7.2 Best Practices

Best Practice 1:

1. Title of the Practice:

Online International Conference

2. Objectives of the Practice:

This International conference aims to bring together leading academicians, researchers and research scholars to exchange and share their experiences and research results on all aspects of Current Trends In Science Engineering And Technology. It also provides a premier interdisciplinary platform for researchers, practitioners and educators to presents and discuss the most recent innovations, trends and concerns as well as practical challenges encountered and solutions adopted in the fields of current trends in science engineering and technology. From last two years we are successfully conducting this type of online International Conferences for the researchers

We had conducted the Online International Conference on "Recent Trends in Science, Engineering & Technology" on 15th June 2021 to 17th June 2021.

We had also conducted the e- International Conference on "Recent Innovation In Science, Engineering & Technology" ICRISET-2020.

3. The Context

The Conference aims to:

- To motivate Academician to take up research activity in the new area of science, engineering & technology.
- To provide a key platform for the development of researchers with the international and diversified knowledge and experiences.
- To provide and interdisciplinary platform for researchers, practitioners and educators to present and discuss the most recent innovations, trends and concerns as well as practical challenges encountered and solutions adopted in the field.

4. The Practice

The online International Conference provides a wonderful forum to refresh knowledge base and explore the innovations in Engineering and Technology.

It has been planned to provide a suitable platform for the research community, to interact with each other and to share the knowledge. Sessions on different domains, key note addresses from eminent professors and opportunity to network with the researchers helped the participants immensely in their research career.

In conference international speakers were invited for the different sessions.

One of the eminent speaker was Dr. Hamidreza Darabkhani, Professor Mechanical engg Staffordshire University, Stole-on-Trent, United Kingdom. He brief the session on topic "Low Carbon & Renewable Energy Technologies to achieve net zero carbon emission by 2050."

We also had Dr. Abdel Hamid Soliman Assoicate professor ETC form Staffordshire University, Stole-on-Trent, United Kingdom who speaks on topic "Education 4.0- The Future Of Science, Engineering And Technology Education In The Age Of Digital Transformation."

5. Evidence of Success

For this International Conference we had around 330 participants, there were participants from all over the states of India, Starting from Jammu & Kashmir to Kerela and from Rajasthan to Meghalaya.

We were also honored to have the participants from other countries such as Nigeria, Afghanistan, Peru, Philippines and United Kingdom. We conduct this conference by Zoom online portal.

Online International Conference on "Recent Trends in Science, Engineering & Technology" on 15th June 2021 to 17th June 2021.



GOVINDRAO WANJARI COLLEGE OF ENGINEERING & TECHNOLOGY, Nagpur



NAAC Accredited Institution Department of Electrical Engineering In Association with Internal Quality Assurance Cell Organises Online International Conference



on

'Recent Trends in Science, Engineering & Technology"

Date: From 15th June, 2021 to 17th June, 2021

IBJECTIVE OF THE CONFERENCE

this International Conference aims to bring together leading academicians, researchers sexchange and share their experiences and research results on all aspects of Current Trends in Science Engineerin and Technology. It also provides a premier interdisciplinary platform for researchers, practitioners, and educatess present and discuss the most recent innovations, trends, and concerns as well as practical challenges encountered and minimum adopted in the fields of Current Trends in Science Engineering and Technology. The Objective of such

- To motivate Academician to take up research activity in the new area of Science, Engineering & Technology.

 To provide a key platform for the development of researchers with the international and diversified knowledge and experiences
- To provide an interdisciplinary platform for researchers, practitioners and educators to present and discuss the most recent innovations, brends and concerns as well as practical challenges encountered and solution adopted in the field.

GOVINDRAO WANJARI COLLEGE OF ENGINEERING AND TECHNOLOGY

Govindrao Wanjari College of Engineering & Technology was established in 2008 by visionary leader Late Shrisoviadraoji. Wanjari for the noble mission of imparting knowledge. The college is foreing under the dynamic cadership of Honourable Dr. Smt. Subasini Wanjari, President Amar Sewa Mandal; Honourable Adv. Abhijit Wanjarii, UE & Secretary Amar Sewa Mandal, Honourable Dr. Smeetaa Wanjarii, Treasurer, Amar Sewa Mandal. The college is levisdited by NAAC and is affiliated to RTM Nappur University. GWCET offers 12 courses across 3 streams namely FF, Inducering, Management and across 3 degrees like MBA, B.Tech, Diploma.

he institute strictly follows the ethics &code of conduct for students & faculty members, which are reflected from the

PATRONS







CHIEF GUEST



Hon'ble Dr. Hamidreza Gohari Darabkhani Professor, Staffordshire University, Stoke On Trent, UK

PRINCIPAL Engineering & Technology,

> Godhani, Nacour 441204

BRIEF ABOUT SPEAKERS



Date - 15th June 2021, Time: 2:06 pm (SST) - SESSION I

Hom'ble Dr Hamidreza Darabkhand: Professor, Mechanical linginesiring, Staffordabire University, Stoke-On-Trent, United Kingdom

Topic of Talk: Low Carbon & Renewable Energy Techniologies to achieve Net Zero carbon emission by 2050



Date - 15th June 2021, Time: 4:00 pm (IST) - SESSION 2

Hon'ble Dr. Siddhaling Urolagin: Assistant Professor, Computer Science& Engineering Department, BITS - Pilani, Dubai

Topic of Talk: Introduction to Deep Learning and integrating with Mahalanobis Transformation



Date - 16th June 2021, Time: 2:30 pm (IST) - Session 1

Hon'ble DrAbdel Hamid Soliman: Associate Professor, Electronics & Telecommunication Department, Staffordshire University, Stoke-On-Trent, United Kingdom

Topic of Talk: Education 4.0 - The Future of Science, Engineering and Technology Education in the Age of Digital Transformation



Date - 16th June 2021, Time: 4:00 pm (IST) - Session 2

Hon'ble Dr Mayur R Parate: Assistant Professor, HIT - Nagpur,

Maharashtra, India

Topic of Talk: Automated Surveilleince



Date - 17th June 2021, Time: 11:00 am (IST) - Session 1

Hon'ble Dr Ashok K Singh: Professor, Electronics, Space & Atmospheric Physics, University of Lucknow, UP, India

Topic of Talk: Space Weather Understanding

Free Registration Using Link:

https://forms.gle/Fhl2u2ibHkX2Wsie8

ORGANISERS







Organising Committee Members

Mr. Vatbhav Nikam

Mr. Pushkar Jane Mrs. Ashwini Deshmukh

Mr. Ravi Wakodikar

Mr. Ashish Nayak

Mrs. Leena Yelmule

Mr. Chandan Chanchal

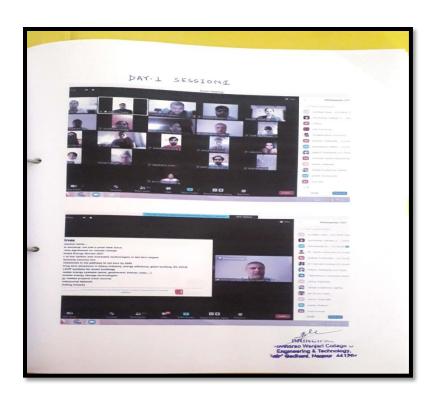
Mr. Ravi Bisne Mrs. Ketiri Shendre

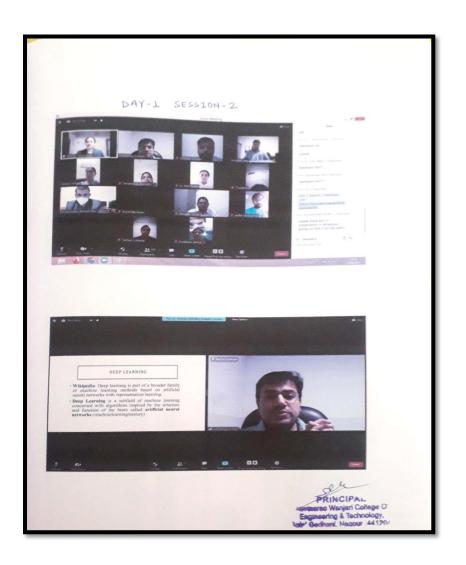
Ms. Darshana Dongre

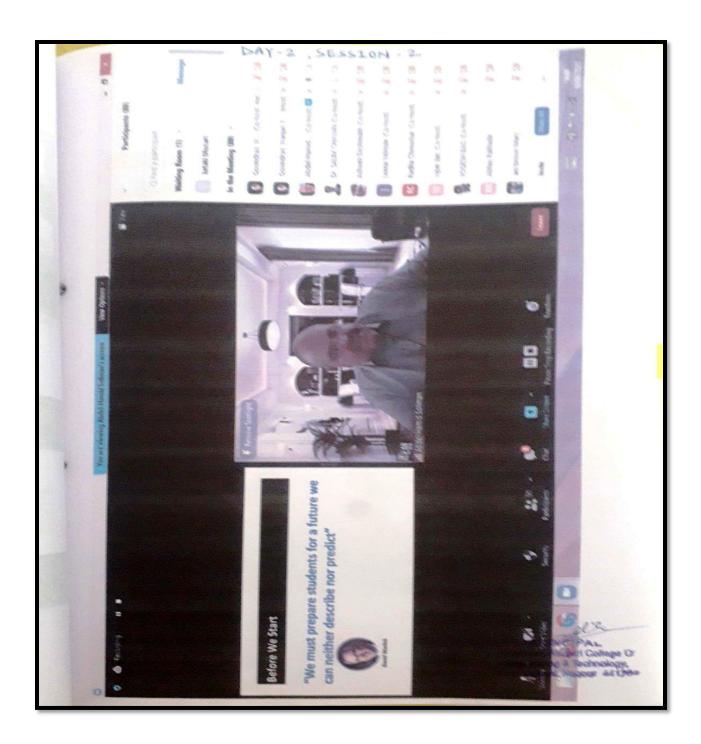
Mrs Bhupali Deshpande

Mr. N.L. Kumbhare

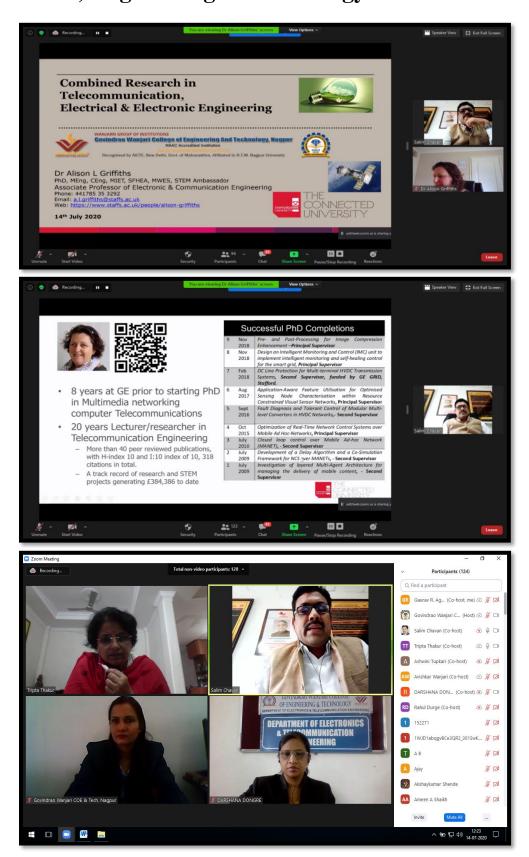
FOR ANY QUERY CONTACT







e- International Conference on Recent Innovations in Science, Engineering & Technology-2020 13/07/2020







Govindrao Wanjari College of Engineering & Technology, Nagpur DEPARTMENT OF ELECTRONICS &



TELECOMMUNICATION ENGINEERING
IN ASSOCIATION WITH IQAC CELL
Organizes

e - International Conference

ON

"Recent Innovations In Science, Engineering & Technology-2020"

Certificate of Participation

This certificate is proudly presented to

HEMANT SHRIPAD JOSHI

Govt Polytechnic Amravati

For his/her active participation in 2 days e-International Conference on "Recent Innovations in Science, Engineering & Technology - 2020" Conducted on 13/07/2020 & 14/07/2020.



Prof. L. A. Yelmule Coordinator & AMC Prof. A. S. Deshmukh Coordinator & HOD ETC

Dr. S. A. Chavan

Dr. S. A. Chavan D Convener & Principal

Fer Tu:

Dr. HemantSonare





Amer Sawa Mandalle

Govindrao Wanjari College of Engineering & Technology, Nagpur, Maharashtra, India (NAAC Accredited Institute)

€-INTERNATIONAL CONFERENCE

ON

"RECENT INNOVATIONS IN SCIENCE, ENGINEERING & TECHNOLOGY-2020"

13th & 14th JULY 2020

ORGANIZED BY

DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION ENGINEERING

Govindrao Wanjari College of Engineering & Technology, 148-149 Salai Godhani Hudkeshwar Road, Nagpur, Maharashtra, India

CHIEF PATRONS Dr. (Smt) Suhasini G. Wanjari President, Amar Seva Mandal

PATRONS

Adv. Abhijeet G. Wanjarri Secretary, Amar Seva Mandal

Dr. Smita A. Wanjarri Treasurer, Amar Seva Mandal

Dr. Hemant S. Sonare Director, Wanjari Group of Institutions

CONVENER

Dr. Salim Chavan

Principal, GWCET, Nagpur

COORDINATORS
Mrs. Ashwini Deshmukh
HOD, ETC Dept, GWCET

Mrs. Leena Yelmule AMC, GWCET



Keynote Speakers



Dr. Abhijit Digalwar Associate Professor in Mechanical Engineering Department,BITS Pilani



Mr. Pravin Ramteke Head Microsoft CoE (Centre of excellence) at Tech Mahindra Hyderabad



Dr.Tripta Thakur Professor, Department of Electrical Engineering, MANIT, Bhopal



Dr. Alison Griffiths Associate Professor Staffordshire University, Stoke-on – Trent, United Kingdom

Best Practice 2:

1. Title of the Practice:

Scientific Temperament: A Role of an Engineer in the Society - Awareness and Practice

2. Objectives of the Practice:

One of the important missions of college is 'To achieve excellence in application based research in technology to contribute to the development of the community'. In spite of this Covid and stay at home situation institute stick with this mission. The goals of **Scientific Temperament** are as follows:

- To provide a prime opportunity in lockdown period of COVID 19 for students to exchange the latest fundamental advances in the Engineering.
- To take up different issues to cope with the rapidly changing hi-tech environment.
- Different webinars were conducted to help aspiring students to acquire a challenging engineering career in life. Webinar session was conducted on online platform.
- Different webinars are organized during this pandemic situation on Yoga and meditation.
- One week online national faculty development program on "Resilience in crisis" also organied.

3. The Context

Social service has a connotation of giving away things for free. This strategy seldom empowers the beneficiary. Instead, working out and implementing an engineering solution to a social problem enables the beneficiary to stand on their own feet. In the process, the enabler as well as the enabled are empowered; the enabled because they are a part of the solution and the enabler because they have learned engineering practices in a given context. In this case, our engineering students are the enablers and hence at the end of the day they become 'competent engineers with the spirit of professionalism and responsible citizenship'.

4. The Practice

Due to the global pandemic and the consequent lockdown the academic world had come to an abrupt halt. Because of the forced closure of educational institutions, the entire higher education system has been badly disturbed. In this type of situation e-learning has emerged as the most effective option – both for the students/ teachers as well as the college.

So overcomes all of this GWCET conducted webinars for the students and faculties also.

A webinar allows for people to attend and conduct a class from anywhere be it their home, a cafe, library or just about any other place they feel comfortable in.

Following are the different webinars/ workshops/ FDPS/ STTPS were conducted by the college.:

- One Week National Level Online STTP On "Effective Online Teaching- Learning Methods: Challenges, Preparation And Use Of ICT Tools".
- Webinar On "Importance Of Project And CAD In Placement"
- Online Webinar on "Energy and Environment Problems facing the 3rd world and their Probable solutions for Sustainable Development"/
- Webinar on "Digitalization and Industry 4.0" by SIEMENS
- Webinar on "Yoga & Meditation for Immunity Enhancement & stay fit".
- A Webinar on "Life mantra for Stress Management during COvid-19 Pandamic" Organisede by Yoga and Meditation Cell.
- A National webinar on Yoga- A way of Life "Find your OM at your Home".
- One week online Naqtional Faculty Development Program On "Resilience Crisis" in collaboratin with Hearfulness Istitute.
- One week international Faculty Development Program (FDP) on "Advanced Materials and Mathematical Tools"

5. Evidence of Success:

The tremendous potential of energetic and enthusiastic engineering students backed by inspired faculty could catalyse a transformation in the living standards of villages. Also **a series of online workshops and webinars on different aspects stand** as a great source of knowledge and provide a wonderful forum to refresh knowledge base and explore the innovations in Engineering and Technology.

Online Webinar on "Energy and Environment Problems facing the 3rd world and their Probable solutions for Sustainable Development"



Govindrao Wanjari College of Engineering & Technology, Nagpur



In Association with
Internal Quality Assurance Cell
Webinar

on

Energy and Environmental Problems Facing the 3rd World & their Probable Solutions for Sustainable Development"



GUEST SPEAKER

Dr D. P. Kothari,
PhD, FNAE, FNASc
Fellow -IEEE, Hon Fellow - ISTE, IETE
Ex Vice Chancellor, VIT, Vellore,
Ex Director, IIT Delhi

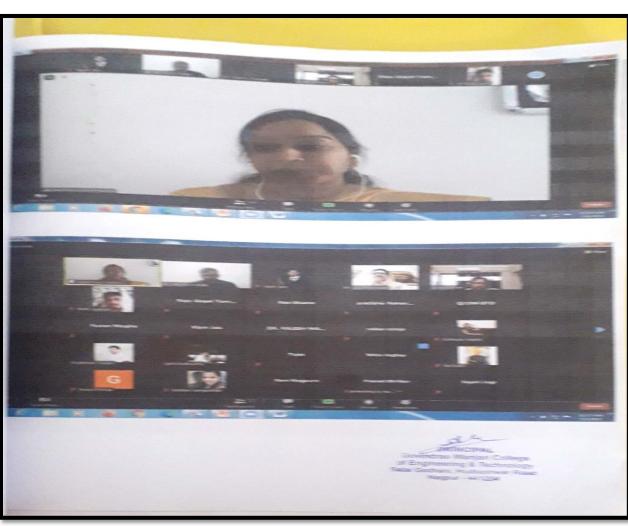
DATE: 4th Feb 2021

TIME: 11.00 am to 12.00 pandrao Wanjari College

PRINCIPAL
PRINCIPAL
Of Engineering & Technology
Salal Godhani, Hudkeshwar Road

MODE OF DELIVERY: ZOOM APPLICATION





Webinar on "Digitalization and Industry 4.0' by SIEMENS

GOVINDRAO WANIARI COLLEGEOF ENGINEERING & TECHNOLOGY, NAGPUR

DEPARTMENT OF ELECTRICAL ENGINEERING

Report on Webinar Conducted by SIEMENS, Pune on dated 21st May 2021

A webinar was scheduled on 21st May 2021 for the students of Govindrao Wanjari College of Engineering & Technology, Nagpur which was conducted by SIEMENS, Pune.

The topic of the Webinar was - "DIGITALIZATION AND INDUSTRY 4.0"

The webinar started at 4.00pm and was concluded at 6.00pm.

Mr. Chetan Kambale, Corporate Trainer, SIEMENS, Mr. Nitesh Bhanushali – SIRAIN Business Development team, Mr. Sandipta Maity – Industry Automation Support Manager, Mr. Abhijit Patil - Business Development Manager, SIEMENS, Director of Wanjari Group of Institutions Dr Hemant Sonare, Principal of Govindrao Wanjari College of Engineering & Technology Dr Salim Chavan were present for this webinar.

A total of 200 participants were actively present in this webinar.

Mr. Avishkar Wanjari, Head of Department, Electrical Engineering Department, GWCET, Nagpur was the coordinator of this webinar. The program was anchored by Ms Payal Suramwar and at the end vote of thanks was given by Mr. Avishkar Wanjari.

Signature A.V. Warjaw

GWCET, Nagpur

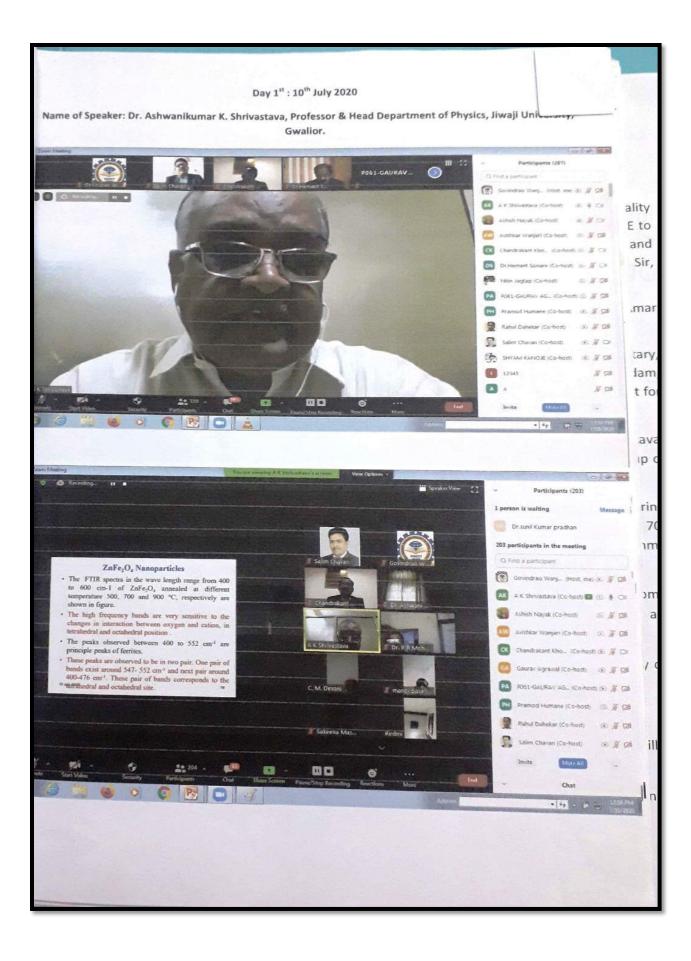
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Govindrao Wanjari College
of Engineering & Technology
Salai Godhani, Hudkeshwar Roari
Nagpur - 441204



One week international Faculty Development Program (FDP) on

"Advanced Materials and Mathematical Tools"





Day 2nd : 11th July 2020

Name of Speaker: Dr. Avinash V. Bharati, Professor & Head, Department of Chemistry, Ramdeobaba College of Engineering & Management, Nagpur.



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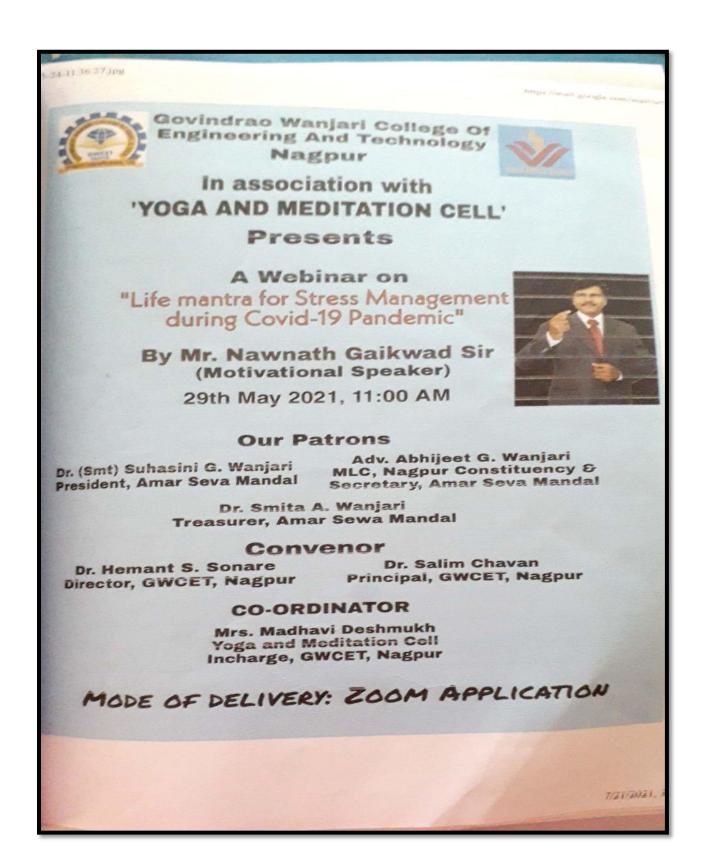
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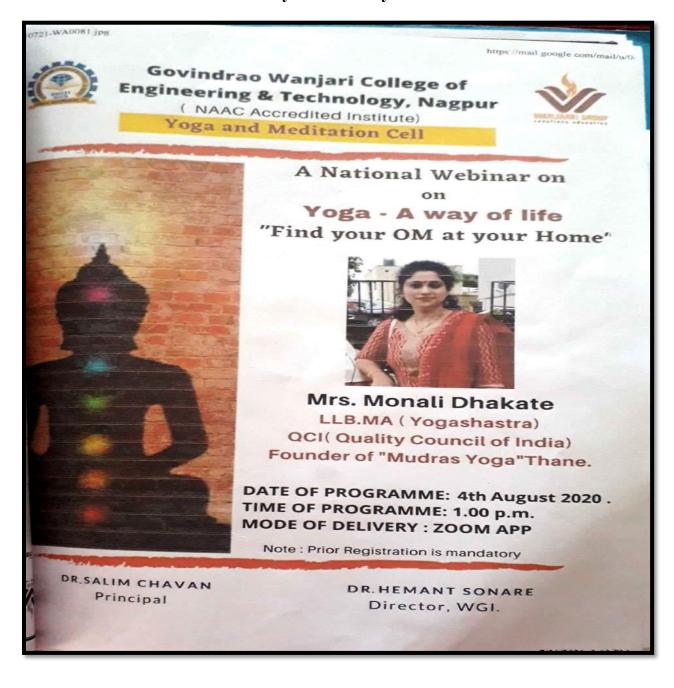
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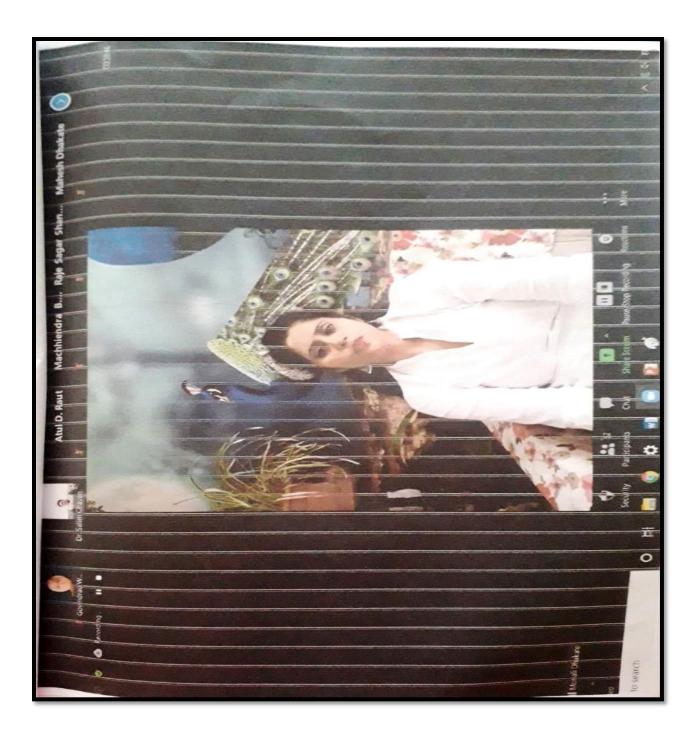
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GOVINDRAO WANJARI COLLEGE OF ENGINEERING & TECHNOLOGY, NAGPUR Amar Sewa Mandal's

(NAAC Accredited Institute)



YOGA & MEDITATION CELL

CERTIFICATE OF PARTICIPATION

This Certificate is presented to

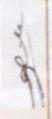
Nikita Wadhaikar

Govindrao Wanjari College Of Engineering And Technology, Nagpur

for attending A National Webinar on 'Yoga - A Way of Life' held on 4th August 2020 organized by Yoga & Meditation Cell of Govindrao Wanjari College of Engineering & Technology, Nagpur, India.



MADHAVI DESHMUKH Incharge, Yoga & Meditation Cell



DR SALIM CHAVAN

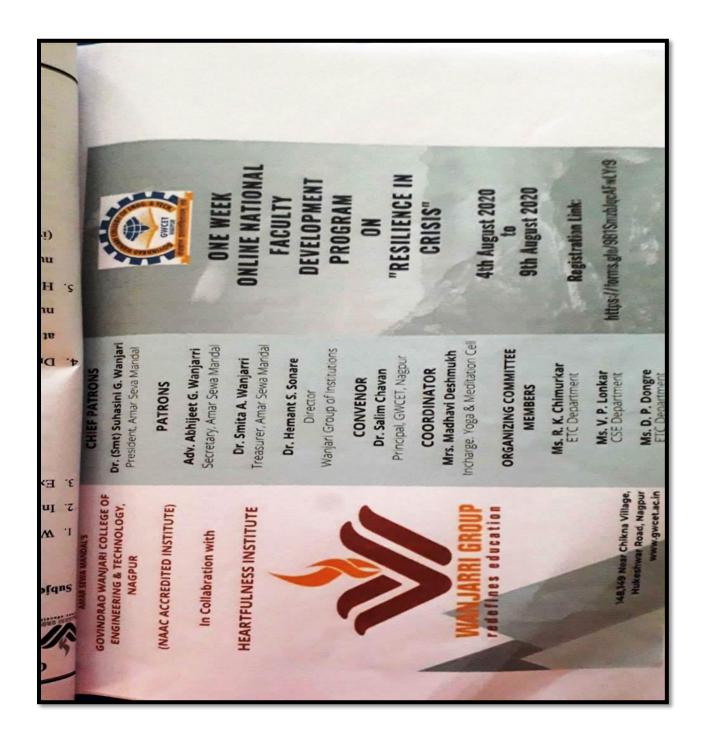
PRINCIPAL, GWCET.

NGP

DIRECTOR, WGL.

DR HEMANT SONARE

One week online Naqtional Faculty Development Program On "Resilience Crisis" in collaboratin with Hearfulness Istitute.



About College:

Govindrao Wanjari College of Engineering & Technology was established in year 2008, is one of the premier institutions in Nagpur. It is a NAAC accredited, AICTE, DTE & RTMNU approved institution. College has three diploma programs, five UG courses in Electronics & Telecommunication Engineering, Computer Science & Engineering, Mechanical, Civil & Electrical & one PG course.

About FDP:

Govindrao Wanjari College of Engineering and Technology, Nagpur in collaboration with Heartfulness Institute is offering a 6 days (1 hour per day) workshop for faculty that allows one to identify their concerns, acknowledge the area of their influence and explore the field over which one may have some control.

Objective of this Faculty Development Programme is to help college faculty take charge of their lives to emerge stronger from the current crisis. The techniques of Heartluiness are simple and practical. We will be covering not only practices of Meditation, Rejuvenation and Inner Connect but also techniques of Anger detox and Fear detox.

To be explored during the 6 days-

4th Aug : Resilience in crisis - Dr A Srikant

5th Aug : Sell-Leadership - Dr Manoj Jethwa

6th Aug : Gratitude - Dr Sudhir Akojwar

7th Aug : Compassion - Ms Sudha Peri

8th Aug : Heartful relationships - Ms Navin Gujral

9th Aug : Aspiration - Dr A Srikant

Details of the program are as follows:

Dates: 4th to 9th August 2020 Time: 4.00 pm to 5.00 pm

Duration: 6 days, one hour daily

Who will conduct: Team of experienced Heartfulness Education Master Trainers

Medium of delivery : English/Hindi Platform: Zoom

- > No Registration Fees
- > E-Certificate to all participants

Who can attend?

Faculty from AICTE Institutions/ Universities and participants from Industry or Govt. Organizations, working in related fields are eligible.

EMINENT SPEAKERS



Prof. Srikant Annavarapu Centre coordinator Heartfulness institutes, Nagpur.

Mr. Manoj Jethwa Zonal in charge of S Connect for Vidarbha region of Heartfulness Institutes





Dr. Sudhir G. Akojwar Dean Students Welfare Government College of Engineering

Mrs Sudha Peri Zonal In-charge of U-Connect of the Heartfulness Institutes for Vicarbha Region





Mrs. Navin Gujral Zonal in charge of S Connect for Vislarbina region of Heart futness insulfaces



Heartfulness Education

This is to certify that

Madhavi Deshmukh

has successfully completed the certificate course titled

Resilience in Crisis

on the topics:

• Resilience

• Self Leadership

· Compassion

· Relationships

· Aspiration

from 4th to 9th August 2020

and has learnt the essential practices of Heartfulness Meditation

for Self Learning & Development

of amush Cals.

Kamlesh D. Patel Global Guide-Hearfulness

Dr. Salim Chaven Principal-GWCET

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