

**DHARAMPETH M. P. DEO MEMORIAL SCIENCE COLLEGE, NAGPUR****3.1.3 Number of Seminars/conferences/workshops conducted by the institution during the year****LIST OF SEMINARS, CONFERENCES & WORKSHOPS ORGANIZED**

<b>Sr. No.</b>	<b>Department</b>	<b>Name of Activity</b>	<b>Date</b>	<b>Guest Speaker</b>	<b>Report by</b>
1.	IQAC Initiative	National Seminar & Interactive Session on "Artificial Intelligence & Cyber Security: New insights for Innovation and start-up ventures organized by Vidarbha Industries Association, Vijnan Bharti & Raman Science Centre, Nagpur In collaboration with Dharampeth M. P. Deo Memorial Science College, Nagpur J. M. Patel Arts, Commerce & Science College, Bhandara Dr. M.K. Umathe College, Nagpur & Bar. Sheshrao Wankhede College College of Arts and Commerce, Khaparkheda, Nagpur (Under Project NAVIN)	21-06-2020	Shri. Upendra Mardikar* Chief Security Officer Snap Finances USA	
2.	Botany	Five Days National Workshop on CSIR-UGC-NET-JRF/LS Preparation in Life Sciences organised in association with Bhavan's College Andheri West Mumbai Shri Shivaji Science College, Amravati Shri Shivaji College of Arts, Comm & Science College, Akola	21 to 25-07-2020	More than 20 eminent Resource Persons as mentioned in activity report	Prof. P. T. Humane
3.	Home Science	World Breastfeeding Week 2020: A webinar on 'Special care of Breastfeeding Mother and Baby during COVID-19 Pandemic' organised in collaboration with	07-08-2020	Ms. Shalini Kotamwar	Mrs. M. Deshpande

		Nutrition Society of India, Nagpur Chapter			
4.	Sports Department	National Webinar on "Stress Management Strategies for competitions" In collaboration with Kreedha Bharti Vidarbha Prant, Nagpur District Amateur Association, IQAC	05-10- 2020	Dr. Anil Kharwade, Former Principal, IDCPE, Member Board of Management LNIPE, Deemed Uni, Gwalior Dr. Ratani M. Thakur, Principal, Orient College of Education Sanpada, Mumbai	Mr. Rahul Kalode
5.	Computer Science	Workshop on Article Writing	13-10- 2020	Dr. Mrs. S. A. Narale	Dr. Mrs. Snehal Narale
6.	Computer Science	A Webinar on webinar on Trends and Opportunities in Cloud Technology and Information Security in association with Department of Robotics and Cloud Technology, RTMNU	22-12- 2020	Mr. Anil Tatode, Training Officer, Department of Robotics and Cloud Technology, RTMNU	Dr. Mrs. Snehal Narale
7.	IQAC Initiative	4 days National Seminar on "Ferroelectrics and Dielectrics 2021", organized by Department of Physics, Rashtrasant Tukadoji Maharaj Nagpur University in Collaboration with Dharampeth M. P. Deo Memorial Science College, Nagpur	10 to 13- 01-2021	<b>Inaugurator:</b> - Hon. Vice Chancellor of RTMNU, Nagpur, Dr. S. G. Chaudhari sir <b>Key Note Speaker:</b> - Dr. R Ramesh, Professor, Dept of Materials Science and Engineering, Dept of Physics, Berkeley Research University of California, USA	Prof. Mrs. Seema Ubale
8.	Physics	Webinar on 'Introduction to	28-02-	Mr. Mohit	Prof. Mrs.

		Drones and Career Prospects in India' on the occasion of National Science Day	2021	Shahane	Seema Ubale
9.	Rotract Club	A webinar on Poster Designing: DESIGN'EM organised in association with Rotract Club of YCCE	20-03-2021		Dr. Mrs. Shraddha Deshpande
10.	Rotract Club	VISUALISING VISIONS A webinar on "How to create a vision Board" was organised in collaboration with Rotract Club of GNIET	08-05-2021	Ms. Priya Acharya	Dr. Mrs. Shraddha Deshpande
11.	Training Placement & Career Guidance Cell	A webinar on "Career opportunities in public health & sanitation sector" organised in association with All India Institute of Local Self Government, Nagpur	22-05-2021		Dr. Mrs. Shraddha Deshpande



**Prof. Pitambar Humane**  
IQAC Co-ordinator

**CO ORDINATOR**  
INTERNAL QUALITY ASSURANCE CELL  
DHARAMPETH, M. P. DEO MEMORIAL &  
SCIENCE COLLEGE, NAGPUR



**Dr. Akhilesh Peshwe**  
Principal

**Principal**  
Dharampeth M.P. Deo Memorial  
Science College, Nagpur.





**DHARAMPETH M. P. DEO MEMORIAL SCIENCE COLLEGE, NAGPUR**  
**INTERNAL QUALITY ASSURANCE CELL (IQAC)**

**Activity Report**

**Date:**25/06/2020

**Name of Organizing Department or Committee:** Vidarbha Industries Association, Vijnan Bharti & Raman Science Centre, Nagpur In collaboration with Dharampeth M. P. Deo Memorial Science College, Nagpur, J. M. Patel Arts, Commerce & Science College, Bhandara, Dr. M. K. Umathe College, Nagpur & Bar. Sheshrao Wankhede College College of Arts and Commerce, Khaparkheda, Nagpur

**Name of the activity:** National Seminar & Interactive Session

**Suggested CRITERION point if any:** III and VI

**Date of Activity:** 21<sup>st</sup> June 2020

**Place of Activity:** Online Zoom Platform

**Name of Guest Speaker/s or Judge/s or Chief Guest/s if any:** Shri. Upendra Mardikar, Chief Security Officer, Snap Finances, USA

**Title of the Activity:** "Artificial Intelligence & Cyber Security: New insights for Innovation and start-up ventures"

**Number of Participants:** Online on Zoom (400+)

**Name of the Teacher In-charge / Convener:** Dr. Akhilesh Peshwe, Principal, Dharampeth Science College, Project NAVIN & Member, Vijnana Bharti, Dr. Prashant Agrawal, VIA Coordinator for Project NAVIN, Secretary, Vidarbha Plastic Industry Association.

**Names of other Committee Members / Staff:** Lt. Dr. Prashant Ambekar, Dharampeth Science College, Dr. Aparna Yadav, J M Patel Arts, Commerce and Science College, Bhandara, Shri. Apurba Pal, Dr. M. K. Umathe College, Nagpur, Dr. Jyoti Selukar, Bar. Sheshrao Wankhede College of Arts, Commerce, Khaperkheda, Nagpur.

**OUTCOME of the Activity with respect to mission vision of the institute and or academics:**

National Seminar and Interactive session on Artificial Intelligence and Cyber Security was very effective and beneficial for the students. The speaker highlighted new insights on effectiveness of AI and Cyber Security on various aspects. Also he presented a very different perspective on scope of growth and utilities, career options in regards of AI and cyber security. The interactive session was also very helpful for the students.

Dr. R. K. Singh, Bhabha Atomic Research Centre, Mumbai inaugurated the webinar. All esteemed management members, Principals, Staff Members and Students from all 5 colleges were present virtually.

Registration Link

<https://forms.gle/928XZBBJ47jKi3Ah8>

Zoom Meeting Link

<https://us02web.zoom.us/j/89313301941>


Meeting ID: 89313301941

Telegram group link

<https://t.me/joinchat/NbeV6FOlenPRrjSo6xjRbQ>

**Activity with newspaper coverage if any:** NIL

**Activity data save in PC of:**



**On June 21<sup>st</sup>, 2020**  
from  
**10:00 am - 12 noon (IST)**

**ARTIFICIAL INTELLIGENCE & CYBER SECURITY:**  
New Insights for Innovations and startups

**IN PRESENCE OF**

**Shri. Vijay Shankar Sharma**  
Head, Research & Innovation Centre, Nagpur

**Shri. Suresh Rathi**  
Professor, VIT

**Shri. Ratnakar Wakhatkar**  
Head, Department of Information Technology, Nagpur

**Dr. Sunil Bhat**  
Professor, VIT & Consulting Manager, Nagpur

**CONFERENCE**

**Dr. Akhlesh Peshwe**  
Principal, Dharampeth M.P. Deo Memorial Science College, Nagpur

**Dr. Prakash Patil**  
Head, Department of Information Technology, Nagpur

**COORDINATORS**  
INNOVATION & INCUBATION CELLS

**Dr. Prashant Ambekar**  
Head, Department of Information Technology, Nagpur

**Dr. Aparna Yadav**  
Head, Department of Information Technology, Nagpur

**Shri. Apurba Pal**  
Head, Department of Information Technology, Nagpur

**Dr. Jyoti Selukar**  
Head, Department of Information Technology, Nagpur

**IQAC COORDINATORS**

**Dr. Karthik Panicker**  
Head, Department of Information Technology, Nagpur

**Dr. Ratnakar Lanjewar**  
Head, Department of Information Technology, Nagpur

**Dr. Sangita Chare**  
Head, Department of Information Technology, Nagpur

**Dr. Sameer Nain**  
Head, Department of Information Technology, Nagpur

Register your name with this link: <https://forms.gle/9Z8XZ8BJ47K13AH8>

Event will be organised on zoom: <https://us02web.zoom.us/j/8931310>

For more details, contact: VIA 0712-250120/2554080 | Email: [vlog@dmde@gmail.com](mailto:vlog@dmde@gmail.com)

*Kulib*  
( Lt. Dr. P. W. Ambekar )

*Ruma*  
Mrs. Ruma Rahul Kapre  
Name & Signature of Teacher In-charge

*Akhlesh*  
Prof. Pitambar Humane  
IQAC Coordinator  
**CO ORDINATOR**  
INTERNAL QUALITY ASSURANCE CELL  
DHARAMPETH, M. P. DEO MEMORIAL &  
SCIENCE COLLEGE, NAGPUR

*Akhlesh*  
Dr. Akhlesh Peshwe  
Principal  
**Principal**  
Dharampeth M.P. Deo Memorial  
Science College, Nagpur.



DHARAMPETH M. P. DEO MEMORIAL SCIENCE COLLEGE, NAGPUR  
INTERNAL QUALITY ASSURANCE CELL (IQAC)

Activity Report

Date: 31/07/2020

**Name of Organizing Department or Committee:** Department of Botany  
**Name of the activity:** National Workshop  
**Suggested CRITERION point if any:** III & VI  
**Date of Activity:** 21 to 25-07-2020  
**Place of Activity:** Online of YouTube Platform: BOTANY 4U. An Online Platform for the Students of Life Sciences  
**Name of Guest Speaker/s or Judge/s or Chief Guest/s if any:** Brochure attached  
**Title of the Activity:** Five Days National Workshop on CSIR-UGC-NET-JRF/LS Preparation in Life Sciences  
**Number of Participants:** Online on YouTube BOTANY 4U (1000+)  
**Name of the Teacher In-charge / Convener:** Dr. Pitambar Humane  
**Names of other Committee Members / Staff:** Dr. Nishikant Wase, Dr. Nitin Labhane, Dr. Tushar Wankhede, Prof. Deepak Koche

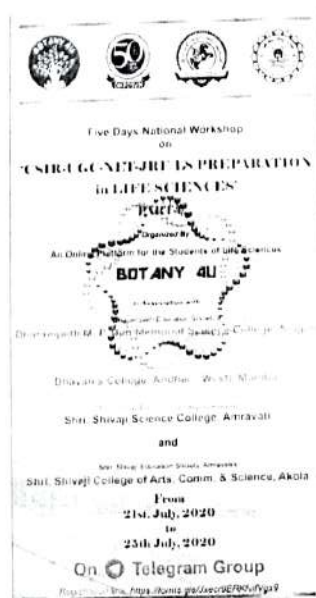
**OUTCOME of the Activity with respect to mission vision of the institute and or academics:**

In the national workshop the experts from in and around country delivered lectures on various topics of life sciences useful in preparation of CSIR-UGC-NET examination. The examination is tough and hence the guidance was provided to the students all over the nation. Most of the students provide very positive feedback and also placed the need of such workshops for them. Such types of activities definitely help the students in academic grooming. Many lecture of this workshop were watched by more than 1000 stakeholders in life sciences. This activity created awareness and importance of the CSIR-UGC-NET examination among the students.

**Activity with newspaper coverage if any:** NIL

**Activity data save in PC of:** DR. PITAMBAR HUMANE'S LAPTOP and online on YouTube Channel botany 4U

**YouTube link:** CSIR-UGC-NET-JRF/LS: PART-01, from 21st to 25th July, 2020 - YouTube







**Program Schedule:**

Sl. No.	Topic	Speaker
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**Dr. Pitambar Humane**  
Name & Signature of Teacher In-charge

**Prof. Pitambar Humane**  
IQAC Coordinator  
**CO ORDINATOR**  
INTERNAL QUALITY ASSURANCE CELL  
DHARAMPETH, M. P. DEO MEMORIAL &  
SCIENCE COLLEGE, NAGPUR

**Dr. Akhilesh Peshwe**  
Principal  
**Principal**  
DHARAMPETH M.P. DEO MEMORIAL  
SCIENCE COLLEGE, NAGPUR.



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**Activity Report**

**Date: 31.08.2020**

**Name of Organizing Department or Committee:** Home Science Department in collaboration of Nutrition Society of India

**Name of the activity:** Webinar

**Suggested CRITERION point if any:**

**Date of Activity:** 07.08.2020

**Place of Activity:** On line mode

**Name of Guest Speaker/s or Judge/s or Chief Guest/s if any:** Ms Shalini Kotamkar as guest speaker

**Title of the Activity:** Lecture on theme "Special care of Breast feeding mother & baby during Covid -19 Pandemic

**Number of Participants:** 40

**Name of the Teacher In-charge / Convener:** Mrs Pradnya Bagalkote & Manju Deshpande

**Names of other Committee Members / Staff:** NIL

**OUTCOME of the Activity with respect to mission vision of the institute and or academics:**

Awareness and importance of mother's milk and promoting awareness regarding postnatal care and importance of healthy nutrition and hazards of malnourishments

**Activity with newspaper coverage if any:** <https://thelivenagpur.com/2020/08/07/51095/>

**Activity data save in PC of:**

**Mrs. Manju Deshpande**

Name & Signature of Teacher In-charge

**Prof. Pitambar Humane**  
IQAC Coordinator

**CO ORDINATOR**  
**INTERNAL QUALITY ASSURANCE CELL**  
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**Dr. Akhilesh Peshwe**  
Principal  
**Principal**  
**Dharampeth M.P. Deo Memorial**  
**Science College, Nagpur.**





**DHARAMPETH M. P. DEO MEMORIAL SCIENCE COLLEGE, NAGPUR**  
**INTERNAL QUALITY ASSURANCE CELL (IQAC)**

**Activity Report**

**Date:** 05/10/2020

**Name of Organizing Department or Committee:** Physical Education Department

**Name of the activity:** National Level Webinar

**Suggested CRITERION point if any:**

**Date of Activity:** 05/10/2020

**Place of Activity:** Online

**Name of Guest Speaker/s or Judge/s or Chief Guest/s if any:**

1. Dr. Anil Karwande (Former Principal, IDCPE.)

Member Board of Management LNIPE, Deemed University Gwalior

2. Dr. Ratani M Thakur Principal, Orient College of Education Sanpada Mumbai

**Title of the Activity:** "Stress Management Strategies for Competitions"

**Number of Participants:** 150

**Name of the Teacher In-charge / Convener:** Dr. Rahul D. Kalode

**Names of other Committee Members / Staff:**

- Dr. A. S. Kulkarni (Vice Principal Sr. clg.)
- Mrs. V. M. Kashikar (Vice Principal Jr. clg.)
- Mrs. D. D. Zalke (Supervizer Jr. clg.)
- Prof. R. B. Lanjewar (IQAC Co-ordinator)
- Dr. S. K. Ubale
- Dr. N. P. Gaikwad
- Dr. P. W. Ambekar
- Dr. P. T. Humane
- Dr. S. A. Deshpande
- DR. A. S. Kale
- Shri. K. S. Urkudkar
- Shri. B. V. Deshkar
- Shri. S. O. Rathod
- Shri. S. P. Kahurke
- Shri. A. B. Moghe

**OUTCOME of the Activity with respect to mission vision of the institute and or academics:**

Managing stress in sports competition means that someone manages, controls and reduces the occurrence of negative stress conflict. The main sources of stress are the athlete's hopes: what you hope to achieve or win in the competition; Fear of failure, anger, frustration, injury, discomfort you would like to avoid. Another stressful situation includes the demand for crowds, muscle tension, more motivation and inability to cope with sensory information.

**Activity with newspaper coverage if any:** NIL

**Activity data save in PC of:** Sports Department



**NATIONAL WEBINAR ON  
"STRESS MANAGEMENT STRATEGIES FOR COMPETITIONS"**

**ORGANISED BY**

**DHARAMPETH EDUCATION SOCIETY, NAGPUR  
DHARAMPETH M.P. DEO MEMORIAL SCIENCE COLLEGE  
"DEPARTMENT OF SPORTS AND PHYSICAL EDUCATION, NAGPUR"  
IN COLLABORATION WITH**

**KREEDA BHARTI VIDHARBHA PRANT NAGPUR DIST,  
AMATEUR ARCHERY ASSOCIATION & IQAC**

**REGISTER NOW: <https://forms.gle/69MSfh1ZCerLzEZ89>**

**5th OCT 2023  
TIME-11:00 AM (IST)  
ON  
ZOOM MEETING  
PLATFORM**

**Patrons**

**Adv. Uthas Aurangbadkar  
President . DES**

**Adv. Sanjeev Deshpande  
Vice President . DES**

**Shri. Ratnakar kekatpure  
Secretary . DES**

**Dr. Anil Karwande  
President Kreedha Bharti  
Yidharbha Prant**

**Shri. Mukul Mule  
President Nagpur Dist. Amateur  
Archery Association**

**ABOUT COLLEGE**

DHARAMPETH M. P. DEO MEMORIAL SCIENCE COLLEGE, NAGPUR, ESTABLISHED IN 1948 IS A GENERIC NAME FOR "EXCELLENCE IN EDUCATION". THE EDUCATIONAL INSTITUTE HAS HAD THE RICH HERITAGE AND HAS WITNESSED A STEADY PROGRESS SINCE ITS INCEPTION.

THE COLLEGE IS SITUATED AWAY FROM THE HUSTLE AND BUSTLE OF THE CITY AGAINST THE BACKDROP OF A BEAUTIFUL LANDSCAPE BLANKETED IN GREEN NEAR AMBAZARI LAKE. THE COLLEGE CAMPUS OFFERS A PEACEFUL & SERENE ATMOSPHERE CONDUCTIVE FOR STUDY.

THE INSTITUTE IS SPREAD OVER A LARGE EXPANSE OF LAND WITH BEAUTIFUL LANDSCAPE. IT HAS EXCEPTIONAL INFRASTRUCTURAL FACILITIES RANGING FROM CONGENIAL AMBIENCE OF PREMISES TO WELL-EQUIPPED LABORATORIES.

OUR COLLEGE IS BLESSED WITH LEARNED AND COMMITTED TEACHING STAFF WHO NOT ONLY STRIVE HARD TO EVOLVE AND INITIATE INNOVATIVE APPROACHES TO SHARE KNOWLEDGE AND EXPERTISE IN VARIOUS FIELDS OF HIGHER EDUCATION BUT ALSO KINDLE CREATIVITY AND INNOVATIONS IN THE STUDENTS. WE WISH TO PROVIDE A STRONG PLATFORM FOR EDUCATIONAL DIALOGUE AND OFFER AN IDEAL PLACE FOR TRAINING AND GROOMING OF THE STUDENTS TO ACCELERATE THEIR CAREER GROWTH. THE COLLEGE PROVIDES A CONGENIAL ATMOSPHERE FOR THE LEARNERS & GIVES EMPHASIS ON ENHANCING THEIR CANVAS THROUGH PLETHORA OF ACTIVITIES THAT ALSO HELP THE STUDENTS IN SELF EXPLORATION.

THE COLLEGE IS AFFILIATED TO RASTRASANT TUKDOJI MAHARAJ NAGPUR UNIVERSITY, NAGPUR AND COMES UNDER THE PURVIEW OF 2F/12B OF UOC ACT 1956. THE COLLEGE IS ALSO REACCREDITED BY NAAC AND AWARDED 'A' GRADE WITH COPA 3.01





**Keynote Speaker**  
**Dr. Anil Karwande**  
 Former Principal, IDCPE, Nagpur  
 Member Board of Management  
 LNIPED, Deemed Univ. GWALIOR



**Resource Person**  
**Dr. Ratani M. Thakur**  
 Principal Oriental College of Education  
 Sanpada, Mumbai (M.H)

**Convenor**

**Dr. A. V. Peshwe**  
 Principal

**Chief Organising Secretary**

**Dr. Rahul .D. Kalode**  
 Physical Education Dept.

**Organising Committee**

**Dr. B.S. Kulkarni**  
 (Vice Principal Sr. College)  
**Mrs. Y.M. Kashikar**  
 (Vice Principal, Jr. College)  
**Mrs. S.D. Zalke**  
 (Supervisor Jr. college)  
**Prof. L.B. Lanjekar** (IQAC Coordinator)  
**Shri. A.B. Moghe**

**Dr.S.S. Uhalu**  
**Dr. N.R. Galimad**  
**Dr. P.W. Ambekar**  
**Dr. P.T. Hummer**  
**Dr.S.S. Deshpande**  
**Dr.S.S. Kule**  
**Shri. K.S. Upadhar**  
**Shri. B.V. Deshpkar**  
**Shri. B.O. Bhatel**  
**Shri. S.P. Kharke**

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No Registration fee  
 Participants will be provided  
 all the facilities like other  
 national level events



[https://www.youtube.com/channel/UC1qU\\_IaQtbwHL3qmd40TKjQ](https://www.youtube.com/channel/UC1qU_IaQtbwHL3qmd40TKjQ)



<https://www.facebook.com/Dharampath-M-P-Deo-Memorial-Science-College-Nagpur-378448046281017/>



<https://www.dharampethscience.com/>



[rahulkalode9@gmail.com](mailto:rahulkalode9@gmail.com)



**Dr. Rahul kalode (Chief organising secretary) - 9860552171**  
**Mrs. Sangita khare - 8433851023**

**Prof. Pitambar Humane**  
 IQAC Coordinator

**CO ORDINATOR**

**INTERNAL QUALITY ASSURANCE CELL**  
**DHARAMPETH, M. P. DEO MEMORIAL &**  
**SCIENCE COLLEGE, NAGPUR**

**Dr. Rahul Kalode**  
 Name & Signature of Teacher In-charge

**Dr. Akhilesh Peshwe**  
 Principal  
**Principal**  
**Dharampeth M.P. Deo Memorial**  
**Science College, Nagpur.**





**DHARAMPETH M. P. DEO MEMORIAL SCIENCE COLLEGE, NAGPUR  
INTERNAL QUALITY ASSURANCE CELL (IQAC)**

**Activity Report**

**Date:** 30/10/2020

**Name of Organizing Department or Committee:** Computer Science Department

**Name of the activity:** One Day Workshop

**Suggested CRITERION point if any: [Criteria V]**

**Date of Activity:** 13<sup>th</sup> October 2020

**Place of Activity:** Online [In House]

**Name of Guest Speaker/s or Judge/s or Chief Guest/s if any:** NIL

**Title of the Activity:** "Writing Scientific Research Article/Paper"

**Number of Participants:** 154-Enrolled, 28-Participants submitted articles.

**Name of the Teacher In-charge / Convener:** Mrs. Snehal Narale

**Names of other Committee Members / Staff:** NIL

**OUTCOME of the Activity with respect to mission vision of the institute and or academics:**

The expected outcome of such type of workshop is to improve quality of scientific writing by the young students which could result in good quality of manuscripts published from the region. It will also increase the understanding of the students about the process of involved in submission and publication of article. They also enhance their practical experience in writing scientific article and better to understand the ethics of conduct and publish the article. It will also help the students to improve their language skills, which was the problem of the writers and publication ethics including plagiarism. 28 students those who were interested in doing research submitted their article. Some of the important outcome of this activity is as follows:

1. It builds students academic profile.
2. As an author, it increases student's credibility.
3. Student's research works will receive more exposure.
4. Most importantly, students will gain more insights into the subject.
5. Builds students professional connection with other researchers and authors.
6. Improves students writing and research skills.

**Activity with newspaper coverage if any:** Nil

**Activity data save in PC of:** Mrs.Snehal Narale

**Response link**

[https://docs.google.com/spreadsheets/d/1gw2sycv9dn49\\_HUBrKvK-tpyBDgltZDZWEro2Reke-g/edit?resourcekey#gid=448366535](https://docs.google.com/spreadsheets/d/1gw2sycv9dn49_HUBrKvK-tpyBDgltZDZWEro2Reke-g/edit?resourcekey#gid=448366535)

## Article on Artificial Intelligence (AI) and Robotics

By Genesh B. Kueumbe

The ethics of AI and robotics is often focused on concerns of various sorts, which is a typical response to new technology. Many such concerns turn out to be either quaint (trains are too fast for seats), some are predictable, going where they suggest that the technology will fundamentally change human telephones will destroy personal communication, writing will destroy memory, video assistants will make going out redundant), some are broadly correct but moderately relevant (digital technology will destroy industries that make photographic film, cassette tapes, or vinyl records), but some are broadly correct and deeply relevant (cars will kill children and fundamentally change the landscape). The task of an article such as this is to analyze the issues and to deflate the non-issues.

Artificial intelligence is an approach to make a computer, a robot, or a product to think how smart humans think. The aim of AI is to improve computer functions which are related to human knowledge, for example, reasoning, learning and problem solving. Studies of artificial intelligence and robotics base their theory and analysis on constructs of automation, robotics, artificial intelligence and machine learning, and automation. In the body of literature, use of robotics, artificial intelligence and machine learning technologies can be used both as independent and as dependent variables as dependent variables to examine factors that encourage or discourage the adoption and use of these technologies impacts a variety of outcomes, such as effects on labor productivity, growth, and firm organization. It is important that organizational scholars carefully define any such constructs in their studies and to avoid confusing the or related but distinct constructs. Artificial intelligence and Machine Learning are products of both science and myth. The idea that machines could think and perform tasks just as humans do is, thousands of years old. The cognitive traits expressed in AI and Machine Learning systems are not new either. It may be better to view these technologies as the implementation of powerful and long-established cognitive principles through engineering.

Robotics is an interdisciplinary research area at the interface of computer science and engineering. Robotics involves design, construction, operation and use of robots. The goal of robotics is to design intelligent machines that can help and assist humans in their day-to-day lives and keep everyone safe. The International Federation of Robotics (IFR), an international industrial group focused on commercial robotics, defines an industrial robot as an "automatically controlled, reprogrammable, multipurpose manipulator, programmable in three or more axes, which can be either fixed in place or mobile for use in industrial automation applications." While this definition is a starting point, other roboticists may differ on dimensions such as whether a robot must be automatically controlled or could be autonomous or whether a robot must be reprogrammable. At a broader level, any machine that can be used to carry out complex actions or tasks in an automatic manner may be considered a robot. Today, we find most robots working for people in industries, factories, warehouses and laboratories. Robots are useful in many ways. Therefore, having robots helps business owners to be competitive, because robots and faster than humans, e.g. robot can build, assemble a car, etc.

## Article on Artificial Intelligence (AI) and Robotics

By Genesh B. Kueumbe

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Artificial intelligence and Machine Learning are products of both science and myth. The idea that machines could think and perform tasks just as humans do is thousands of years old. The cognitive traits expressed in AI and Machine Learning systems are not new either. It may be better to view these technologies as the implementation of powerful and long-established cognitive principles through engineering.

Robotics is an interdisciplinary research area at the interface of computer science and engineering. Robotics involves design, construction, operation and use of robots. The goal of robotics is to design intelligent machines that can help and assist humans in their day-to-day lives and keep everyone safe.

The International Federation of Robotics (IFR), an international industrial group focused on commercial robotics, defines an industrial robot as an "automatically controlled, reprogrammable, multipurpose manipulator, programmable in three or more axes, which can be either fixed in place or mobile for use in industrial automation applications." While this definition is a starting point, other roboticists may differ on dimensions such as whether a robot must be automatically controlled or could be autonomous or whether a robot must be reprogrammable. At a broader level, any machine that can be used to carry out complex actions or tasks in an automatic manner may be considered a robot.

Today, we find most robots working for people in industries, factories, warehouses and laboratories. Robots are useful in many ways. Therefore, having robots helps business owners to be competitive, because robots and faster than humans, e.g. robot can build, assemble a car, etc.

**Prof. Pitambar Humane**

IQAC Coordinator

**CO ORDINATOR**

**INTERNAL QUALITY ASSURANCE CELL  
DHARAMPETH, M. P. DEO MEMORIAL &  
SCIENCE COLLEGE, NAGPUR**

**Mrs. Snehal A. Narale**

**Name & Signature of Teacher In-charge**

**Dr. Akhilesh Peshwe**

Principal

**Principal**

**Dharampeth M.P. Deo Memorial  
Science College, Nagpur.**



**DHARAMPETH M. P. DEO MEMORIAL SCIENCE COLLEGE, NAGPUR**  
**INTERNAL QUALITY ASSURANCE CELL (IQAC)**

**Activity Report**

**Date:** 30/12/2020

**Name of Organizing Department or Committee:** Department of Computer Science in Association with Department of Robotics and Cloud Technology, RTMNU

**Name of the activity:** A Webinar

**Suggested CRITERION point if any: [Criteria V]**

**Date of Activity:** 22<sup>nd</sup> December 2020

**Place of Activity:** Online [In House]

**Name of Guest Speaker/s or Judge/s or Chief Guest/s if any:** Mr. Anil Tatode

**Title of the Activity:** A Webinar on "Trends and Opportunities in Cloud Technology and Information Security"

**Number of Participants:** 119 registered, 85 attended

**Name of the Teacher In-charge / Convener:** Mrs. Snehal Narale

**OUTCOME of the Activity with respect to mission vision of the institute and or academics:** Students understood the diverse of Trends and Opportunities in the field of Cloud Technology and information security. They were more aware about the recent requirement in IT industry with respect to the job. Students were got more detail knowledge about the recent technologies as well as they were more alert about the carrier opportunities in this field.

**Activity with newspaper coverage if any:** NIL

**Activity data save in PC of:** Mrs. Snehal Narale

**Registration link**

**<https://docs.google.com/spreadsheets/d/1onqZbimP8xlCyb2TUo11P3GSu46VhDK3jH9Dy9CcxLk/edit#gid=2078510848>**

**Drive Link**

**<https://drive.google.com/drive/folders/143DKw0Rgdxqjids6ZBzePNYVlH-22C00?usp=sharing>**



**OCE** Bhashwanth (Autonomous) Mahatma Jyotiba Phule University  
Department of Industrial Robotics & Cloud Technology, Nagpur

**DEPARTMENT OF ROBOTICS & CLOUD TECHNOLOGY, BTMMU**  
By Association with  
**DHARAMPETH M. P. DEO MEMORIAL SCIENCE COLLEGE, NAGPUR**  
(INAC ACCREDITED - GRADE 'A' WITH 100 CGPA)  
DEPARTMENT OF COMPUTER SCIENCE  
Organized by  
A One-day Workshop on  
"TRENDS AND FUTURE TRENDS IN CLOUD TECHNOLOGY & INFORMATION SECURITY"

**When:**  
Training (When) 11.00 AM TO 1.00 PM  
Department of Robotics & Cloud Technology, BTMMU  
12th February, (On number 27, 28, 29)

**Register Don Link**  
<https://bit.ly/3DMM06Q>

**Introduction to Cloud Computing**

- User Segments
- What Experts Say
- Revenue Forecast - India
- Revenue Forecast - Global
- Job's Profile in Cloud Technology
- Employment Opportunities in India
- Global Employment Opportunities

**Prof. Snehal Narale**  
In-charge  
Department of Comp. Science  
DMPDMS, Nagpur

**Dr. Jagruti Shah**  
HOD  
Department of Cloud Technology,  
BTMMU

**Dr. Akhilesh V. Peshwe**  
Principal  
DMPDMS, Nagpur

**Mahesh Yelkar**  
Coordinator  
Department of Robotics & Cloud Tech,  
BTMMU

**OCE** Bhashwanth (Autonomous) Mahatma Jyotiba Phule University  
Department of Industrial Robotics & Cloud Technology, Nagpur

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Department of Cloud Technology,  
BTMMU

**Dr. Akhilesh V. Peshwe**  
Principal  
DMPDMS, Nagpur

**Mahesh Yelkar**  
Coordinator  
Department of Robotics & Cloud Tech,  
BTMMU

Robotics & Cloud Technology Department, BTMMU is presenting

**What's the cloud? "Where is the cloud?" "Are we in the cloud now?"**

In the simplest terms, cloud computing means storing and accessing data and programs over the Internet instead of your computer's hard drive.

It is the delivery of on-demand computing resources - everything from applications to data centres - over the Internet on a pay-for-use basis.

*Snehal*

Mrs. Snehal A. Narale  
Name & Signature of Teacher In-charge

*Pitambar Humane*

**Prof. Pitambar Humane**  
IQAC Coordinator  
**CO ORDINATOR**  
**INTERNAL QUALITY ASSURANCE CELL**  
**DHARAMPETH, M. P. DEO MEMORIAL &**  
**SCIENCE COLLEGE, NAGPUR**

*Akhilesh Peshwe*

**Dr. Akhilesh Peshwe**  
Principal  
**Principal**  
**Dharampeth M.P. Deo Memorial**  
**Science College, Nagpur.**



**DHARAMPETH M. P. DEO MEMORIAL SCIENCE COLLEGE,  
NAGPUR  
INTERNAL QUALITY ASSURANCE CELL (IQAC)  
Activity Report**

**Date:** 31/01/2021

**Name of Organizing Department or Committee:** Physics

**Name of the activity:** National Seminar on Ferroelectric and Dielectrics (2021)

**Suggested CRITERION point if any:** 3.1.3

**Date of Activity:** 10-13 January 2021

**Place of Activity:** PGTD Physics RTM Nagpur University & Online Webex platform  
**Name of Guest Speaker/s or Judge/s or Chief Guest/s if any:** The related documents enclosed

**Title of the Activity:** Virtual Seminar on Ferroelectrics and Dielectrics 2021

**Number of Participants:** 250

**Name of the Teacher In-charge / Convener:** Dr. Smita Acharya

**Names of other Committee Members / Staff:** Lt. Dr. Prashant Ambekar, Dr Seema Ubale, Dr Ratnakar Lanjewar, Dr. Nitin Gaikwad, Dr. Varsha Rangari, Dr Vaishali Meshram

**OUTCOME of the Activity with respect to mission vision of the institute and or academics:**

A virtual national seminar on ferroelectrics and dielectrics, NSFD-2021 has been organized in collaboration with the Department of Physics, RTM Nagpur University during 10-14 January 2021. The activity was organized by sharing financially as well as with manpower.

Over two hundred students, researchers and teaching staff members have registered and taken benefits of the activity wherein experts/ invited speakers from not only from within the country but also from foreign were invited to share their current research. Papers were also presented by our faculty members in the conference, which will be published in Ferroelectric journal in near future.

The detailed report from the convener along with the brochure of the conference, participant list, best presentation awardees and website screenshot is also enclosed here.



**Activity with newspaper coverage if any:** provided in the detailed report.

**Activity Data save in PC of:** Lt. Dr. Prashant Ambekar & Prof. Smita Acharya

(Lt. Dr. Prashant Ambekar)

**Name & Signature of Teacher In-charge**

**Prof. Pitambar Humane**  
IQAC Coordinator

**CO ORDINATOR**  
INTERNAL QUALITY ASSURANCE CELL  
DHARAMPETH, M. P. DEO MEMORIAL &  
SCIENCE COLLEGE, NAGPUR

**Dr. Akhilesh Peshwe**  
Principal  
Principal  
Dharampeth M.P. Deo Memorial  
Science College, Nagpur.





**DHARAMPETH M. P. DEO MEMORIAL SCIENCE COLLEGE, NAGPUR**  
**INTERNAL QUALITY ASSURANCE CELL (IQAC)**

**Activity Report**

**Date: 28/02/2021**

**Name of Organizing Department or Committee:** Physics

**Name of the activity:** Online Guest Lecture

**Suggested CRITERION point if any:**

**Date of Activity:** 28/02/2021

**Place of Activity:** Online Google Meet

**Name of Guest Speaker/s or Judge/s or Chief Guest/s if any:** Mr. Mohit Shahane

**Title of the Activity:** 'Introduction to Drones and Career Prospects in India'

**Number of Participants:** 61

**Name of the Teacher In-charge / Convener:** Dr. Mrs. S. K. Ubale

**Names of other Committee Members / Staff:** Dr. P.W. Ambekar

**OUTCOME of the Activity with respect to mission vision of the institute and or academics:**

Students were introduced to the newly emerging world of drones and prospective career opportunities in the field.

**Activity with newspaper coverage if any:**

**Activity data save in PC of:**

**Dr. Mrs. S. K. Ubale**

Name & Signature of Teacher In-charge

**Prof. Pitambar Humane**

**IQAC Coordinator**

**CO ORDINATOR**

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**Dr. Akhilesh Peshwe**

**Principal**  
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**DHARAMPETH M. P. DEO MEMORIAL SCIENCE COLLEGE, NAGPUR**  
**INTERNAL QUALITY ASSURANCE CELL (IQAC)**

**Activity Report**

Date: 30/03/2021

**Name of Organizing Department or Committee:** Rotaract Club

**Name of the activity:** Design'em: Poster Making Workshop

**Suggested CRITERION point if any:** Criteria III, V and VII

**Date of Activity:** 20<sup>th</sup> March 2021

**Place of Activity:** Online

**Name of Guest Speaker/s or Judge/s or Chief Guest/s if any:** Rtr. Trushita Sonkusare (Designer Head) and Rtr.Kshitij Dabre (secretary).

**Title of the Activity:** Design'em: Poster Making Workshop

**Number of Participants:** 57

**Name of the Teacher In-charge / Convener:** Dr.Mrs.Shraddha Deshpande

**Names of other Committee Members / Staff:** in collaboration with Rotaract club of YCCE

**OUTCOME of the Activity with respect to mission vision of the institute and or academics:** To brush the creative skills among the young minds in this digital era by being digital and creative. These posters making event not only brushed up the designing skill but also taught the participants the importance of these posters in marketing and advertising industry.

**Activity with newspaper coverage if any:** Nil

**Activity data save in PC of:** English Department, <https://www.dharampethscience.com/wp-content/uploads/2022/03/ROTARACT-CLUB-REPORT-2020-21.pdf>



**Prof. Pitambar Humane**  
IQAC Coordinator

**CO ORDINATOR**

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**SCIENCE COLLEGE, NAGPUR**

**Dr. Mrs. Shraddha Deshpande**  
**Name & Signature of Teacher In-charge**

**Dr. Akhilesh Peshwe**  
Principal

**Principal**

**Dharampeth M.P. Deo Memorial**  
**Science College, Nagpur.**



**DHARAMPETH M. P. DEO MEMORIAL SCIENCE COLLEGE, NAGPUR**  
**INTERNAL QUALITY ASSURANCE CELL (IQAC)**

**Activity Report**

Date: 30/05/2021

**Name of Organizing Department or Committee:** Rotaract Club

**Name of the activity:** "Visualising Visions"- webinar on how to make a vision board

**Suggested CRITERION point if any:** Criteria III, V and VII

**Date of Activity:** 8<sup>th</sup> May 2021

**Place of Activity:** Online

**Name of Guest Speaker/s or Judge/s or Chief Guest/s if any:** Mrs Priya Acharya

**Title of the Activity:** "Visualising Visions"- webinar on how to make a vision board

**Number of Participants:** 37

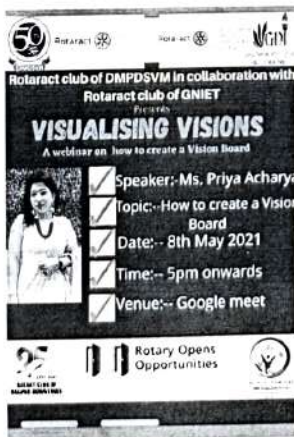
**Name of the Teacher In-charge / Convener:** Dr.Mrs.Shraddha Deshpande

**Names of other Committee Members / Staff:** In collaboration with Rotaract club of GIT

**OUTCOME of the Activity with respect to mission vision of the institute and or academics:** Vision board is a activity where you make a board for motivating yourself and achieving your goals in life, this will help you in sorting out your visions foe your future. In this event Mrs Priya Acharya guided on how to make a vision board and how it helps in our lives. Mrs Acharya is a wonderful guider who not only helped us in understanding our goals and vision but also told us the importance of having such vision boards and to make it useful for our betterment

**Activity with newspaper coverage if any:** Nil

**Activity data save in PC of:** English Department, <https://www.dharampethscience.com/wp-content/uploads/2022/03/ROTARACT-CLUB-REPORT-2020-21.pdf>



Dr. Mrs. Shraddha Deshpande  
Name & Signature of Teacher In-charge

Prof. Pitambar Humane  
IQAC Coordinator

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**DHARAMPETH M. P. DEO MEMORIAL SCIENCE COLLEGE, NAGPUR**  
**INTERNAL QUALITY ASSURANCE CELL (IQAC)**

**Activity Report**

**Date:** 30/05/2021

**Name of Organizing Department or Committee:** Training Placement and Career Guidance Cell

**Name of the activity:** A Webinar on Central Government Recruitment Career Opportunities in Public Health and Sanitation

**Suggested CRITERION point if any:** Criteria V

**Date of Activity:** 22 May 2021

**Place of Activity:** Online

**Name of Guest Speaker/s or Judge/s or Chief Guest/s if any:** Mr. Jayant Pathak, Regional Director at All India Institute of Local Self Government – AILSG

**Title of the Activity:** A Webinar on Central Government Recruitment Career Opportunities in Public Health and Sanitation

**Number of Participants:** 37

**Name of the Teacher In-charge / Convener:** Dr. Shraddha Deshpande

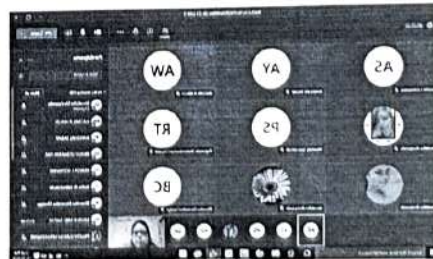
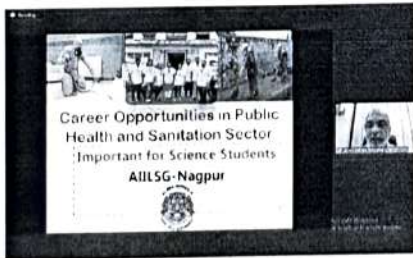
**Names of other Committee Members / Staff:** Nil

**OUTCOME of the Activity with respect to mission vision of the institute and or academics:**

He explained about Sanitary Inspector Courses, Course syllabus in details, different job opportunities.

**Activity with newspaper coverage if any:** Nil

**Activity data save in PC of:** English Department



Dr. Shraddha Deshpande

**Name & Signature of Teacher In-charge**

Prof. Pitambar Humane

IQAC Coordinator

**CO ORDINATOR**

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