



DHARAMPETH M. P. DEO MEMORIAL SCIENCE COLLEGE, NAGPUR

6.5.2 The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities

The Progress Report of IIT Spoken Tutorial Certificate Course

- In the world of digitization, the implementation of ICT in higher education is the need and demand of this era. The Spoken Tutorial project take an initiative of the 'Talk to a Teacher' activity of the National Mission on Education through Information and Communication Technology (ICT), launched by the Ministry of Human Resources and Development, Government of India.
- It is envisaged that professionally qualified graduates with a sound knowledge of their core discipline and expertise in a concerned skill will have openings in service, industry and self-employment sectors.
- Demand and scope for such professionally trend graduates are visible in the applied fields of almost all basic and core disciplines and faculty in the changing global scenario and are likely to increase in the future.
- Under IIT Spoken Tutorial project the college was introduced the certificate course in the year, 2017-2018. At the beginning of this certificate course only one course(C and CPP) was introduced for computer science students only then after 2-3 years all the students benefited with this certificate course. Progressively more number of courses were added and offered to the students by the college. Since then the course is running smoothly, computer department of the college provided training to the students. The faculty trained the students in offline mode. But in COVID-19 pandemic situation due to online mode of teaching, learning and flexibility of timing a sudden spurt in the no. of students getting benefited from this course.
- Many students get benefited with more than one certificate course which will help them to enhance and increase their concept clarity of the subject. College was introduced level wise courses to the students starting from introduction to Computers.

Year Wise List of the courses under IIT spoken Tutorial:

S. No.	Year	Course Name
1	2017-2018	C and CPP
2	2018-2019	1. Java 2. Linux 3. C & CPP 4. Libreoffice Suite
3	2019-2020	1. Introduction to Computers 2. C and CPP 3. Arduinio 4. Inkscape 5. Python Latex 6. Advanced CPP
4	2020-2021	1. Introduction to Computers 2. C and CP 3. Arduinio 4. Latex 5. Inkscape 6. Libreoffice Suite 7. RDBMS

The progress report of this IIT Spoken Tutorial Certificate course is given below.

Sr. No.	Year	No. of students Enrolled	Percentage of Student Passed
1	2017-2018	46	36.66
2	2018-2019	63	69.04
3	2019-2020	164	51.42
4	2020-2021	229	67.19

- The more details are available on college website.


Dr. Snellal A. Narale

Programme Coordinator


Prof. P. T. Humane

IQAC coordinator


Dr. Akhilesh Peshwe

Principal

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

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



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The Progress Report of COC in Bio-informatics

- Globalization of education and economy has led the HEI to reorient its existing programmes to make the education system more relevant and career oriented with focus on quality and excellence.
- It is envisaged that professionally qualified graduates with a sound knowledge of their core discipline and expertise in a concerned skill will have openings in service, industry and self-employment sectors.
- Demand and scope for such professionally trend graduates are visible in the applied fields of almost all basic and core disciplines and faculty in the changing global scenario and is likely to increase in the future.
- To meet these challenges in the XI th plan of UGC various career oriented Add-on skill based certificate courses were introduced, inline of this, our college opted for COC in Bio-informatics. This course was introduced in the year, 2008 in the college. Since then the course is running smoothly, however some problem were faced by the students for getting enrolled in the subject. This was due to offline mode of teaching and timetable constraints. But in **COVID-19** pandemic situation due to online mode of teaching and flexibility of timing a sudden spurt in the no. of students getting enrolled was observed.


The progress report of this COC course is given below.

S. No.	Year	No. of Students Enrolled	Percentage of Student passed
1	2017-2018	09	100 %
2	2018-2019	00	--
3	2019-2020	09	100%
4	2020-2021	79	100%

The more details are available on college website.


Dr. A. S. Kulkarni

Programme Coordinator


Prof. P. T. Humane

IQAC coordinator


Dr. Akhilesh Peshwe

Principal

CO ORDINATOR
INTERNAL QUALITY ASSURANCE CELL
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Report of Online Short Term Certificate Courses under Jeevan Shikshan Abhiyan

- In the age of competition, the hiring authorities demand their future employees to be competent in subject area as well as life skills.
- It is observed that learning these skills through well designed certificate courses which involves specific duration and objectives can enhance their employability skills.
- In order to motivate learners for their professional development and sustainability in future, there is a need to provide them knowledge and training in these areas through appropriate certifications.
- Considering the above factors, the college introduced Online Short-Term Certificate Courses under Jeevan Shikshan Abhiyan of Department of Lifelong Learning and Extension of Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur from the session 2020-2021. Fourteen courses were introduced as add-on courses to develop students' life skills, update subject skills and improve communication skills.

The list of the following 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 Excel
9. Certificate Course in Tally
10. Certificate Course in R-Statistics
11. Certificate Course in Digital Marketing
12. Certificate Course in Full Stack Developer
13. Certificate Course in Skill Development for Competitive Exams
14. Certificate Course in Communication Skills



The report of Online Short Term Certificate Courses is given below.

Sr. No.	Year	No. of students enrolled	Percentage of student passed
1	2017-2018	00	-
2	2018-2019	00	-
3	2019-2020	00	-
4	2020-2021	768	98.95%

The report of Online Short Term Certificate Courses (2020-2021) is given below:

Sr. No.	Name of the Course	No. of students enrolled	Percentage of student passed
1	Certificate Course in Communication Skill and Personality Development	60	58
2	Certificate course in Vermicomposting and Vermiculturing	71	71
3	Certificate course in Basic skills in Computers	49	49
4	Certificate course in Vedic Mathematics	64	64
5	Certificate course in Latex	21	21
6	Certificate course in Basic Jewelry design and making	19	18
7	Certificate course in Fresh water fish culture	85	80
8	Certificate course in Basic of Public health and nutrition	71	71
9	Certificate Course in Skill Development for Competitive Exam	63	63
10	Certificate Course in Excel 'Zero to Hero'	44	44
11	Certificate Course in R- Console Software	19	19
12	Certificate Course in Digital Marketing	56	56
13	Certificate Course in Full Stack Developer	123	123
14	Certificate Course in Communication Skills	23	23
	Total	768	760

More details are available on college website.

Dr. S.A Deshpande

Director

Prof. P. T. Humane

IQAC coordinator

Dr. Akhilesh Peshwe

Principal

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

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

Dr. S.A. Deshpande, Director