

ICAIM 2020 focuses on Sustainability in general and how it is managed in the domains of Agriculture and Medicine in specific. To understand Sustainability, we visited the 17 goals of UN for Sustainability. Each of this goal demands a responsible approach of every individual of this planet towards the use of resources and the solutions developed to lead a Sustainable lifestyle. In the Agriculture domain, sustainable agriculture involves taking care of the soil and water resources and using Agro and Information Technology tools and techniques to enhance the produce without damaging the environment. Discussions with some Farmers from the State of Maharashtra showed the eagerness of Farmers to apply methods of Sustainable Agriculture. Right from Organic Farming, Hydroponics and Collective farming, every approach laid stress on Sustainability. Similarly, in the Medical domain, various protocols , applications and tools have revolutionized Healthcare towards a more sustainable provision to meet the needs of people from every sector. IT has played a pivotal role in making Healthcare sustainable. Right from the provision Electronic Health Records to the facility of e-Consultations and use of AI and Robotics in medical case analysis and surgery respectively, IT has taken a giant leap to ensure sustainability in Healthcare. Though the hundred percent implementation of IT for

sustainability in Healthcare, will take time, specifically in India, it is not far, when reliable and affordable Healthcare will be provided to every individual.

ICAIM 2020 is the start of a long but promising journey of researching how IT can help in Sustainability in the domains of Agriculture and Medicine. TIMSCDR has planned to work in the domain of Sustainability and study and provide IT solutions that can ensure Sustainability. AMC (Association of Medical Consultants) and MACCIA (Maharashtra Chamber of Commerce, Industry and Agriculture) have been the backbone of ICAIM 2020 throughout the conduct of this event. NASSCOM has been instrumental in making the event appropriate by providing erudite Speakers.

The Conference proceeding of ICAIM 2020 comprises of --- number of research papers and --- number of articles. Genuine efforts from the Faculty and Students have made it possible to bring out this proceeding. Most of the Research papers have provided Sustainable solutions for the domains of Agriculture and Medicine.

Being inline with the theme of the Conference of Sustainability, the event proudly announces International Speakers who will be delivering Skype sessions on IT in Agriculture and Medicine from countries like CA, Sweden and US. Also one of the national speaker, will be delivering Skype session from Hyderabad.

Making this week long event a reality was possible due to the sincere efforts of the Faculty and Staff. Their devotion towards the success of ICAIM 2020 is exemplary. The support of the Students all through the making of ICAIM 2020 has been very encouraging.

My sincere thanks to our proactive Management whose unfailing support makes team TIMSCDR execute ICAIM every year with better and challenging themes.

I sincerely invite the delegates of ICAIM 2020 and wish them All the very Best.

## About TIMSCDR

The Thakur Educational Group comprises of three Trusts namely Thakur Educational Trust (Regd.), Zagdu Singh Charitable Trust (Regd.) and Zagdu Singh Educational Trust (Regd.) managed by the Thakur family and runs 16 Institutes located in Kandivali, western suburb of Mumbai.

TIMSCDR (Thakur Institute of Management Studies, Career Development and Research) is dynamic institute striving to provide quality higher education. The institute is an ISO 9001:2015 certified providing three years MCA (Master of Computer Application) course. The MCA Course of TIMSCDR is NBA Accredited. All possible ways of acquiring academic insight and undertaking appropriate academic initiatives are explored at the institute. TIMSCDR also has an ISTE (Indian Society of Technical Education) chapter. Residence-cum-study facility is available for boys and girls in secured modern Hostel Buildings with green, clean and healthy ambience situated near the Institute.

TIMSCDR is organizing next International Conference ICAIM-2020 which serves as a platform for gathering all academicians, industrialist, researchers and professionals in the disciplines of Information Technology, Agriculture and Medicine (Nutrition).

## About AMC

The Association of Medical Consultants (AMC) was established in 1972 by a small group of energetic active and concerned medical consultants from distant suburbs who often assembled and animatedly discussed their common problems. Over the years, the immense need rose for an organisation of this nature and the Association grew rapidly. It is now one of the fastest growing Associations of Specialist Doctors in Mumbai and boasts of a membership strength of more than 9000 Medical Consultants. AMC represents Consultants practicing at corporate and non corporate Tertiary care referral Hospitals (both Government and Private) and individual Consultants practicing through their own consulting rooms, Clinics & Nursing Homes spread across Greater Mumbai, Navi Mumbai and Thane districts. It is recognized as a frontline Medical Organization and is an important opinion making body which addresses vital public health and professional issues facing the medical profession in general and medical consultants in particular. AMC has effectively brought together consultants of various disciplines on one platform and aims to highlight and offer solutions to all the important day to day problems faced by consultants.

## About MACCIA

Maharashtra Chamber of Commerce, Industry & Agriculture (MACCIA) is the Apex Chamber of the State. The Chamber plays a pivotal role in supplementing and augmenting the efforts of Government for the economic development of the State and advancement of its people. With more than 3500 direct Members, comprising of large, medium and Small-Scale Industries, Traders, Agriculturist and Professionals, MACCIA is the only Chamber in Maharashtra, which has deep-roots in all the 35 Districts encompassing 355 Talukas of Maharashtra. In addition over 800 Local Trade and Industry Associations and professional bodies having collective membership of over 700,000 business organizations from all over the State are affiliated to the Chamber and thus it virtually functions as the State's Apex Chamber.

## AFG

Association of Fellow Gynecologists was conceptualized by a group of Gynecologists, 7 yrs ago (in year 2000); who felt the need for a platform to share their clinical experiences, seek solutions for their practical difficulties and build bonds of trust & friendship with their colleagues practicing in the neighborhood. They also were keen to update their knowledge & promote academic activities in their own localities for practicing Gynecologists like themselves, whose busy routine practice keeps them away from sharpening their skills.





## **Mr. Santosh Mandlecha**

President, MACCIA

Dear Friends,

Greetings from Maharashtra Chamber of Commerce, Industry & Agriculture (MACCIA) !!!

I express my appreciation for Thakur Institute of Management Studies, Career Development & Research' for organising this 'Leveraging Information Technology for Sustainability in Agriculture & Medicine, scheduled on 08th -09th February 2020, at Mumbai.

As the President of Maharashtra Chamber of Commerce, Industry & Agriculture (MACCIA), our organisation is very much concerned about the critical issues for Waste Management in Agriculture & Medicine.

I sincerely hope that this conference will deliberate and discuss all the different facets of this exciting topic and come up with sustainable recommendations that will lead to a better world and some strong take-home messages.

It is an excellent platform for interaction between experts and various stakeholders, and opportunity to connect with expertise through their lectures & presentations and many thought provoking strategies for future line of action.

I 'am sure that the delegates, experts, students, researchers, policy makers will all tremendously benefit from the deliberation of this conference. The success of the conference depends ultimately on all members who have worked extremely hard for organising the conference.

I wish grand success of the conference.

Thanks and with Best Regards,

**Santosh Mandlecha**

President

Maharashtra Chamber of Commerce, Industry & Agriculture  
(MACCIA)



## **Mr. Vijay Yelmalle**

Founder, Director (CraftComm Farma Pvt Ltd)

First of all I would like congratulate TIMSCDR for selecting very apt topic for the conference. My best wishes are with the team for the successfully conducting this conference.



## **Mr. Pankaj Mittal**

CIO Angel Network (CAN)

Thank you for extending the invite. I am sure this conference organised by Thakur Institute will be an eye opener for students who can leverage the experience of speakers and understand emerging & deep tech space and how it is been used in enterprise world. The world is currently on the edge as new technologies reveal their nature and power, I am glad to be part of this conference and would eagerly look forward to participate and share my knowledge.



## **Mr. Sujit R Shinde**

Associate Consultant, Project Manager @ TCS Innovation Labs

We sincerely appreciate this type of event organized for the young minds. Today's young generations are really dynamic and they need this opportunity to get the real industry exposure. This will provide them an opportunity to understand working of real industry and its methodology. Also, it will help them to prepare themselves to be job ready and understanding the scope of self-upgrading. Such event should be conducted by collaborating with associates from respective industries. Once again, we express gratitude towards college management for organizing such sessions for student.



## **Mr. Gaurav Batra**

Information Security Officer, icloud

This is a kind of niche initiative i have seen where a specific domain have been targeted for technology centric solutions. I wish the team all the success and looking forward to more of these kind of events in future.





## **Dr. C. H. Asrani**

**CEO, Founder –INCHES' Group of Companies**

Though application of IT in healthcare plays a crucial role, these technological innovations still pose a challenge to many. Today this topic in detail and helped us learn the role of IT in Healthcare. It is very helpful for tapping across this niche topic and enriching us with such knowledge.

While application of IT in healthcare is crucial, it is also crucial to keep the ethics in mind while using the healthcare data. It helped us understand the role of ethics in IT in view of healthcare and has enriched us with knowledge that will be extremely useful.



## **Mr. Johannes Brundin**

**Mahindra & Mahindra, CIO, Head - Innovation & Future Technologies  
Business Information Technology Solutions (BITS)**

Greetings from the Nordics (Sweden, Denmark, Norway, Finland and Iceland). Nordic Center for Sustainable healthcare (NCSH, [www.nordicshc.org](http://www.nordicshc.org)) was founded in 2015 to Raise the awareness, Boost innovation, Bring world class solutions to the Nordics and Deliver Nordic Solutions and Know-how to the world. All for a sustainable development within healthcare. I'm the co-founder of NCSH and I'm looking forward to share our experiences with you. We can only tackle the challenges within healthcare by sharing knowledge and solutions with each other. Therefore I'm grateful to take part at ICAIM 2020. I wish to raise the topic of how we can utilize sustainable healthcare as a leverage for developing sustainable cities and a positive global impact on the climate.



## **Mr. Srikanth Rupavatharam**

Scientist - Digital Agriculture Innovation Systems for the Drylands Program, Peat – Deep Learning Agrotech, Germany (Hyderabad)

India has taken giant strides in Information technology that has impacted all sectors of our lives, however ITs potential is yet to be harvested in the field of agriculture. Thanks to the organizers for recognising and showcasing future direction of research and development for sustaining agriculture and medicine through Information Technology.



## **Mr. Jae Sabol**

Executive Director, One Community, Los Angeles, USA

I look forward to speaking with you all and sharing what I feel is the future of development for agriculture, medicine, and so much more. I'll be sharing my experience from the last 10 years leading our nonprofit's all-volunteer team developing open source blueprints for sustainable agricultural. I'll share some of our developing agricultural projects, related custom software we're developing, and discuss the various information technologies we're using daily to coordinate our development with our global design and research team; a team that has consisted of over 400 volunteers and contributes from every continent except Antarctica, all using information technology tools and resources to do our work and collaborate virtually.



## Mr. Dineshkumar Singh

Group Leader, Digital Farming Initiative (mKRISHI®)

Today almost 1 billion people around the world do not get adequate food daily. With the population slated to grow to 10 billion by 2050 and shrinking natural resources, we are looking at an imminent crisis. Sustainability is key to ensure that how we get more from less. Technology can play a big role by identifying where the food loss and waste happens and how we can reduce that. It can help identify more healthier, sustainable diets such as moving away from animal based foods which are more resource intensive than plant based. It can help improve soil and water management. By organizing such conference about Innovation in Technology for Sustainable food management, TIMSCDR is helping trigger this food for thought among the stakeholders, especially the young minds who can develop technology to reshape their own future. Congratulations to organizers



## Dr. Aslam Khan

Chairman and Managing Director, Octaware Technologies Limited

I'm honored to be invited as Guest of Honor and a representative of NASSCOM by the International Conference on Advances in Information Technology & Management (ICAIM), which provides a valuable forum for experts from Industry, research scholars from academia and policymakers from the government to discuss innovations and crucial aspects for sustainable development. I believe that the ICAIM 2020 Conference is a valuable forum for experts to explore how to address some of the most pressing issues in the area of agriculture and healthcare leveraging information technology, and I look forward to exploring further avenues of collaboration and engagement between TIMSCDR and NASSCOM.

I take this opportunity to convey my very best wishes for an effective, successful and productive ICAIM 2020 Conference.



## Mr. Rajendra Bhat

Agro Consultant, Nisarga Mitra Farms

शेतातील पिकांचे अवशेष हे पिकां एवढेच महत्वाचे आहे. यात प्रचंड क्षमता आहे. याचा उपयोग करून जलसंधारण, मृदा संधारण, जमीनीची उत्पादकता व सुपिकता वाढविता येते. या पासून विज व ईथेनाॅल तयार करता येते. या प्रक्रीयेतुन संमृद्धी तर करता येईलच. त्याच बरोबर ग्लोबल वॉर्मींग सुद्धा कमी करता येणे शक्य आहे.

मी याला वेस्ट समजत नाही.



## Mr. Sarvesh Kurane

AVP- Value Engineering, SatSure

I would like to thank Thakur Institute of Management Studies, Career Development and Research on behalf of SatSure for the opportunity to represent the geospatial analytics perspective for sustainable agriculture and truly believe the initiative of bringing people together to create an ecosystem to discuss ideas and solutions will be a success.

The Government is strongly promoting Digital India initiative. With all these in perspective, we stand at a juncture, never before in history, where we can take advantage of the advances of information technology and allied fields for the growth and development of agriculture with sustainability in picture to deliver innovative solutions which can have both local and global applications.





## Ms. Rasika Phatak

Farmer, Agro Consultant

कृषि क्षेत्रामध्ये अमुलाख्य बदल होत असतांना, तसेच, जागतिक तापमान वाढमुळे कृषि उत्पांनांवर होणारा परिणाम, व त्यामुळे होतकरी नसणांमध्ये होणारी पिढीवट घासाळी म्हणून शहरात वीती करणे अत्यंत आवश्यक व महत्वाचे आहे. घासाळी पिकांचे योग्य नियोजन, रक्षणीय व किट्टनाशकांच्या होणार ब्रमसाठे नापर, सैक्रिय उत्पांना केले, निष्पन्नप्रासांगिक निषेधन व्यवस्थापन, आधीसकृत निषेधन करणार घेणार पतपुरवठा, शासनाकडार वेगवेगळ्या योजनांच्या भाष्यमातून होणार घेणार अनुदान घासाळी सुसुचता आणि समन्वय साधनांच्या आवश्यकता आहे. घासाळी म्हणून ठाकर डब्ल्युएर शांच्या माध्यमातून विद्यापीठ व शेतकरी वळारत घासाळी तंत्रयुद्ध मांडविल करणार येते. या अतिशय महत्वाच्या आंतरराष्ट्रीय परिषदेमध्ये शहरातजती या विषयावर चर्चा होणार आहे. ठाकर डब्ल्युएर ऑफ मॅनेजमेंट स्टडीज, कोरडार डब्ल्युएर आणि निम्स या संस्थांच्या संयुक्तका उी निषेधन उपयुक्तता आणि त्यांचे सर्व शास्कारी याना परिषदेच्या शरारविषयांठी उप महत्त घेतली आहे. त्याच मसुपुर्वक अभिनेदन आणि परिषदेसाठी उप यूप बुझविले!

रसिका अनिल फाटक (Ms. R. Phatak)  
कृषीगाई अंग्रे अखिलीस  
कृषिसल्लागार - परकी  
मुधागाड, निम्स - रायगाड.



## Mr. Anil Nivalkar

Agro-Consultant, SRT

I am really glad TIMSCDR organizing International Conference - ICAIM 2020 with the theme of "Leveraging Information Technology for Sustainability in Agriculture & Medicine". Thank you very much for inviting me. I am indeed delighted to be part of this conference. Wish you all the best for the conference.



## **Mr. Milind Prabhu**

**State Co-ordinator, MACCIA**

I compliment the TIMSCDR for taking this important initiative of organizing ICAIM 2020 - Leveraging Information Technology for Sustainability in Agriculture & Medicine. Both Agriculture and Medicine sector are on a high growth path. Agriculture Production and Waste growth is going to be an integral part Indian Economy which is expected to grow close to US\$ 5 trillion in near future. As this conference will bring all key stakeholders and deliberations will further facilitate the growth and management of this important segment of our national economy.

I wish the ICAIM - 2020 all the very best and great success.

# Best Wishes From



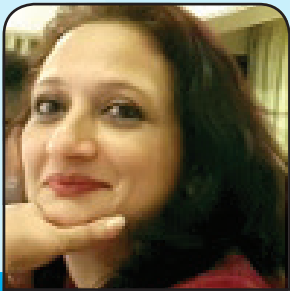
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President, AMC



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AMC



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Cyber Frat



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**Mr. Sanjay Kimbahune**  
Senior Consultant, TCS Innovation  
Labs



**Mr. Manohar Khake**  
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**Dr. Deven Shah**  
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**Dr. Indra Mallo**  
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**Ms. Pooja Krishnani**  
Head- Digital Marketing and  
Integrated Customer Engagement,  
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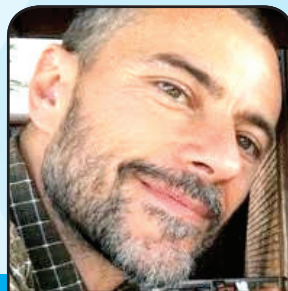
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Jt. Secretary, HIMSS APAC  
India Chapter



**Mr. Sarvesh Kurane**  
Microsoft-Seattle



**Mr. Joy Chakraborty**  
COO, Hinduja Hospital



**Mr. Marco Brini**  
CTO, Founder EnvEve, SA,  
Switzerland



**Dr. Suresh Shan**  
Mahindra & Mahindra, CIO, Head  
- Innovation & Future Technologies  
Business Information Technology  
Solutions (BITS)





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### PATRON

**Mr. Jitendra R. Singh**, Trustee, TEG  
**Mrs. Karishmma Singh Mangal** CEO, TIMSCDR

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**Dr. Mukesh Gupta**, President, AMC  
**Mr. Milind Prabhu**, State Co-ordinator, MACCIA

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**Dr. Uttam V. Mahadkar**  
Asso. Dean, Dr Balasaheb Sawant Konkan Krishi Vidyapeeth

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**Mr. Santosh Mandlecha**, President, MACCIA  
**Dr. Sabh Singh Khambay**, Managing Trustee, AMC

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## PREFACE

ICAIM 2020 embarks the theme of Sustainability and will be a continuing effort in researching and deliberating on the same in the coming years to provide a sound platform for developing innovative and Sustainable solutions to solve the crisis of Sustainability in general and in the domains of Agriculture and Medicine in specific. Through the year several discussions with stalwarts from the Industry and specifically those who belong to field of Agriculture and Medicine have provided food for thought as to what the future will be to ensure Sustainable living. The association of prominent bodies like MACCIA (Maharashtra Chamber of Commerce, Industry and Agriculture), AMC (Association of Medical Consultants), CSI and NASSCOM have provided a promising success for ICAIM 2020.

Sustainability in every domain is the need of the hour, specifically when we have not discovered another Earth anywhere in this Universe till date, even though rigorous efforts are continuously being made for the same. The extent to which the resources have been exploited by mankind has led to devastating effects on our planet. Unseasonal rains and drastic changes in the climatic conditions have proved fatal to the development of mankind. Sustainable Agriculture has become a challenge to the farmer and may in turn becoming challenging to people due to scarcity of food in near future due to rampant exploitation of basic agriculture resources, like soil and water. Extensive use of chemical fertilizers has eventually polluted the soil and the ground water in many places. Further, the use of chemicals in farming have provided opportunities of harvesting a bumper produce at the cost of harming the consumer with carcinogenic diseases. Several meetings with some Farmers from the State of Maharashtra have however shown encouraging responses, from Farmers, who have already started their journey towards Sustainable Farming by the way of Organic Farming, Hydroponics and Community Farming. ICAIM 2020 has laid down the corner stone for current and future discussions for Sustainability in general and specifically in Agriculture and Medicine by leveraging IT to add value and to enhance the outcome.

IT is playing a pivotal role for Smart Agriculture and reliable and affordable Healthcare. Tools and technologies like AI, ML, Data Analytics, Cloud Computing, Digital Marketing, etc. are used for providing Sustainable solutions in the domains of Agriculture and Medicine. Farmers are now adopting IoT based Smart Agriculture. Similarly, Doctors are using Robotics and AI in various procedures to enhance medical facilities and provide sustainable Healthcare.

The theme of ICAIM 2020 of Sustainability and the role of IT to achieve the same has brought Farmers, Doctors and IT Professionals on a single dais to deliberate on solutions for Sustainability. It was a unique opportunity to interact with professionals from different background and with totally unique mindset and attitudes. There was immense learning during this yearlong process of

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making of ICAIM 2020.

It is a pleasure to put forth ICAIM 2020 Proceeding which involves tireless efforts made by many. The proceeding is a unique collation of interdisciplinary research work relating to the fields of Agriculture, Medicine and Information Technology put forth by research scholars from these fields respectively in providing Sustainable solutions. The efforts involved in the assembly of ICAIM 2020 Proceeding are truly noteworthy and can be witnessed as you read through the pages of this matchless piece of literature.

**Dr. Vinita Gaikwad**  
Director

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