

Report of International e-Conference
'Innovations in Science, Technology, Humanities,
Management and E- Commerce for Sustainable Rural
Development'

Professor Arvind P. Sawane
Convener of the Conference

Anand Niketan College, the embodiment of Baba's creative intellectuality, came into being on June 20, 1964, and since then it has been known for academic excellence. Under the dynamic leadership of Dr. Vikasbhau Amte, Secretary, and Mr. Kaustubh Amte, Member, Governing Body, Maharogi Sewa Samiti Anandwan, the college is actively engaged in student-centric academic activities to inculcate the scientific aptitude in the young minds and also to keep the teachers abreast of the latest developments in their field. Accordingly we organized **International e-Conference on 'Innovations in Science, Technology, Humanities, Management and E- Commerce for Sustainable Rural Development' on 14th & 15th March 2022** to draw attention to sustainable rural development.

This International e-conference was aims to bring Academicians, Scientists, innovators, humanists, economists and renowned speakers on a common platform to discuss and present interdisciplinary research and innovations for the sustainable rural developments. Through invited talk & plenary lectures, research talks and presentations, this conference has brought more than 675 visionary scholars, from 7 country across the various fields on a common platform to discuss current scenario & key issues in the field of rural development & to deliberate upon the strategies that could be adopted to develop and transform the rural India.

It is said that well begin is half done. Dr. Anil Kumar Gupta Sir, Professor & Visiting Faculty IIM, Ahmedabad and Dr. Vikasbahu Amte, Secretary, MSS who were present at the inaugural session of the conference, literally set the momentum of the conference and elucidate on the issues in sustainable rural development.

The conference was held in 12 technical sessions and was preceded by keynote address by the eminent scientist of international repute. Research papers were invited on the theme and sub themes of the conference and about 200 research papers were then presented in 12 technical session which were chaired by the scientist across the India from among the institute of national and international repute.

The response was overwhelming and more than 200 abstracts and more than 100 full length research papers have been received for the conference, which will be published in research journals of international repute. While, all the abstracts are published in proceeding of the conference. I am confident that the various aspects of sustainable rural development had been discussed in detail during twelve technical sessions, with many dimensions of the theme, which will definitely have a positive impact on the younger generation.

I am fully aware that, the success of this program is due to the active participation of all participants, speakers and dignitaries and constant support and guidance of Dr. Vikas Bhau Amte, Secretary, Maharogi Sewa Samiti, positive leadership of our Principal Dr. Mrunal Kale, cooperation from all the teaching and non-teaching colleagues and our students.

We are sure that love and support of all invitees, speakers, chairmen of technical sessions, delegates and participants will definitely encourage and motivate us to organize even bigger events in future.

I would like to conclude this report with the quote, in the book *'Anandwan Prayogwan'*, by *Vikasbahu Amte*, "**You Help Me to Help You to Help Ourselves**".

Dear Friends **'Let's join our Hands'** to make this Planet more sustainable & more beautiful.

The screenshot shows a Zoom meeting in progress. The main content is a presentation slide from Anand Niketan College of Science, Arts and Commerce. The slide title is "International e-Conference on Innovations in Science, Technology, Humanities, Management and e-Commerce for Sustainable Rural Development" held on 14 & 15 March, 2022. The paper presentation topic is "Internet of Things: A Game-Changing Approach to Future Innovations in Science and Technological Advancement". The presenters are Mr. Vilas Kisanrao Tembhuarne and Mr. Mehraj Manikrao Joji. The meeting interface includes a top bar with names (Anurag Jyoti, M-47-RUPA SH..., Prashant Wagh), a participants list on the right (116 total), and a bottom toolbar with controls like Unmute, Start Video, Security, Participants, Polls, Share Screen, Reactions, Apps, More, and End.

Anurag Jyoti **M-47-RUPA SH...** **Prashant Wagh**

VILAS KISANRAO TEMBHURNE... Anurag Jyoti M-47-RUPA SHREE Prashant Wagh

Recording

Maharogi Sewa Samiti, Warora
Anand Niketan College of Science, Arts and Commerce
Anandwan, Warora – 442914
(Institution of Higher Learning, Research & Specialized Studies)
NAAC Re-Accredited B**, ISO 9001 : 2015
(Affiliated to Gondwana University, Gadchiroli)

International e-Conference
on
Innovations in Science, Technology, Humanities, Management and e-Commerce for Sustainable Rural Development
14 & 15 March, 2022

Paper Presentation
On
Internet of Things: A Game-Changing Approach to Future Innovations in Science and Technological Advancement

Presented by,
➤ Mr. Vilas Kisanrao Tembhuarne, vilas60@gmail.com, +91 9421815276
➤ Mr. Mehraj Manikrao Joji, mehraj1200@gmail.com, +91 8983643856

Participants (116)

Find a participant

- ANC Host (Host, me)
- VK VILAS KISANRAO... (Co-host)
- PW Prashant Wagh (Co-host)
- PL Pawan Labhasetwar (Co-host)
- AG achal ghodmare
- AMRUT LANJE
- AP Anjali Pimpalshende
- AJ Anurag Jyoti
- AS Arvind Sawane
- Ashish Waghmare
- ASHISH WAKULKAR
- Ashvini

Unmute Start Video Security Participants Polls Share Screen Reactions Apps More End

Type here to search 38°C 16:47 14-03-2022

Zoom Meeting

Recording... [Pause] [Stop]

Prashant Wagh Prithviraj Khinchi DR. DHONDIRA...
 Prashant Wagh Prithviraj Khinchi Sheetal Banerjee DR. DHONDIRAM TUKAR...

Dr. Neyara Radwan Pawan Labhasetwar

Participants (123)

Find a participant

- ANC Host (Host, me)
- PL Pawan Labhasetwar (Co-host)
- DN Dr. Neyara Radwan (Co-host)
- PW Prashant Wagh (Co-host)
- AG achal ghodmare
- AT Akshita Tikhat
- AP Anjali Pimpalshende
- AJ Anurag Jyoti
- AS Arvind Sawane
- A ASHISH WAKULKAR
- A Ashvini
- AK Avinash Kale

Unmute Start Video Security Participants Polls Share Screen Reactions Apps More End

Type here to search

37°C 16:08 14-03-2022

Zoom Meeting

Recording...

Prashant Wagh Dr.Nilesh K.Hali...
 Prashant Wagh Dr.Nilesh K.Halkar

Sustainability and Municipal Solid Waste Management Solutions for Developing Countries

Dr. Eng. Neyara Radwan
 Associate Professor
 Mechanical Department, Faculty of Engineering,
 Suez Canal University, Egypt
 &
 Associate Professor
 Quality Assurance Officer for the Ph.D. Program
 King Abdulaziz University, Jeddah, Saudi Arabia

Contact Information
nrhassan@kau.edu.sa
nanymohammed@gmail.com
<https://www.linkedin.com/in/dr-neyara-radwan-06929527/>

Participants (128)

Find a participant

- tilak dhoble (Host, me)
- DN Dr. Neyara Radwan... (Co-host)
- PW Prashant Wagh (Co-host)
- PL Pawan Labhasetwar (Co-host)
- AG achal ghodmare
- AJ AJAY JADHAO
- AT Akshita Tikhat
- Anant Deshpande
- AP Anjali Pimpalshende
- A ASHISH WAKULKAR
- AY ASHISH YETE
- AM Ashok Mistry

Type here to search

37°C 15:45 14-03-2022

Zoom Meeting

Recording... View

Participants (287)

Find a participant

Waiting Room (1) Message

Sandip Parkhi Joining...

Joined (288)

ANC HOST (Host, me)

Arvind Sawane (Co-host)

Dr. Avinash L. Pandha... (Co-host)

Dr. Nitin Dongarwar (Co-host)

Soham Kale (Co-host)

382581

412a9ab1

Abhilasha dhanorkar

Abhilasha dhanorkar

End

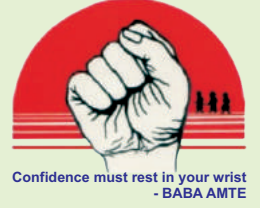
Unmute Start Video Security Participants 288 Polls Share Screen Reactions Apps More

Type here to search

39°C ENG 16:09 15-03-2022

The screenshot shows a Zoom meeting in progress. At the top, there are controls for recording and viewing. Below that, a header bar displays the names of participants: Soham Kale, Dr. Avinash L. Pandhare, SAVITA ZADE, and Akash chandanbatve. The main area of the screen is split into two video feeds. The left feed shows Dr. Avinash Pandhare, and the right feed shows Arvind Sawane. Both video feeds have a background banner for an 'Internal Conference' at 'ANAND NIKETAN COLLEGE OF SCIENCE, ARTS & COMMERCE'. The banner text includes 'Innovation, Technology, and e-Commerce for Sustainable Development'. On the right side, a 'Participants' panel lists 288 participants, including one in a waiting room (Sandip Parkhi) and 288 who have joined. The list includes names like ANC HOST, Arvind Sawane, Dr. Avinash L. Pandha, Dr. Nitin Dongarwar, Soham Kale, and several numeric IDs. At the bottom, the Zoom control bar shows options like Unmute, Start Video, Security, Participants (288), Polls, Share Screen, Reactions, Apps, and More. The Windows taskbar is visible at the very bottom, showing a search bar, system tray with temperature (39°C), language (ENG), and time (16:09, 15-03-2022).

Maharogi Sewa Samiti, Warora
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International e-Conference

on

**'Innovations in Science, Technology, Humanities, Management
and e-Commerce for Sustainable Rural Development'**

14th & 15th March, 2022

Contact Details:

Website: www.ancollege.edu.in

Dr. M. C. Kale, Principal : +91-94038 16244

Professor A. P. Sawane, Convener : +91-9423642611, +91-8605028398

Dr. N. S. Ugemuge, Organizing Secretary : +91-9175786330

(Contact between 10.00 AM to 5.00 PM on Working Days)



Shraddhey Baba
& Sadhanatai

OUR INSPIRATION



Shraddhey Baba Amte

- ❑ Padma Shri, 1971
- ❑ Raman Magsaysay Award, 1985
- ❑ Padma Vibhushan, 1986
- ❑ United Nations Prize in the Field of Human Rights, 1988
- ❑ Templeton Prize, 1990
- ❑ Dr. Ambedkar International Award(1999)
- ❑ Gandhi Peace Prize, 1999

Inaugural Session

Patron & Chairman



Dr. Vikas Amte
Secretary
Maharogi Sewa Samiti,
Warora, Anandwan

Inaugurator & Key Note Speaker



**Padma Shri
Dr. Anil Kumar Gupta**
Former Professor &
Visiting faculty,
IIM Ahmedabad

Chief Guest



Dr. Prashant Bokare
Vice Chancellor,
Gondwana University
Gadchiroli.



Dr. Mrunal Kale
Principal
Anand Niketan College
(Welcome Address)



Professor Arvind Sawane
Convener of the Conference
H.O.D., Zoology
Anand Niketan College
(Introductory Remarks)

Speakers



Prof. Israr Qureshi
Research School of Management
College of Business and Economics
The Australian National University, Australia



Dr. Raj Narnaware
Associate Professor
Department of Human Health and Science
Faculty of Nursing
MacEwan University, Canada



Prof. Dr. Burhan Ozkan
Department of Agricultural Economics
Akdeniz University, Antalya, Turkey.



Dr. Lye Ket Yong (PhD Hons. Philosophy)
Nationality: Malaysian
Resident: Thailand
Address: 124/25, Nara Villa, Banchang-
Phayun Rd., Amper Banchang,
Rayong Province, Thailand



Dr. Eng. Neyara Radwan
Faculty of Engineering,
Suez Canal University, Egypt



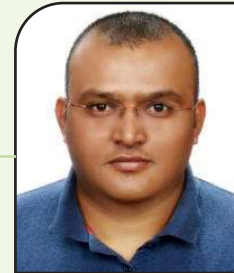
John Patrick Shaw
Strategic Leadership
Innovation Management
Technology Enabled Business
Transformation
Country Head at Legato Health, Ireland



Jeevantika Lingalwar
Founder, International Women in Tech |
Entrepreneur | Speaker | Tech Leader |
Co-Founder India Ireland Connect | Mentor |
Quantum Computing
Dublin, Republic of Ireland



Dr. Muthmainnah, S. Pdl.
Universitas Al Asyariah Mandar
Jalan Budi Utomo no 2 Kabupaten
Polewali Mandar Sulawesi Barat,
Indonesia.



Dr. Mangesh Diware
Department of Physics and
Astronomy Seoul National University,
Seoul, South Korea



Dr. Ming Hung Wong
Ph.D., D.Sc. (Durham), M.B.A.,
D.Sc. (Strathclyde)
Advisor/Research
Chair Prof, EdUHK
Editor in Chief, EGAH
(Springe Nature)
China



Dr. Abu Imran Baba
Postdoctoral Scientist
Swedish University of
Agricultural Science
Sweden



Dr. Iuliia Shamaieva
Head of the Department of
English Language, PhD,
V. N. Karazin Kharkiv National
University, Kharkiv, Ukraine



Dr. Chhatrasal Gayner
Material Scientist and Physicist
Dept. of Material Science and Engg.,
Technion-IIT, Haifa, Israel.

Invitation:

Dear Sir/Madam,

It gives us immense pleasure to inform you that Anand Niketan College of Science, Arts and Commerce, Anandwan, Warora is organizing an International e-Conference on **“Innovations in Science, Technology, Humanities, Management & e-Commerce for Sustainable Rural Development”** on 14th & 15th March, 2022. The aim of organizing this International Conference is to provide a platform to exchange ideas and have interactions among scholars & students from the field of Science & Technology, Humanities, Management and e-Commerce.

We will be glad to receive you and your worthy colleagues in the conference. Waiting to extend warm welcome.

About Anandwan:

Maharogi Sewa Samiti, Warora, Anandwan, the Eden Garden for the leprosy patients and the *Divyang* individuals, was founded by Padma Vibhushan Baba Amte. Set up in 1949, Maharogi Sewa Samiti, Warora, Anandwan is probably the only institution on the planet that recasts the hidden and untapped energy of the most neglected and least cared segment of humanity into potential use. Housed in 220 hectares of arid rocky land, Anandwan has grown into a colossus. Baba Amte and his equally devoted wife, venerable Sadhanatai, have become the embodiments of love and devotion to the inmates of Anandwan, who were mostly the outcasts and the thrown-away. Baba's name and workaholic fumes have risen today to the celestial horizons. Hope, Dignity and Self-Respect have become the respective synonyms of Rousseau's Liberty and Fraternity. “Charity destroys, work builds” has become the guiding spirit, and Baba has succeeded in weaving a large and well-defined-refined family of orthopedically handicapped, visually impaired, hearing and speech crippled, young school dropouts and the abandoned. In due course, MSS diversified its focus on such areas as development of land and water resources, enhancement of incomes and sustainable livelihood, imparting formal and vocational education, and sensitization of youth on environmental and socio-economic issues.

About the College:

Anand Niketan College of Science, Arts and Commerce, Anandwan, the embodiment of Baba's creative intellectuality, came into being on June 20, 1964 since then it has been known for academic excellence, inventive pursuits, and athletic dynamism. This magnificence in curricular and extracurricular avenues has persisted to its bloom, and scaled new heights with maturing years. Our college is a multi-stream institution catering to the needs of the young minds, primarily from the rural areas. Attractive buildings, well equipped laboratories, a play-ground with multi-utility outfield, centralized digital library having over 50,000 books, fully developed green campus, multi-purpose auditorium, guest house attached with Anandwan, are the assets our college takes pride in.

However, any educational institution cannot be enlivened only with bricks and mortar. Real grace lies with the professional expertise and edifying devotion of the teachers. Our teacher's quest for excellence is unswerving in the realm of academic exploration. Our college has got mosaic of proficient, competent and academically elevated teachers. Greatly enthused members of the non-teaching staff are there to extend their services to the faculty.

Management, under the dynamic leadership of **Dr. Vikas Amte**, Secretary and **Mr. Kaustubh Amte**, Member, Governing Body, Maharogi Sewa Samiti, Warora, Anandwan is always there to offer its support to the college establishment. Maharogi Sewa Samiti's devotion to the cause and utmost precision in task-mastership has always been a source of inspiration for us.

About the Conference:

This International e-Conference aims to bring scientists, researchers, social reformers, innovators, humanists, economists and renowned speakers from various fields on a common platform to discuss and present interdisciplinary research and innovations for the sustainable rural development.

We hope that, through key-note lectures, research talks and presentations, this e-conference will bring the visionary scholars from across the various fields on a common platform, to deliberate upon the strategies that could be adopted to develop and transform the rural India.

With the participants joining from diverse disciplines and regions, this is a fantastic opportunity to learn in a truly international environment. Leading researchers, scholars and academicians will be joining the event to discuss the most pressing issues and innovations in the way of sustainable rural development, as also the current developments in their respective fields of study.

Conference Themes

Physical Sciences

- Material Synthesis & Characterization
- Luminescence & its Applications
- Ultrasonics
- Electricity & Solar Cell
- Optics and photonics systems
- Electronics in Renewal Energy
- Organic and sustainable electronics
- Sensors and Actuators
- Process control and Instrumentation
- Magnetic Materials

Chemical Sciences

- Nanoscience and technology
- Material characterization, application and instrumentation
- Green & Sustainable chemistry
- Synthetic Chemistry
- Green Energy Technology
- Fuel cell & Batteries
- Industrial chemistry
- Chemical synthesis
- Environmental Chemistry.

Biological Sciences

- Life science for Rural Development
- Tissue Engineering
- Plant Physiology & Biochemistry
- Aquaculture Technology Systems
- Aquaculture Management Systems
- Biodiversity Conservation for Rural Development
- Use of bio-fertilizers and conservation of rural ecosystem
- Insect pest Management
- Biofuels and renewable energy
- Agriculture and Rural Development
- Agricultural Risk Management
- Agricultural Trade
- Irrigation and Drainage
- Fisheries and Aquaculture
- Livestock and Animal Resources
- Organic Farming

Environmental Science

- Renewal Energy for Rural Development
- Environmental engineering and sustainable development
- Water harvesting and conservation
- Rural well-being and innovation
- Low carbon economy for rural areas
- Social inclusion and environmental management to enhance rural well-being
- Community Based Rural Development
- Impact of Environmental changes on Economic and Social aspect of Rural Development
- Forests and Forestry
- Land Resources Management
- Organic Food Production
- Rural Education & Healthcare
- Rural Transport
- Rural Water Supply
- Sanitation and Hygiene

Humanities/ Social Sciences/Language and Literature/Sociology/ Anthropology

- Globalization
- Public Administration
- Public Economics & Finance
- Regional Studies
- Politics
- Economic Geography
- International Relations
- Media & Communications
- Public Policies and its implementation
- Governance
- Reflection of Rural Life in literature
- Rural Development narratives in Language/ Literature
- Role of Literature in Environmental Awareness
- Green Studies
- Poverty and unemployment
- Role of NGO's in Rural Development
- ग्रामीण विकासात ग्रामीण साहित्याची भूमिका. **(The role of rural literature in rural development.)**
- कादंबरी वाङ्मयाचे व संत साहित्याचे ग्रामीण विकासातील योगदान.
(Contribution of fiction writing and saint literature in rural development.)
- कथा वाङ्मयाचे ग्रामीण विकासातील योगदान.
- ग्रामीण विकासात ग्रामीण नाटक व लोकसाहित्याची भूमिका.
(The role of rural drama and folklore in rural development)
- ग्रामीण जीवन आणि शेती संस्कृती. **(Rural life and agricultural culture)**

Commerce/ E-Commerce

- Accounting & Finance
- General Management
- Commerce & Trade
- Marketing Management
- Information Technology Management
- Logistics & Supply Chain Management

- Operations Management
- Technology & Innovation
- Operations Research
- Quantitative Methods & Game Theory
- Industrialization
- Financial Economics
- Energy Economics

- Development Economics
- Emerging Markets
- Applied Econometrics
- Law & Economics
- Impact of GST on Rural Development
- Impact of Demonetization on Rural Development
- Role of Micro Finance on Rural Development