


# DHARAMPETH M. P. DEO MEMORIAL SCIENCE COLLEGE, NAGPUR

## 1.2.2 Number of Add on /Certificate programs offered during the year

### CERTIFICATE COURSES APPROVALS

**RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY**  
Established by Government of Central Provinces Education Department by Notification No. 513 dated the 1<sup>st</sup> of August, 1923 & presently a State University governed by Maharashtra Public Universities Act, 2016 (Mah. Act No. VI of 2017)

**DEPARTMENT OF LIFELONG LEARNING AND EXTENSION**  
Gurunanak Bhavan, University Campus, Amravati Road, Nagpur - 440 033. Phone : 2530860  
E-mail : doll\_rtmnu@gmail.com

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To,  
The Principal  
Dharmapeth M.P.Deo Memorial Science College,  
Nagpur.

No.DOLLE/143/21  
Dated : 17.02. 2021

**Subject : Sanction for Conducting Online Short Term Courses under Jeevan Shikshan Abhiyan on No Grant Basis.**

Sir/Madam,

With reference to your proposal for conducting Online Short Term courses indicated below under Jeevan Shikshan Abhiyan of this Department, I am to inform you that your proposal have been accepted by the Department and your College has been granted permission to conduct the online course on the following conditions:

**Details of the Course**

Sr. No.	Name of the Course	Duration	No. of Candidates to be admitted	Fees to be Charged per Student	Fees to be Deposited With the Deptt.
1	Certificate Course in Skill Development for Competitive Exam	60hrs.	71	1200/-	10%
2	Certificate Course in Microsoft Excel 'Zero to Hero'	60hrs.	50	1200/-	10%
3	Certificate Course in R-Console Software	30hrs.	67	1200/-	10%
4	Certificate Course in Digital Marketing	60hrs.	60	1200/-	10%
5	Certificate Course in Full Stack Developer	60hrs.	130 65 per Batch	1200/-	10%
6	Certificate Course in Communication Skills	90hrs.	22	5000/-	10%

**Rules & Regulations of this Department regarding these courses should be strictly followed.**

- Owing to Covid-19 situations all the norms of Central & State Government and instructions by R.T.M. Nagpur University, Nagpur should be strictly followed.
- This sanction is valid for this particular Batch only.
- Fees for the course should be charged as per the norms prescribed.
- Expenditure on the course should be incurred as per norms.
- Course should be started within a Month from the date of sanction.  
Please communicate your acceptance within a month and submit the Initial Report
- Submit the List of Students admitted in the excel format attached herewith.  
Also send a soft copy in CD/Pen drive.

Your's faithfully,



**RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY**  
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E-mail : doll\_rtmnu@gmail.com

To,  
The Principal  
Dharmapeth M.P.Deo Memorial Science College,  
Nagpur.

No.DOLLE/ 65/20  
Dated : 10.12. 2020

**Subject : Sanction for Conducting Online Short Term Courses under Jeevan Shikshan Abhiyan on No Grant Basis.**

Sir/Madam,

With reference to your proposal for conducting Online Short Term courses indicated below under Jeevan Shikshan Abhiyan of this Department, I am to inform you that your proposal have been accepted by the Department and your College has been granted permission to conduct the online course on the following conditions:

**Details of the Course**

Sr. No.	Name of the Course	Duration	No. of Candidates to be admitted	Fees to be Charged per Student	Fees to be Deposited With the Deptt.
1	Certificate Course in Communication Skill & Personality Development	90hrs.	60	1200/-	10%
2	Certificate Course in Vermiculture and Vermicomposting	90hrs.	60	1200/-	10%
3	Certificate Course in Basic Skills in Computer	90hrs.	60	1200/-	10%
4	Certificate Course in Vedic Mathematic	90hrs.	60	1200/-	10%
5	Certificate Course in Latex	90hrs.	44	6000/-	10%
6	Certificate Course in Basic of Jewellery Design and Making	60hrs.	50	1200/-	10%
	Certificate Course in Fresh Water Fish Culture	90hrs.	60	1200/-	10%
8	Certificate course in Basics of Public Health & Nutrition	48 hrs.	74	1200/-	10%

**Rules & Regulations of this Department regarding these courses should be strictly followed.**

1. Owing to Covid-19 situations all the norms of Central & State Government and instructions by R.T.M. Nagpur University, Nagpur should be strictly followed.
2. **This sanction is valid for this particular Batch only.**
3. Fees for the course should be charged as per the norms prescribed.
4. Expenditure on the course should be incurred as per norms.
5. Course should be started within a Month from **the date of sanction.**  
Please communicate your acceptance within a **month and submit the Initial Report**
6. **Submit the List of Students admitted in the excel format attached herewith.**  
**Also send a soft copy in CD/Pen drive.**

Your's faithfully,



Dharampeth Education Society's  
**DHARAMPETH M. P. DEO MEMORIAL  
SCIENCE COLLEGE**  
Near Ambazari Lake, North Ambazari Road, Nagpur 440 033 (M.S.)  
Contact : +91 712 2241372 / 2241490 Fax: +91 712 2241125  
www.dharampethscience.com

0/c.  
**DR. AKHILESH V. PESHWE**  
M.A., M.Ed. (USA), LL.B., Ph.D.  
PRINCIPAL

Contact : +91 94223 13334  
Email : principal\_dsc@rediffmail.com

Ref. No. : DSC/SR/JR/ 142/2020-21

Date : 14/12/2020

To,  
The Director,  
Department of Lifelong Learning and Extension,  
Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur.

Subject: Proposal for Certificate Courses under Jeevan Shikshan Abhiyan

Respected Sir,

Kindly find the detail proposals for the following certificate courses submitted along with this letter for your approval under Jeevan Shikshan Abhiyan for skill development of the students of the college. Thank you so much for your cooperation and support.

The list of Certificate Courses is as follows:

1. Certificate Course in Excel
2. Certificate Course in Tally
3. Certificate Course in R-Statistics
4. Certificate Course in Digital Marketing
5. Certificate Course in Full Stack Developer

Encl: 1. Application Forms

2. Syllabi



Dr. Akhilesh Peshwe

Principal

Principal

Dharampeth M.P. Deo Memorial  
Science College, Nagpur

14/12/2020





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NAAC Accredited - A grade (3.01)

**DR. AKHILESH V. PESHWE**  
M.A., M.Ed. (USA), LL.B., Ph.D.  
PRINCIPAL

Contact : +91 94223 13334  
Email : principal\_dsc@rediffmail.com

Letter No. : DSC/SR/JR/187/2020-21

Date : 22/01/2021

To,  
The Director,  
Department of Lifelong Learning and Extension,  
Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur.

Subject: Proposal for Certificate Courses under Jeevan Shikshan Abhiyan

Respected Sir,

Kindly find the detail proposals for the following certificate courses submitted along with this letter for your approval under Jeevan Shikshan Abhiyan for skill development of the students of the college. Thank you so much for your cooperation and support.

The list of Certificate Courses is as follows:

1. Certificate Course in Skill Development for Competitive Exams
2. Certificate Course in Excel
3. Certificate Course in R-Statistics
4. Certificate Course in Digital Marketing
5. Certificate Course in Full Stack Developer
6. Certificate Course in Communication Skills

Encl: 1. Application Forms

2. Syllabi

  
Dr. Akhilesh Peshwe  
Principal

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





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**DR. AKHILESH V. PESHWE**  
M.A., M.Ed. (USA), U.B., Ph.D.  
PRINCIPAL

Contact : +91 94223 13334  
Email : principal\_dsc@rediffmail.com

Letter No. : DSC/SR/JR/.....

Date : 11/01/2021

To,  
The Director,  
Department of Lifelong Learning and Extension,  
Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur.


Subject: Submission of Initial Report for the Certificate Courses under Jeevan Shikshan  
Abhiyan

Respected Sir,

Kindly find the Initial Report for the following Certificate Courses submitted along with list  
of students admitted, and Time Table.

The list of Certificate Courses is as follows:

1. Certificate Course in Communication Skill and Personality Development
2. Certificate Course in Basic Skills in Computer
3. Certificate Course in Vedic Mathematics
4. Certificate Course in Latex
5. Certificate Course in Basics of Jewelry Design and Making
6. Certificate Course Water Fish Culture
7. Certificate Course in Vermiculturing and Vermicomposting
8. Certificate Course in Basics of Public Health & Nutrition

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



RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY  
 BOARD OF LIFELONG LEARNING AND EXTENSION  
 GURUNANAK BHAVAN, UNIVERSITY CAMPUS, NAGPUR.

RECEIPT

No. **637** Date 21/9/20

Received from Dharmraj P. Joo Muroa  
Scienc College, Nagpur the sum  
 of Rupees forty thousand five hundred forty only by Cash/Cheque/  
 Draft no. 598173 dated 09/9/20  
 on the Bank of Maharashtra  
 in account of 10% fee for Cert. Courses  
Under goven. Shiksha (6 course)

Rs. 40540/-

  
 Director

(Receipt of Cheque/Draft is subject to realization)



Dharampeth Education Society's  
**DHARAMPETH M. P. DEO MEMORIAL  
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*etc*  
**DR. AKHILESH V. PESHWE**  
M.A., M.Ed (USA), LL.B., Ph.D.  
PRINCIPAL

Contact : +91 94223 13334  
Email : principal\_dsc@rediffmail.com

Letter No. : DSC/SR/JR/.....

Date : 7-10-2021

To,  
The Director,  
Department of Lifelong Learning and Extension,  
Rashtrasant Tukadoji Maharaj Nagpur University,  
Nagpur

**Subject:- Submission of Demand Draft of Fees to be deposited with Department**

Respected Sir,  
Kindly find enclosed herewith Demand Draft of Fees to be deposited with the Department of the following Certificate Courses under Jeevan Shikshan Abhiyan. You are requested to kindly issue a receipt of the same for our office record.

Thanking you,

Sr. No	Name of the Certificate Course	No of Students	Fees Per Student	Total Fes	10% of Total Fees
5	Certificate Course in Full Stack Developer (Batch 2)	62	1200	74400/-	7440/-
		Total Rs.		74400/-	7440/-

*Akhilesh Peshwe*  
Dr. Akhilesh Peshwe  
Principal

Dharampeth M.P. Deo Memorial  
Science College, Nagpur

*AP*  
08/10/21

RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY

BOARD OF LIFELONG LEARNING AND EXTENSION  
GURUNANAK BHAVAN, UNIVERSITY CAMPUS, NAGPUR.RECEIPTNo. **639**

Date... 08/10/21

Received from Chayon Patel M.P. Oed  
Memorid Science College, Nagpur the sum  
of Rupees Seven Thousand four hundred forty only  
by Cash/Cheque  
Draft no. 592208 dated 5/10/21  
on the Benefit of Maharajshirs  
account of 10% fees for course under  
Sevan Shiksha Abhiyan - (Full stack  
envelope - Bana - 2)  
Rs. 7400/-

  
Director

(Receipt of Cheque/Draft is subject to realization)





o/c

Dharampeth Education Society's  
**DHARAMPETH M. P. DEO MEMORIAL  
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PRINCIPAL

Contact : +91 94223 13334  
Email : principal\_dsc@rediffmail.com

Letter No. : DSC/SR/JR/.....

Date : 18/9/2021

To,  
The Director,  
Department of Lifelong Learning and Extension,  
Rashtrasant Tukadoji Maharaj Nagpur University,  
Nagpur

**Subject:- Submission of Demand Draft of Fees to be deposited with Department**

Respected Sir,  
Kindly find enclosed herewith Demand Draft of Fees to be deposited with the Department of the following Certificate Courses under Jeevan Shikshan Abhiyan. You are requested to kindly issue a receipt of the same for our office record.

Thanking you,

Sr. No	Name of the Certificate Course	No of Students	Fees Per Student	Total Fes	10% of Total Fees
1	Certificate Course in Skill Development for Competitive Exam	63	1200/-	75600/-	7560/-
2	Certificate Course in Excel 'Zero to Hero'	44	1200/-	52800/-	5280/-
3	Certificate Course in R-Console Software	19	1200/-	22800/-	2280/-
4	Certificate Course in Digital Marketing	55	1200/-	66000/-	6600/-
5	Certificate Course in Full Stack Developer (Batch 1)	61	1200	73200/-	7320/-
6	Certificate Course in Communication Skills	23	5000/-	115000/-	11500/-
		Total Rs.		405400/-	40540/-

21/9/21

21/9/21



Dr. Akhilesh Peshwe  
Principal

Principal

Dharampeth M. P. Deo Memorial  
Science College, Nagpur



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PRINCIPAL

Contact : +91 94223 13334  
Email : principal\_dsc@rediffmail.com

Letter No. : DSC/SR/JR/ cert/108/2021

Date 26-7-2021

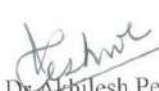
To,  
The Director,  
Department of Lifelong Learning and Extension,  
Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur.

Subject: Submission of Demand Draft of Fees to be deposited with the Department

Respected Sir,

Kindly find Demand Draft of Fees to be deposited with the Department of the following  
Certificate Courses under Jeevan Shikshan Abhiyan.

Sr. No	Name of the Certificate Course	No. of Students	Fees per student	Total Fees	10% of total fees
1	Certificate Course in Skill Development for Competitive Exam	63	1200	75,600	75,60
2	Certificate Course in Excel 'Zero to Hero'	44	1200	52,800	52,80
3	Certificate Course in R- Console Software	19	1200	22,800	22,80
4	Certificate Course in Digital Marketing	55	1200	66,000	66,00
5	Certificate Course in Full Stack Developer ( Batch 1)	61	1200	73,200	73,20
5.	Certificate Course in Full Stack Developer ( Batch 2)	62	1200	74,400	74,40
6	Certificate Course in Communication Skills	64	5000	320,000	320,00
		Total		684,800	684,80

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





DHARAMPETH EDUCATION SOCIETY'S

DHARAMPETH M. P. DEO MEMORIAL SCIENCE COLLEGE, NAGPUR

Session 2020-21

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Name of the Course: Basic Skills in Computer

Name of the coordinator: Dr. Mrs. Snehal Narale

Name of the Faculty : Mrs.Ruma Kapre

Students Enrolled: 49

Students Passed: 49

Objective of the Course:

1. To access the Internet, Worldwide Web, as well as use Internet directories and search engines, and locate www addresses.
2. To understand and learn the basics of communication like e-mail : such as sending, forwarding and receiving mail, attaching documents, creating mailboxes, filters, and address books.
3. To learn basic word processing skills with Microsoft Word, such as text input and formatting, editing, cut, copy and paste, spell check, margin and tab controls, keyboard shortcuts, printing, as well as how to include some graphics such as pictures and charts.
4. To understand and practice MS Power point which will help them to improve/enhance their presentation skills
5. In general, it helps to develop an intuitive sense of how computers work and how they can be used to make our academic work more efficient.
6. To improve financial literacy for banking scheme and applications

Outcome of the course:

1. Recognize when to use each of the Microsoft Office programs to create professional and academic documents.
2. Use Microsoft Office programs to create personal, academic and business documents following current professional and/or industry standards.
3. Apply skills and concepts for basic use of computer hardware, software, networks, and the Internet in the workplace and in future coursework as identified by the internationally accepted Internet and Computing Core (IC3) standards.




Principal  
Name and signature

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



IQAC Coordinator  
Name and signature

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



Course Coordinator  
Name and signature

Dr. Mrs. Snehal  
Narale





Name of the Course: Certificate Course in L<sup>A</sup>T<sub>E</sub>X

Name of the coordinator: Dr. N. P. Gaikwad

Name of the Faculty: Dr. N. P. Gaikwad

Mr. R. K. Thakre

Students Enrolled: 21

Students Passed: 21

**Objective of the course:**

LaTeX is a document preparation system for high-quality typesetting, which is preferably used for technical/scientific papers writing for journals by researchers, engineers and mathematicians at large. The typesetting system offers programmable writing features and extensive facilities for automating most aspects of typesetting. Some useful features of LaTeX are:

- Typesetting of journal articles, technical reports, thesis, books, and slide presentations.
- Control over large documents containing sectioning, cross-references, tables and figures.
- Typesetting of complex mathematical formulae.
- Advanced typesetting of mathematics with AMS-LaTeX.
- Automatic generation of table of contents, bibliographies and indexes.

**Outcome of the course:**

- At the end of the course students will write mathematical documents via LaTeX.offline
- After the course of 90 hours, students write documents containing mathematical formulas, graphs, figures and presentation using LaTeX.
- After 90 hours of training students is able to write articles in different journal styles.

Principal  
Name and signature

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

IQAC Coordinator  
Name and signature

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

Course Coordinator  
Name and signature

(Dr. N. P. Gaikwad)



**DHARAMPETH EDUCATION SOCIETY'S**  
**DHARAMPETH M. P. DEO MEMORIAL SCIENCE COLLEGE, NAGPUR**

Session 2020-21

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Name of the Course: "Freshwater Fish Culture"

Name of the coordinator/ Faculty: Dr. Kirti M. Paturkar

Faculty: Dr. Kishor Waghmare

Students Enrolled: 85

Students Passed: 80

- **Objective of the course:** Impart knowledge about fundamentals of inland fisheries practices so as to increase fish production to meet protein malnutrition as well as providing job opportunities
- Train manpower for the development of inland fisheries.
- Impart knowledge for developing proficiency and management practices in food fishes
- Train personnel for improving reservoir fisheries.
- Develop young entrepreneurs for self-employment through different farming schemes.
- **Outcome of the course:**
  - Students show good understanding about fresh water fisheries, fish breeding and growth.
  - Consider as self employment option.
  - Motivated to start fisheries plant as a start up venture.

IQAC Coordinator  
Name and signature

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

Course Coordinator  
Name and signature

Principal  
Name and signature

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



DHARAMPETH EDUCATION SOCIETY'S

DHARAMPETH M. P. DEO MEMORIAL SCIENCE COLLEGE, NAGPUR

Session 2020-21

Name of the Course: Certificate Course in Jewellery Design and Making

Name of the coordinator: Mrs. Manju Deshpande

Name of the Faculty: Mrs. Kalyani Hingnikar

Students Enrolled: 19

Students Passed: 19

Objective of the course:

- To introduce students of the Nagpur to the vast and promising field of jewellery designing and making.
- Provide Basic knowledge of jewellery designing and making to generate interest of students for opting this field as their carrier.
- To impart basic entrepreneurship skills and professionalism in the students.
- Exhibit the knowledge and understanding of contemporary jewellery as well as history of jewellery designing.
- Demonstrate aesthetic qualities of jewellery and various jewellery components as well as develop the aesthetic skills of students.

Outcome of the course:

- Students will be able to create simple manual designs (mini portfolio) of their own.
- Students will have basic knowledge about raw material required for jewellery making as well as finishing.
- Students will be able to make handmade and thread jewellery and can start earning while learning.
- They will get perfect vision for their further study in this field and will understand how to stand and create place for themselves in jewellery industry.

Principal  
Name and signature

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

IQAC Coordinator  
Name and signature

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

Course Coordinator  
Name and signature

(Mrs. M. M. Deshpande)





DHARAMPETH EDUCATION SOCIETY'S

DHARAMPETH M. P. DEO MEMORIAL SCIENCE COLLEGE, NAGPUR

Session 2020-21

Name of the Course: Basics of Public Health and Nutrition

Name of the coordinator Faculty: Mrs Manju M Deshpande

Students Enrolled: 71

Students Passed: 71

Objective of the course:

Importance to this topic is high globally too. This being a promising field concern of public health is in need. Students should benefit from basic knowledge. Public health & Community Nutrition is needed & is based on foundation of biological & social science & also has importance where & when we talk of health. Imparting them the knowledge will help to gain scientific view in promoting health.

Outcome of the course:

Be social agents of change with the knowledge gain

To understand & master skills in nutritional counseling

Contribute by gaining knowledge of the subject in departments at governmental level.

Gain skill based competencies to implement all stages of public health nutrition cycle

Practice as Public health nutritionist.

Contribute in Government run surveys, Government run programs to a small extent

Work effectively with small projects with NGO's

IQAC Coordinator  
Name and signature

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

Course Coordinator  
Name & Signature

Mrs. Manju M. Deshpande

Principal  
Name and signature

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





DHARAMPETH EDUCATION SOCIETY'S  
DHARAMEPETH M. P. DEO MEMORIAL SCIENCE COLLEGE, NAGPUR

Session 2020-21

Name of the Course: IIT Spoken Tutorial Certificate Course [NMEICT, GOI Sanctioned]

Inkscape

Name of the coordinator and Faculty: Dr. Mrs. Snehal Narale

Students Enrolled: 07

Students Passed: 05

Objective of the Course:

1. To understand an Open source Graphics art and design software application equivalent of CorelDraw and Illustrator.
2. To analyze the use of active learning method through online audio and video tools.
3. To analyze the use of software in short and simple steps.
4. To understand how to replicate the instructions, build and run their own program code.
5. To develop and enhance students reading and listening ability.

Outcome of the course:

1. After completion of the course students can use Inkscape Graphics art and design software application for the editing and creation of original images, icons, graphical elements of web pages and art for user interface elements.
2. After Completion of online assessment test students will get passing/completion certificate as well as participation certificate.
3. At the end of this course student can work on desktop publishing like creating banners, posters, brochures, CD cover image, artwork for textiles, etc.
4. Students can enhance their employability skills after concluding the course.

Principal  
Name and signature

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

Prof. B. D. Humane  
IQAC Coordinator  
Name and signature

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

Course Coordinator  
Name and signature

(Dr. Snehal Narale)



DHARAMPETH EDUCATION SOCIETY'S  
DHARAMPETH M. P. DEO MEMORIAL SCIENCE COLLEGE, NAGPUR

Session 2020-21

Name of the Course: IIT Spoken Tutorial Certificate Course [NMEICT, GOI Sanctioned]  
C and CPP

Name of the coordinator and Faculty: Dr. Mrs. Snehal Narale

Students Enrolled: 33

Students Passed: 06

Objective of the Course:

1. To understand and learn about a particular FOSS (Free and Open Source Software) like, C/C++
2. To analyze the use of software( C and CPP) in short and simple steps.
3. To understand how to replicate the instructions, build and run their own program code.
4. To develop and enhance students reading and listening ability.
5. To understand the use of active learning method through online audio and video tools.

Outcome of the course:

1. After completion of the course students will display the ability to develop their own applications for business and industrial.
2. After Completion of online assessment test students will get passing/completion certificate as well as participation certificate.
3. Students will be able to enhance their reading, listening and programming Skills. They can also understand the Powerful features, simple syntax of these programming languages.
4. Students can enhance their employability skills at the end of the course.
5. Students can widely use this in the process of development of operating systems.

Principal  
Name and signature

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

Prof. P. T. Humane  
IQAC Coordinator  
Name and signature

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

Course Coordinator  
Name and signature

(Dr. Snehal Narale)



DHARAMPETH EDUCATION SOCIETY'S  
DHARAMEPETH M. P. DEO MEMORIAL SCIENCE COLLEGE, NAGPUR

Session 2020-21

Name of the Course: IIT Spoken Tutorial Certificate Course [NMEICT, GOI Sanctioned]  
Introduction to Computers

Name of the coordinator and Faculty: Dr. Mrs. Snehal Narale

Students Enrolled: 165

Students Passed: 107

Objective of the Course:

1. To understand and learn about a particular FOSS (Free and Open Source Software) Introduction to computers.
2. To understand the use of active learning method through online audio and video tools.
3. To develop and enhance students reading and listening ability.

Outcome of the course:

1. After the completion of this certificate course students can practically do setup the configuration of output devices like printer with the machine . along with this they will also get the knowledge about the functioning of basic parts of a computer, connecting the parts using cables.
2. Students will be able to work with the computer environment easily. They can enhance their communication computational skills .
3. After Completion of online assessment test students will get passing/completion certificate as well as participation certificate.
4. Students will be able to enhance their reading, listening Skills.
5. Students can enhance their employability skills at the end of the course.

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Session 2020-21

Name of the Course: IIT Spoken Tutorial Certificate Course [NMEICT, GOI Sanctioned]

Latex

Name of the coordinator and Faculty: Dr. Mrs. Snehal Narale

Students Enrolled: 05

Students Passed: 01

Objective of the Course:

1. To understand and learn about a particular FOSS (Free and Open Source Software) like, Latex
2. To understand the use of active learning method through online audio and video tools.
3. To analyze the use of software in short and simple steps with its working flow.
4. To develop and enhance students reading and listening ability.

Outcome of the course:

1. At the end of this course students can prepare reports, letters and presentations especially useful for persons engaged in writing/ publishing documents from science/ arts/ commerce fields.
2. Students can enhance their knowledge about the functionality of typesetting software.
3. After Completion of online assessment test students will get passing/completion certificate as well as participation certificate.
4. Students will be able to enhance their reading, listening and programming Skills.
5. Students can enhance their employability skills at the end of the course.

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Session 2020-21

Name of the Course: IIT Spoken Tutorial Certificate Course [NMEICT, GOI Sanctioned]  
RDBMS

Name of the coordinator and Faculty: Dr.Mrs.Snehal Narale

Students Enrolled: 04

Students Passed: 02

Objective of the Course:

1. To understand concepts of Relational Database Management System.
2. To understand the working of PostgreSQL which is a powerful, open source relational database system.
3. To develop and enhance students reading and listening ability.
4. To understand the use of active learning method through online audio and video tools.
5. To understand the various programming interfaces for C/C++, Java, Perl, Python, Ruby etc.

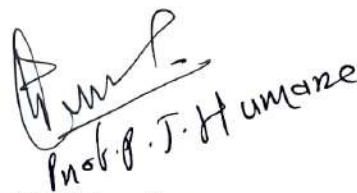
Outcome of the course:

1. After completion of the course students can work with all modern database systems like MS SQL Server, IBM DB2, Oracle, MySQL, PostgreSQL and Microsoft Access.
2. After Completion of online assessment test students will get passing/completion certificate as well as participation certificate.
3. Students can work with industry database management after the successful execution of this course.
4. Students can enhance their employability skills at the end of the course.



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Session 2020-21

Name of the Course: IIT Spoken Tutorial Certificate Course [NMEICT, GOI Sanctioned]

Libreoffice suite Base

Name of the coordinator and Faculty: Dr. Mrs. Snehal Narale

Students Enrolled: 09

Students Passed: 02

Objective of the Course:

1. To understand and learn about a particular FOSS (Free and Open Source Software) like, LibreOffice Suite base.
2. To understand the use of active learning method through online audio and video tools.
3. To develop and enhance students reading and listening ability.
4. To understand how Base caters to power users and enterprise requirements and providing native-support drivers for some of the most widely employed multi-user database engines like MySQL, MS Access and PostgreSQL.

Outcome of the course:

1. At the end of this course student trains in computer usage skills in Libreoffice suite base.
2. After the Completion of online assessment test students will get passing/completion certificate as well as participation certificate.
3. Students will be able to enhance their reading, listening and programming Skills.
4. Students can enhance their employability skills at the end of the course.
5. Students will be able to understand full-featured desktop database front end which is designed to meet the needs of a broad array of user's .They can represent and store their information using this in a systematic manner.

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Session 2020-21

Name of the Course: Certificate Course in Communication Skills and Personality Development

Name of the coordinator: Dr.Mrs.Shraddha Deshpande

Name of the Faculty: Dr.Mrs.Shraddha Deshpande

Ms.Aditi Pal

Mrs.Vinit kaur

Students Enrolled: 60

Students Passed: 58

Objective of the course:

- To develop students' interactive skills so that they will be employable.
- To develop their ideas and concepts about effective communication so that their intra personal and inter personal relationships will be healthy.
- To give them opportunity to learn and practice the personality development techniques in order to develop their competence in their personal and professional life.

Outcome of the course:

After 90 hrs of coursework:

- At the end of the course students will display the ability to produce conducive working environment in professional as well as personal situations, using the verbal and nonverbal skills they have mastered.
- After the course of 90 hours students' interpersonal skills and interaction abilities get enhanced with individuals and in groups.
- After completion of the training students can convey ideas and thoughts without hesitation and at fair ease.

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**Dr. Shradha Deshpande**





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Session 2020-21

Name of the Course: **Vermicomposting And Vermiculturing**

Name of the coordinator/Faculty: Dr. Kirti M. Paturkar

Students Enrolled: 71


Students Passed: 71

**Objective of the course**


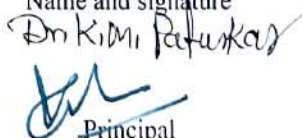
- Vermicomposting is eco-friendly activity as it does not contain chemical elements, to develop awareness among the people about vermicomposting and increase use of organic product.
- To avoid use of hazardous chemicals and its adverse effect on the environment, soil, and plants.
- To reduce Soil compaction by boosting the soil aeration and improve soil texture.
- Owing to its high organic matter content, it improves the soil's water retention capacity
- To find out both the micro and macronutrients of the different casts
- To develop students interest in research activities.

**Outcome of the course:**

- The students get the knowledge of vermicomposting and culturing
- Students are able to work for oneself or develop business
- They will also turn towards organic farming.
- Students developed skill to generate variety of vermicast from variety of waste and analyzed its nutritive elements.

  
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Session 2020-21

Name of the Course: R Program Statistics course

Name of the coordinator/Faculty: Dr. Mrs. Seema K.Ubale

Students Enrolled:20


Students Passed:20

**Objective of the course:**

To teach students – what is R program? What is its importance? Why and where to use R program? The students will be trained to use this software as calculator, simple operations and functions in R program. The descriptive calculations in R program include mean, median and mode, graphical representation.

**Outcome of the course:**

- R- program offers a wide variety of statistics related libraries and provides a favorable environment for statistical computing and design.
- Use of R for data importing and cleaning.
- Use of R for data analysis and developing statistical software.

  
Prof. P.T. Humane  
IQAC Coordinator  
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(Dr. Mrs. S.K. Ubale)

  
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Name of the Course: IIT Spoken Tutorial Certificate Course [NMEICT, GOI Sanctioned]

Arduino

Name of the coordinator and Faculty: Dr. Mrs. Snehal Narale

Students Enrolled: 06

Students Passed: 04

Objective of the Course:

1. To understand and learn open source hardware, software and microcontroller tool kit.
2. To understand the use of active learning method through online audio and video tools.
3. To understand how to write, build and run own program code.
4. To develop and enhance students reading and listening ability.
5. To recognize how arduino empowers creative minds to master technology and intuitively solve everyday problems.

Outcome of the course:

1. After completion of the course students will display the ability to write their own programs which help them for building digital devices and interactive objects that can sense and control physical devices.
2. After Completion of online assessment test students will get passing/completion certificate as well as participation certificate.
3. Students will be able to enhance their reading, listening and programming Skills.
4. Students can enhance their employability skills at the end of the course as hardware professional.



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Course Coordinator  
Name and signature

(Dr. Snehal Narale)



Name of the Course: Certificate Course in Vedic Mathematics

Name of the coordinator: Dr. N. P. Gaikwad

Name of the Faculty: Dr. N. P. Gaikwad

Mr. Sunil Patankar

Students Enrolled: 64

Students Passed: 64

**Objective of the course:**

Globally we are facing a crisis in Math education. Math phobia is prevalent globally among students, teachers and even parents. There is an acute scarcity of math teachers around the world so much so that no one wants to become a Math teacher anymore. So the objective is to make math fun filled and arise interest which in turn will increase the speed and accuracy in various competitive and placement exam.

The basic objective of Vedic Mathematics is to make mathematics easy and interesting. After attending the course, students become conceptually strong in Mathematics and able to solve complex mathematical problems faster and easier.

**Outcome of the course:**

- At the end of the course students will improved academic performance and instant results.
- After the course of 90 hours, sharpens students minds, increases mental agility and intelligence;
- After 90 hours of training, increases visualization and concentration in students.



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Dr. N. P. Gaikwad  
IQAC Coordinator  
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Dr. N. P. Gaikwad





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Name of the Course: Certificate Course in Skill Development for Competitive examinations

Name of the coordinator: Dr.Mrs.Shraddha Deshpande

Name of the Faculty: Mr. Rahul Vaidya

Students Enrolled: 63

Students Passed: 63

Objective of the course:

- To develop students' skills for Competitive examination so that they will get employment.
- To develop their ideas and concepts about Competitive Aptitude so that their performance in various Competitive examinations will be improved.
- To give them opportunity to appear for various Competitive Examinations for entry in services.

Outcome of the course:

After 60 hrs of coursework:

- At the end of the course students will be able to understand concepts of topics which are asked in Competitive examinations
- The students will use time management techniques to solve the questions effectively.
- After completion of the training the students can adapt and practice easier methods in the subjects of competitive exams.

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Course Coordinator  
Name and signature

Dr. Mrs. Shradha  
Deshpande





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Session 2020-21

Name of the Course: Full Stack Developer

Name of the coordinator: Dr. Mrs. Snehal Narale

Name of the Faculty: Mr. Madhav Jha

Students Enrolled: 123

Students Passed: 109

Objective of the Course:

1. To understand the technology use in full stack developer and career guidance work as a freelance.
2. To enhance and develop programming language skill.
3. To understand the entire development chain for an app or website, can code front-end to back, and are comfortable with several languages and technologies.
4. To Learn and understand the latest frameworks and technologies, including JavaScript ES6, Bootstrap 4, MySQL

**Outcome of the course:**

1. After the completion of the course students can develop /craft a portfolio of websites to apply for junior developer jobs.
2. Students will be able to build ANY website.
3. At the end of the course students can develop a hybrid Mobile APPS (iOS, APK)
4. Students can enhance their employability skills in various areas like Code games & animations with CSS3 and jQuery of technology after the end of the course.

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(Dr. Mrs. Snehal  
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Session 2020-21

Name of the Course: **UGC's Certificate Course in Bioinformatics**

Name of the coordinator: Dr.Mrs.Archana Kulkarni

Name of the Faculty: Dr. Mrs.Snehal Narale

Dr.Richa Bafna

Students Enrolled: 79

Students Passed: 79

**Objective of the course:**

- a. This certificate course is targeted towards imparting theoretical as well as practical knowledge and required skills of Bioinformatics to its participants.
- b. It provides basic knowledge of fundamentals of computing & networking and various operating systems like WINDOW, LINUX and UNIX.
- c. To provide insights to programming languages like BioPerl and BioJava in developing Bioinformatics tools.
- d. To introduce the students to Markup languages like HTML and XML.

**Outcome of the course:**

- a. Students will develop their skills regarding softwares used in Bioinformatics, different computational methods in biostatistics, biological databases for proteins and nucleic acids and its sequence analysis, prediction of protein structure, genome annotation, comparative genomics, health and drug discovery and microarray profiling.
- b. Students gain knowledge about Markup languages to develop basic web page.
- c. Students learn about basics of programming languages like C, CPP, JAVA, Bioperl etc which would help them to develop different tools in bioinformatics.

Dr.A.V.Peshwe  
Principal  
Principal

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Dr.P.T.Humne  
IQAC Coordinator

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Dr.A.S.Kulkarni  
Course Coordinator



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Name of the Course: Microsoft Excel Zero to Hero

Name of the coordinator/Faculty: Dr. Mrs. Seema K.Ubale

Students Enrolled:17

Students Passed:17

**Objective of the course:**

- Managing numbers is very essential for Statistics students and being able to use spread sheet is also essential in the most professional context. Having such a skill can simplify one's day to day work and decision making ability as well.

-The course is designed to impart knowledge of the most popular spread sheet program of the world.-

**Outcome of the course:**

The course will improve confidence of the students and also increase software application skill.

Identify the different components of the Excel work sheet.

Differentiate between an Excel workbook and work sheet.

Communicate in professional context with spreadsheets.

  
Prof. B. J. Humane  
IQAC Coordinator

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Session 2020-21

Name of the Course: Certificate Course in Communication Skills

Name of the coordinator: Dr. N. P. Gaikwad

Name of the Faculty: Shri. Mohan Hardas

Shri. Sandip Bhoyar

Students Enrolled: 23

Students Passed: 23

Objective of the course:

- To understand and apply communication theory effectively at workplace.
- To introduce students to various levels of organizational communication and communication barriers along with the strategies to overcome them.
- To impart the correct practices of the strategies of effective business communication.

**Outcome of the course:**

**After hrs of coursework:**

- At the end of the course students will understand the role of communication in personal & professional success.
- After the course of 90 hours students' will be able to develop awareness and further use communication strategies.
- Students will be able to identify common misconceptions about communication and the methods to overcome them to attain efficient workplace outcomes.

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