



Dharampeth M. P. Deo Memorial Science College, Nagpur

Academic Session: 2020-2021

List of the Curriculum Related Activities

Sr. No	Month	Department	Name of Activity	Date	Guest Speaker
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.		IQAC Initiative	Two Days Faculty Development Programme on Innovations & IPR organised by 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, KHAPARKHEDA, & S.N.MOR COLLEGE, TUMSAR, in collaboration with Rajiv Gandhi National Institute of Intellectual Property Management, Nagpur	20 & 21-07-2020	Mrs. Pooja Maulikar, Examiner of patents and design, RGNIPM, Nagpur Mr. Pankaj Borkar, Dy controller of patents and design, RGNIPM, Nagpur
3.		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 Person
4.		Value Addition Committee	To celebrate Samjik Janiw Diwas, Foundation Day of Dharampeth Education Society : Webinar on "Energy Conservation in Day to Day Life" organised in association with PCAR	07-08-2020	Mr. Pramod Nichat, Retd. AGM, Ashok Leyland External Faculty to PCAR Mr Narayan Jadi, Additional Director, Vidarbha Region, PCAR
5.		Computer Science	Workshop on "Writing Scientific Research Article/Paper"	13-10-2020	Dr. Mrs. S. A. 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
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	Inaugurator: - Hon. Vice Chancellor of RTMNU, Nagpur, Dr. S. G. Chaudhari sir Key Note Speaker: - Dr. R Ramesh, Professor, Dept of Materials Science and Engineering, Dept of Physics, Berkeley Research University of California, USA
8.		Home Science	Seminar on "Role of dieticians in corporate world"	25-01-2021	Dr Renuka Mainde
9.		Physics	Webinar on 'Introduction to Drones and Career Prospects in India' on the occasion of National Science Day	28-02-2021	Mr. Mohit Shahane
10.	January	Physics	Online Poster Competition on the occasion of National Science Day "Future of STI (Science Technology and Innovations)	28-02-2021	
11.	April	Physics	Online Guest Lecture on "Career Opportunities after B.Sc.(Physics)"	25-04-2021	Dr. Mrs. Aarati Wazalwar, Associate Professor, Department of Physics, Dr. Ambedkar College, Nagpur
12.		Zoology	Solid Waste Management by Vermicomposting		



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



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: 21st 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 21st, 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, IQAC, Nagpur

Shri. Suresh Rathi
Professor, VJRA

Shri. Ratnakar Wakhatpure
Head, Seminars, Dharampeth M.P. Deo Memorial Science College, Nagpur

Dr. Sunil Bhat
Professor, VJRA
Consulting Member, National Institute of Entrepreneurship & Innovation

CONFERENCE

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

Dr. Prakash Patil
Head, Seminars, Dharampeth M.P. Deo Memorial Science College, Nagpur

Dr. R.K. Singh
Principal, Dharampeth M.P. Deo Memorial Science College, Nagpur

COORDINATORS
INNOVATION & INCUBATION CELLS

Dr. Prashant Ambekar
Principal, Dharampeth M.P. Deo Memorial Science College, Nagpur

Dr. Aparna Yadav
Head, IQAC, Dharampeth M.P. Deo Memorial Science College, Nagpur

Shri. Apurba Pal
Head, IQAC, Dharampeth M.P. Deo Memorial Science College, Nagpur

Dr. Jyoti Selukar
Head, IQAC, Dharampeth M.P. Deo Memorial Science College, Nagpur

IQAC COORDINATORS

Dr. Karthik Panicker
Head, IQAC, Dharampeth M.P. Deo Memorial Science College, Nagpur

Dr. Ratnakar Lonjewar
Head, IQAC, Dharampeth M.P. Deo Memorial Science College, Nagpur

Dr. Sangita Chare
Head, IQAC, Dharampeth M.P. Deo Memorial Science College, Nagpur

Dr. Sameer Nain
Head, IQAC, Dharampeth M.P. Deo Memorial Science College, Nagpur

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

Event will be organised on zoom: <https://us02web.zoom.us/j/8931330>

For more details, contact: VIA 0712-250120/2554060 | Email: vjangadna@gmail.com

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

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

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

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



Activity Report

Date: 31/07/2020

Name of Organizing Department or Committee: Innovation & Incubation Cell

Name of the activity: Two Days Faculty Development Programme on Intellectual Property Rights

Suggested CRITERION point if any: Criteria- VII

Date of Activity: July 20-21, 2020

Place of Activity: Dharampeth M. P. Deo Memorial Science College Nagpur on ONLINE mode

Name of Guest Speaker/s or Judge/s or Chief Guest/s if any: Mr. Pankaj Borkar & Mrs. Pooja Maulikar

Title of the Activity: Two days' Faculty Development Programme on Intellectual Property Rights

Number of Participants: More than 1784+ (You Tube)

Name of the Teacher In-charge / Convener: Principals of all collaborating colleges

Names of other Committee Members / Staff: Lt. Dr. Prashant Ambekar and All staff members of the collaborating institutes were the participants.

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

A programme to inculcate IPR related values and professional ethics, we jointly have organized the two days' faculty development programme on Innovation & Intellectual Property Rights in collaboration with Rajiv Gandhi National Institute of Intellectual Property Management, Nagpur and other colleges during July 20-21, 2020.

The main resource persons were from the RGNIPM itself namely, Mr. Pankaj Borkar and Mrs. Pooja Maulikar who talked and guided on IPR related issues and information. The programme was conducted online using zoom platform and also parallelly on YouTube channel live on the provided links. Large number of participants were benefited and also getting benefited by the programme as it is available on You Tube channel as well as Facebook. The brochure of the programme including the committee members, IQAC cell coordinators, Innovation & Incubation Cell Coordinators and other college participants is enclosed herewith for ready reference.

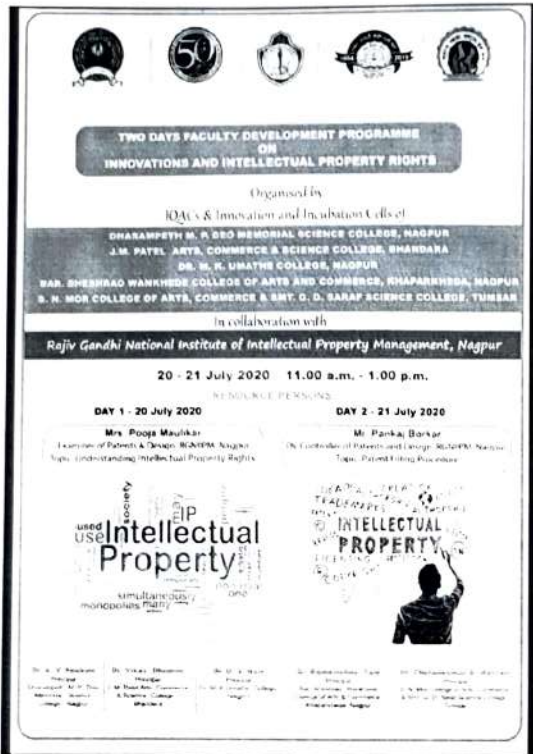
The links of the programme are shared as below.

Day-1 Link: <https://youtu.be/IHfzk0dKdgcg>

Day-2 Link: <https://youtu.be/PVVyTDhupJ8>

Activity with newspaper coverage if any:

Activity data save in PC of: Lt. Dr. Prashant Ambekar & Mrs. Ruma Kapre



TWO DAYS FACULTY DEVELOPMENT PROGRAMME ON INNOVATIONS AND INTELLECTUAL PROPERTY RIGHTS

Organised by
IQAC & Innovation and Invention Cell of

DHARAMPETH M. P. DEO MEMORIAL SCIENCE COLLEGE, NAGPUR
J.M. PATEL ARTS, COMMERCE & SCIENCE COLLEGE, SHARDANA
DR. B. K. LIMATHE COLLEGE, NAGPUR
BAR. SHESHRAO WANKHEDDE COLLEGE OF ARTS AND COMMERCE, KINAPARKHEDA, NAGPUR
S. N. MOR COLLEGE OF ARTS, COMMERCE & SMT. G. D. SARAF SCIENCE COLLEGE, THIMBAR

In collaboration with
Rajiv Gandhi National Institute of Intellectual Property Management, Nagpur

20 - 21 July 2020 11.00 a.m. - 1.00 p.m.

KEYNOTE SPEAKERS

DAY 1 - 20 July 2020
Mrs. Pooja Maulikar
 Lecturer of Patent & Design, IICATM, Nagpur
 Topic: Understanding Intellectual Property Rights

DAY 2 - 21 July 2020
Dr. Pankaj Borkar
 Dr. Controller of Patents and Design, IICATM, Nagpur
 Topic: Patent Filing Procedure

The poster features two word clouds: 'Intellectual Property' and 'INTELLECTUAL PROPERTY'. It also includes a silhouette of a person writing on a board.



DR. PANKAJ BORCAR

DAY 1 - 20 July 2020

DAY 2 - 21 July 2020

The poster lists a detailed agenda for both days, including topics like 'Introduction to IP', 'Patent Law', 'Copyright Law', 'Trademark Law', and 'Design Law'. It also mentions the presence of a panel of experts and a Q&A session.



Lt. Dr. Prashant Ambekar
 Name & Signature of Teacher In-charge



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: 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

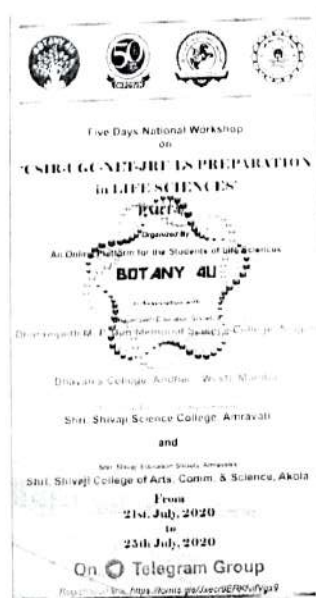
OUTCOME of the Activity with respect to mission vision of the institute and or academics:

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
01	Introduction	Dr. Manojkumar Patil
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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.



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

Activity Report

Date: 07/08/2020

Name of Organizing Department or Committee: Value Addition Committee

Name of the activity: Samajik Janiv Diwas (Founder's Day- 3rd August 2020)

Suggested CRITERION point if any: Suggested criteria-III and VII

Date of Activity: 7th August 2020

Place of Activity: Online

Name of Guest Speaker/s or Judge/s or Chief Guest/s if any: Respected Shri. Rambhau. Khandawe, Janardanswami Yogabhyasi Mandal, Nagpur

Title of the Activity: Webinar "Energy Conservation in Day to Day Life"

Number of Participants: Teaching and Non-Teaching staff of the college

Name of the Teacher In-charge / Convener: Dr. Varsha Rangari

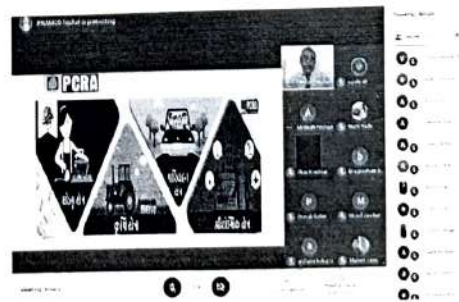
Names of other Committee Members / Staff: Mrs. Ranjana Kulhat, Mrs. Sujata Ali, Mrs. Ashwini Shiledar, Mrs. Iyer, Mr. Kalode.

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

On the occasion of Samajik Janiv Diwas (Founder's Day- 3rd August 2020), a webinar was organized on 7th August 2020 on Topic "Energy Conservation in Day to Day Life" in association with Petroleum Conservation Research Association (PCRA). The speakers were Mr. Pramod Nichat, Retd.AGM, Ashok Leyland, External Faculty to PCRA and Mr. Narayan Jadi, Additional Director, Vidarbha Region, PCRA. Honorable Adv. Ulhas Aurangabadkar president of Dharampeth Education Society, presided the function. Dr. Akhilesh Peshwe principal of the college also gave his views on the topic. 154 Students including college students and teachers registered for a webinar. Mrs. Sujata Ali madam conducted the program and Dr. Mrs Varsha Rangari, Incharge of value Addition Committee gave the vote of thanks.

Activity with newspaper coverage if any: NA

Activity data save in PC of: Dr. V. V. Rangari.



Prof. Pitambar Humane
IQAC Coordinator

CO ORDINATOR

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

Dr. Varsha V. Rangari
Name & Signature of Teacher In-charge

Dr. Akhilesh Peshwe
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: 13th 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

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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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: 22nd 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 (Wednesday) 2020

Register Don Link
<https://bit.ly/1DMM06Q>

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

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 (Wednesday) 2020

Register Don Link
<https://bit.ly/1DMM06Q>

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

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

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INTERNAL QUALITY ASSURANCE CELL (IQAC)
Activity Report

Date: 30/01/2021

Name of Organizing Department or Committee: Home Science

Name of the activity: Seminar on "Role of dieticians in corporate world"

Suggested CRITERION point if any: 5

Date of Activity: 25-01-2021

Place of Activity: online

Name of Guest Speaker/s or Judge/s or Chief Guest/s if any: Dr Renuka Mainde

Title of the Activity: "Role of dieticians in corporate world"

Number of Participants: 40

Name of the Teacher In-charge / Convener: Dr. Srilakshmi Potluri

Names of other Committee Members / Staff: Mrs. Manju Deshpande (Chairperson)

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

Seminar was conducted successfully with over 40 students attending. The resource person spoke about "Role of dieticians in corporate world". Further opportunities for home science students in corporate world were explained.

Activity with newspaper coverage if any:

Activity data save in PC of:

for Mahpande

Dr. Srilakshmi Potluri

Name & Signature of Teacher In-charge

Prof. Pitambar Humane
IQAC Coordinator

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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

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Activity Report

Date: 30/05/2021

Name of Organizing Department or Committee: Physics

Name of the activity: Poster competition

Suggested CRITERION point if any:

Date of Activity: 10/05/2021

Place of Activity: Online

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

Title of the Activity: Poster competition on the National Science day theme 2021 - 'Future of STI (Science, Technology, Innovations): Impacts on Education, Skills and Work'.

Number of Participants: 31

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 made aware of the National Science Day, its importance and relevance of the theme of every year pertaining to the present situation.

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

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Activity Report

Date: 30/04/2021

Name of Organizing Department or Committee: Physics

Name of the activity: Online Guest Lecture

Suggested CRITERION point if any:

Date of Activity: 25/04/2021

Place of Activity: Online Google Meet

Name of Guest Speaker/s or Judge/s or Chief Guest/s if any: Dr. Mrs. Arti Wazalwar
Associate Professor, Department of Physics, Dr. Ambedkar College, Nagpur.

Title of the Activity: An online lecture titled "Career Opportunities after B.Sc.(Physics)"

Number of Participants: 65

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:

The guest speaker in her speech made students aware of different career fields after doing B.Sc. with Physics as one of the subject. She also answered student's queries after delivering the lecture.

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

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Activity Report

Date: 30/05/2021

Name of Organizing Department or Committee: Zoology

Name of the activity: Solid waste management by vermicomposting

Suggested CRITERION point if any: Criteria 7 Best Practices

Date of Activity: 2020-21

Place of Activity: Dharampeth M.P. Deo Memorial Science College Campus

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

Nil

Title of the Activity: Generation of different vermicast sample and its analysis from various waste collected

Number of Participants: Interested students continuously doing since 2017-18

Name of the Teacher In-charge / Convener: Dr. K. M. Paturkar

Names of other Committee Members / Staff:

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

Research paper published with students in International journal

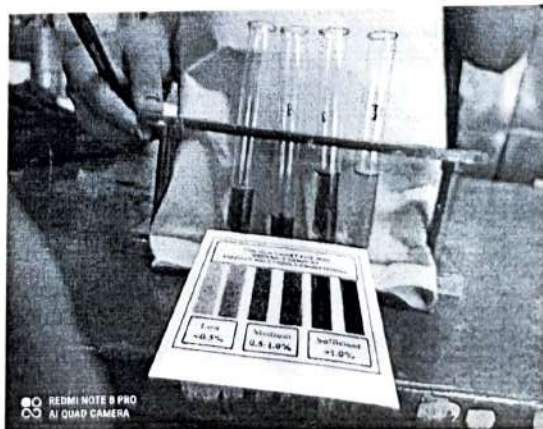
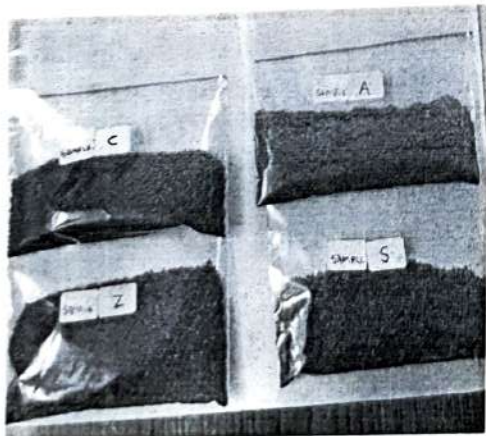
<https://drive.google.com/file/d/1OdldGKu39wpa56lWzZxL5pHph5H21tev/view?usp=drivesdk>

Vermi-composting activity is of immense importance in solid waste management which is beneficial for society and also keep college campus clean.

-It creates awareness among the students about clean environment and best from waste. Analysis will help to know concentration of nutritive elements present in variety of cast generated by different waste for carbon and other important element present in different type of casts. It provides experiential knowledge of subject

Activity with newspaper coverage if any: Nil

Activity data save in PC of: Dr. Mrs. Kirti Paturkar



Original Research Article

Comparative study of vermi-cast generated from flower waste and leaf waste

Paturkar, Kirti, Kulkarni, Prasad and Shambharkar, Sahil

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ABSTRACT

This study evaluates concentration of essential elements (Mg, N, S, P, Ca, Zn, Fe, K, Organic carbon, C:N ratio) for plant growth present in the vermi-cast generated from flower waste and leaf waste. The flower waste from holy places and leaf waste from college yard was collected separately and cast generated from these waste analysed for the comparative study of different trace elements in cast generated from flower and leaf waste using IS and APLA method. Out of all the detected element N, the essential element for plants was found in high concentration in cast generated from flower waste (134.6mg/L) than in leaf waste cast (86.16 mg/L) while potassium (108.30mg/L) and zinc (415mg/L) is in higher concentration in leaf waste cast than the flower waste cast (potassium 94.33mg/L, Zinc 2.805mg/L). This implies cast generated from flower waste and leaves waste separately will be beneficial in overcoming deficiencies of particular essential element in plants.

KEYWORDS

Vermi-cast | Essential elements | Flower waste | Leaf waste | Deficiencies

CITATION

Paturkar, Kirti, Kulkarni, Prasad and Shambharkar, Sahil (2020). Comparative study of vermi-cast generated from flower waste and leaf waste. ESSENCE Int. J. Env. Rehab. Conserv. NI(SP2): 38-41. <https://www.essencejournal.com/10.11208/essence.20.11.SP2.125>



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