



VSPM Academy of Higher Education
Arvindbabu Deshmukh Mahavidyalaya Bharsingi
NAAC SSR 2018-2023



Criterion 1 – Curricular Aspects

Key Indicator – 1.2 Academic Flexibility

QIM – 1.2.1 Number of Certificate/Value added courses offered and online courses of MOOCs, SWAYAM, NPTEL, etc. (where the students of the institution have enrolled and successfully completed during the last five years)

Report and Photos for Certificate Course from 2018-19 to 2022-23



Prakash Pawar
Principal

VSPM Academy of Higher Education

ARVINDBABU DESHMUKH MAHAVIDYALAYA

BHARSINGI, Dist. Nagpur - 441305

NAAC Re-accredited with 'B***' Grade (CGPA 2.81)

Sl. No. : ADM / 2023-24 / 115

Date 21/10/23

This is to declare that the data provided in this file in the form of information, supporting documents, numerical data, and reports are verified by the IQAC and Principal and found correct.

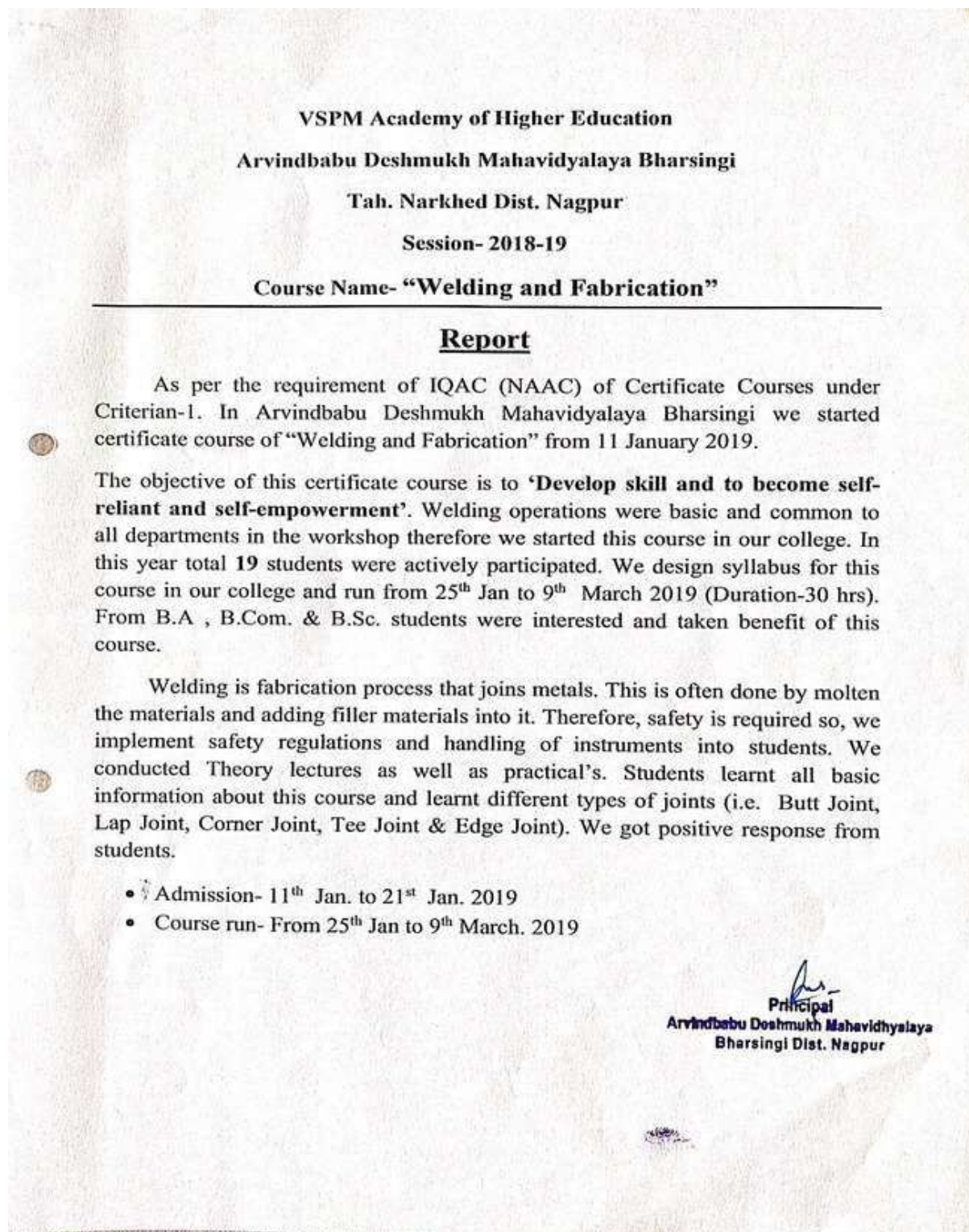

Co-ordinator
IQAC
Arvindbabu Deshmukh
Mahavidyalaya, Bharsingi

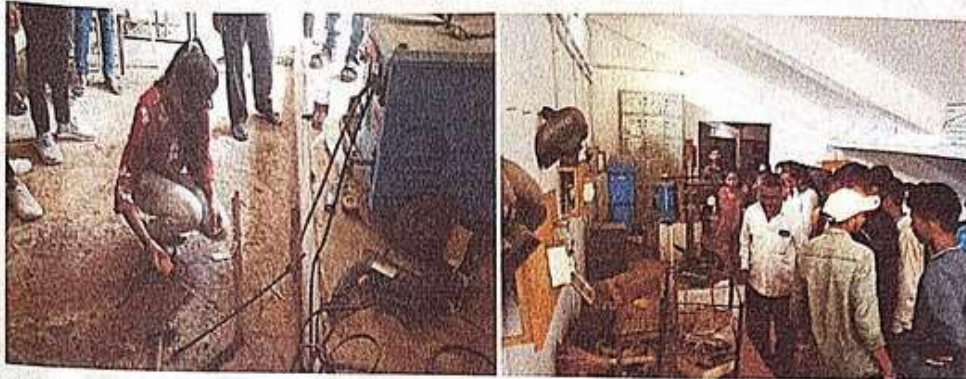

PRINCIPAL
ARVINDBABU DESHMUKH MAHAVIDYALAYA
BHARSINGI, DIST. NAGPUR

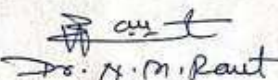
Session 2018-19


Evidences of Completion of Courses:

CC302: Welding and Fabrication






Dr. N. M. Raut
Teacher In-Charge
Welding & Fabrication


Principal
Arvindbabu Deshmukh Mahavidhyalaya
Bharsingi Dist. Nagpur



VSPM Academy of Higher Education, Nagpur



ARVINDBABU DESHMUKH MAHAVIDYALAYA

Bharsingi, Ta. Narkhed, Dist. Nagpur

CERTIFICATE

2018-2019

This is to certify that Mr./Miss./M/s. Peiya S. Nagmote.
of B. COM - I enrolled in the certificate course and successfully completed the course
on **WELDING FABRICATION** between the date of 25th Jan to 9th mar 2019.

Your diligence and preseverance will be admired.

Faculty Incharge

Dr. Vijay W. Dhote
Principal



VSPM Academy of Higher Education, Nagpur



ARVINDBABU DESHMUKH MAHAVIDYALAYA

Bharsingi, Ta. Narkhed, Dist. Nagpur

CERTIFICATE

2018-2019

This is to certify that Mr./Miss./M/s. Pratiksha R. Nagmate.
of B. COM - I. enrolled in the certificate course and successfully completed the course
on **WELDING FABRICATION** between the date of 25th Jan to 9th march 2019.

Your diligence and preseverance will be admired.

Faculty Incharge

Dr. Vijay W. Dhote
Principal

Session 2018-19

Evidences of Completion of Courses:

CC301: Fashion Designing

VSPM of Higher Education Society, Nagpur
Arvindbabu Deshmukh Mahavidyalaya, Bharsingi
Session : 2018-19
Diploma Course in Fashion Designing

अहवाल

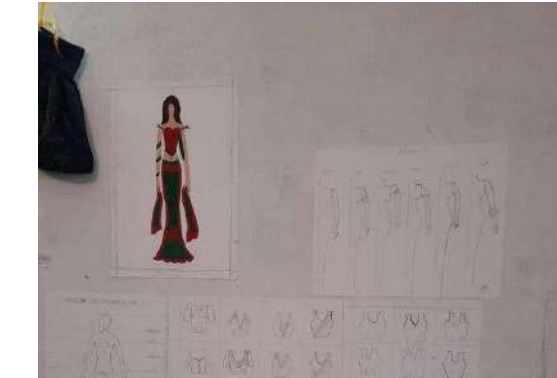
अरविंदबाबू देशमुख महाविद्यालय भारसिंगी येथे वेगवेगळ्या विषयांवर Diploma Course (Short Term Course) राबविल्या जाते. त्यापैकी 'Diploma Course in Fashion Design' हा एक कोर्स आहे. महाविद्यालय हे त्रिमौल्य भागातील असून येथील विद्यार्थी संख्या मोठ्या प्रमाणात प्रतियोगी भागातील असल्यामुळे त्यांना रोजगाराभिमुख कार्याची माहिती व्हावी तसेच आधुनिकतेमुळे वेगवेगळ्या वस्त्रांच्या फॅशनची विद्यार्थ्यांमध्ये जागरूकता म्हणून हा अभ्यासक्रम महाविद्यालयामध्ये राबविला गेला.

Diploma Course in Fashion Design हा तीन महिन्यांचा कोर्स आहे. सत्र २०१८-२०१९ मध्ये या कोर्सला एकूण एकतीस विद्यार्थ्यांनी नामांकन केले. १ ऑगस्ट २०१८ पासून या कोर्सचे नियमित वर्ग सुरु झाले. ऑक्टोबर महिन्यापर्यंत तासिका घेतल्या गेल्या. आठवड्यातून तीन दिवस तासिका घेतल्या गेल्या. तासिकासोबतच प्रात्याक्षिकेही घेतल्या गेली. संपूर्ण अभ्यास क्रम ऑक्टोबर महिन्यापर्यंत पूर्ण करण्यात आला. १०० गुणांच्या प्रश्नपत्रिकेनुसार विद्यार्थ्यांचे मुल्यांकन करण्यात आले. अभ्यास क्रम पूर्ण झाल्यानंतर ४० गुणांची विद्यार्थ्यांची प्रात्याक्षिक परिक्षा व विषयानुरूप प्रश्नपत्रिका तयार करण्यात येवून डिसेंबर महिन्यात ६० मार्कांची लेखी परिक्षा घेण्यात आली. जानेवारी महिन्यात निकाल जाहीर करण्यात आला. एकूण १०० गुणांच्या प्रश्नपत्रिकेनुसार मुल्यांकन झाले. उत्तर पत्रिकेचे परीक्षण झाल्यानंतर ग्रेड नुसार परिणाम पत्रक तयार करण्यात आले व विद्यार्थ्यांना प्रमाणपत्राचे वाटप करण्यात आले.

महाविद्यालयाच्या नियमित तासिकानंतर दुपारी १२:०० ते १:०० या कालावधीत या विषयाच्या तासिका घेतल्या गेल्या. प्रत्येक महिन्याला प्राचार्य डॉ. धोटे अरविंदबाबू देशमुख महाविद्यालय, भारसिंगी यांची पाहणी झाली. शिबणतंत्र व्यवस्थित सुरु आहे किंवा नाही याची काळजी घेतल्या गेली. विद्यार्थ्यांच्या अडचणींचे निरसन करण्यात आले. प्रा. रिता बाळके, प्रा. लता पाटील, प्रा. देशमुख व प्रा. रामापुरे समन्वयक Diploma Course in Fashion Design यांनी वेळोवेळी विद्यार्थ्यांना अभ्यासपुरक माहिती दिली व मार्गदर्शन केले. या विषयाचे सखोल ज्ञान विद्यार्थ्यांना प्राप्त व्हावे याकरीता या विषयातर्गत डॉ. कांचन किटे, एस.एस.एन.एस. महाविद्यालय, देवळी यांचे Fashion Design या विषयावर व्याख्यान घेण्यात आले. तसेच डॉ. मेघा सवाने कला चाणिज्य व विज्ञान महाविद्यालय, पुलगाव यांनी आजच्या जीवनात फॅशनने महत्त्व या विषयावर मार्गदर्शन केले. कार्यक्रमांतर्गत विद्यार्थ्यांनी वेगवेगळी प्रात्याक्षिक करून दाखवून कार्यक्रमाला उत्तम असा प्रतिसाद दिला.



PRINCIPAL
ARVINDBABU DESHMUKH MAHAVIDYALAYA
BHARSINGI, DIST. NAGPUR



Session 2018-19

Evidences of Completion of Courses:

CC303: Vermicomposting

**Arvindbabu Deshmukh Mahavidyalaya, Umardhed
Department of Zoology
2018- 2019**

Certificate Course in Vermicomposting

Aims and objectives:

- To increase human livelihood opportunities
- To increase the soil quality of the farm
- It makes way for utilization of available organic wastes to produce the rich source of organic manure of high quality, which is superior to other types of organic manures in its physico-chemical and biological properties.
- The programme provides job opportunities for the unskilled labour force.

Report: 2018-19

Introduction

Earthworms have been on the Earth for over 20 million years. In this time they have faithfully done their part to keep the cycle of life continuously moving. Their purpose is simple but very important. They are nature's way of recycling organic nutrients from dead tissues back to living organisms. Many have recognized the value of these worms. Ancient civilizations, including Greece and Egypt valued the role earthworms played in soil. The Egyptian Pharaoh, Cleopatra said, Earthworms are sacred. She recognized the important role the worms played in fertilizing the Nile Valley croplands after annual floods. Charles Darwin was intrigued by the worms and studied them for 39 years. Referring to an earthworm, Darwin said, it may be doubted whether there are many other animals in the world which have played so important a part in the history of the world. The earthworm is a natural resource of fertility and life.

(1) Earthworms live in the soil and feed on decaying organic material. After digestion, the undigested material moves through the alimentary canal of the earthworm, a thin layer of oil is deposited on the castings. This layer erodes over a period of 2 months. So although the plant nutrients are immediately available, they are slowly released to last longer. The process in the alimentary canal of the earthworm transforms organic waste to natural fertilizer. The chemical changes that organic wastes undergo include deodorizing and neutralizing. This means that the pH of the castings is 7 (neutral) and the castings are odorless. The worm castings also contain bacteria, so the process is continued in the soil, and microbiological activity is promoted.

(2) *Vermicomposting* is the process of turning organic debris into worm castings. (3) The worm castings are very important to the fertility of the soil. The castings contain high amounts of nitrogen, potassium, phosphorus, calcium, and magnesium. Castings contain: 5 times the available nitrogen, 7 times the available potash, and 1 times more calcium than found in good topsoil. (4) Several researchers have demonstrated that earthworm castings have excellent aeration, porosity, structure, drainage, and moisture-holding capacity. (5) The content of the earthworm castings, along with the natural tillage by the worms burrowing action, enhances the permeability of water in the soil. Worm castings can hold close to nine times their weight in water. (6) Vermiconversion, or using earthworms to convert waste into soil additives, has been done on a relatively small scale for some time. (7) A recommended rate of vermicompost application is 15-20 percent.

Vermicomposting is done on small and large scales. In the 1996 Summer Olympics in Sydney, Australia, the Australians used worms to take care of their tons and tons of waste. They then found that waste produced by the worms was could be very beneficial to their plants and soil. (8) People in the U.S. have commercial vermicomposting facilities, where they raise worms

and sell the castings that the worms produce. Then there are just people who own farms or even small gardens, and they may put earthworms into their compost heap, and then use that for fertilizer.

The objectives of this project were:

1) To determine the optimal vermicompost/soil admixture for growth of *Pelargonium hortorum*.

2) To compare the growth of geraniums in the optimal vermicompost/soil admixture to those grown in standard potting soil supplemented with chemical fertilizer. After library research, it was believed that geranium growth would vary among different vermicompost/soil admixtures, and that optimal vermicompost/soil admixture would produce better plant growth than chemical fertilizer. Therefore, the null hypotheses were: i) There would be no significant differences among geranium growth in different vermicompost/soil admixtures; and ii) There would be no significant differences in geranium growth between the optimal vermicompost/soil admixture and those supplemented with chemical fertilizer.

Admixture, Plant Growth, and Measurement Procedure

Vermicompost was obtained from a commercial vermicomposting facility, which composts mostly paper products. The geranium seeds were obtained from a plant nursery. Calculations were done to determine 5%, 15%, and 30% vermicompost/soil admixture masses and an electronic balance was used to measure the soil and compost for mixing. For each admixture ten pots were filled; the control group contained only soil, and ten pots were filled with soil mixed with chemical fertilizer. Small amounts of the planting medium from each group were set aside for testing. Geranium seeds were planted and allowed to grow for three weeks before transplanting. One geranium plant was planted in each pot. The plants were watered daily

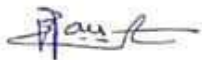
and observed for five weeks. Plant height and widths were measured each week. Measurements were made on three leaf midribs on every plant weekly, and the average of the three was recorded. When the growing term was ended, the geraniums were pulled from the soil. The above-ground shoots were separated from the below-ground roots and allowed to dry for one day. An electronic balance was used to find the mass in grams of the shoot and root sections of each plant.

Soil Analysis Procedure

Each of the vermicompost/soil admixture set ups control, 5%, 15%, 30%, and chemical fertilizer added were tested using a Hach Soil Test Kit before plant growth. Determination of soil pH was done using the aqueous soil extraction method and a Pocket Pal pH electrode. Filtered extract from a Mehlich 2 Extraction for soil was used for phosphorus analysis (PhosVer 3 Method) and potassium analysis (Turbidimetric Tetraphenylborate Method). A calcium sulfate extraction for soil provided filtered extract for determination of nitrate-nitrogen by the Cadmium Reduction Method.

PRODUCTION OF VERMICOMPOST

Organic solid waste management by employing earthworms has multifarious role to play in a developing country like India. Firstly, it makes way for utilization of available organic wastes to produce the rich source of organic manure of high quality, which is superior to other types of organic manures in its physico-chemical and biological properties. Secondly, the manure is produced in a shorter duration of time of six weeks and is a fully matured, homogenous matter. Thirdly, the programme provides job opportunities for the unskilled labour force. Finally, it is the best way of safe guarding the environment.


Dr. A. M. Raut



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Course Co-ordinator
Arvind Babu Deshmukh
Mahavidyalaya, Bharsingi

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PRINCIPAL
ARVINDBABU DESHMUKH MAHAVIDYALAYA
BHARSINGI, DISTT.-NAGPUR



VSPM Academy of Higher Education, Nagpur



ARVINDBABU DESHMUKH MAHAVIDYALAYA

Bharsingi, Ta. Narkhed, Dist. Nagpur

CERTIFICATE

2018-2019

This is to certify that Mr./Miss./Ms. Pavan D. Deshmukh
of B.Sc. III enrolled in the certificate course and successfully completed the course
on VERMI COMPOST between the date of 01.08.2018 to 30.09.2018.

Your diligence and perseverance will be admired.

Faculty Incharge

Dr. Vijay W. Bhole
Principal

Arvindbabu Deshmukh Mahavidyalaya
Bharsingi, Dist. Nagpur



VSPM Academy of Higher Education, Nagpur



ARVINDBABU DESHMUKH MAHAVIDYALAYA

Bharsingi, Ta. Narkhed, Dist. Nagpur

CERTIFICATE

2018-2019

This is to certify that Mr./Miss./Ms. Sikita Madhav Bhaesarkre
of B.Sc. III enrolled in the certificate course and successfully completed the course
on VERMI COMPOST between the date of 01/8/2018 to 30/9/2018.

Your diligence and perseverance will be admired.

Faculty Incharge

Dr. Vijay W. Bhole
Principal

Arvindbabu Deshmukh Mahavidyalaya
Bharsingi, Dist. Nagpur



Session 2018-19

Evidences of Completion of Courses:

CC305: Tally

VSPM Academy of Higher Education Nagpur
Arvinbhabu Deshmukh Mahavidyalaya, Bharsingi.
Faculty of Commerce
Diploma Course in Tally 9 ERP
Session: 2018-2019


Report

Diploma courses on various subject are implemented at Arvinbhabu Deshmukh College Bharsingi among them Tally 9.00 ERP. Course was taken by Department of Commerce. The students are belong from rural area and those have to get some practical knowledge, hence department of commerce organized this course for the session 2018-2019.

Duration of this course is three months and we took it from 15th July 2018 to 31st Oct. 2018. Regular classes were taken of this course. The students were evaluated through Hundreds marks test, separation of mark in two part, fifty marks for practical and fifty marks for theory program.

In this course there were twenty one students participated and they were divided into two batch. The timing of the first batch was 7.30 am to 8.30 am and the second one on 12.00 to 01.00 pm. Every month, these classes were inspected by Dr. Dhote Sir, Principal, Arvinbhabu Deshmukh College Bharsingi. His valuable guidance was benefited for the students and the mentor's also. After the examination certificates were distributed among the students.

Co-Ordinator
Tally 9.00 ERP. Course
Arvinbhabu Deshmukh College Bharsingi


Principal
Arvinbhabu Deshmukh College Bharsingi

ARVINDBABU DESHMUKH MAHAVIDYALA, BHARSINGI
DEPARTMENT OF COMMERCE
CERTIFICATE COURSE
TALLY ERP 9.0



Principal
Arvindbabu Deshmukh Mahavidyalaya
Bharsingi, Dist. Nagpur

Session 2018-19

Evidences of Completion of Courses:

CC304: Communicative English

ARVINDBABU DESHMUKH MAHAVIDYALAYA,
BHARSINGI

Session: 2018-2019

Report on Communicative English Course

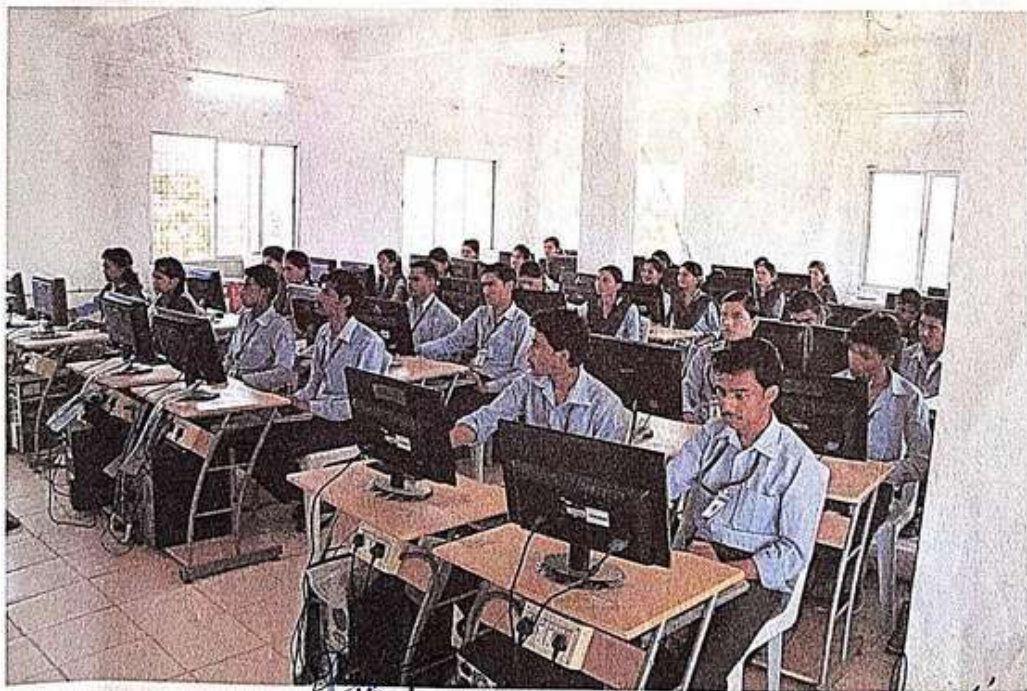
Department of English, Arvindbabu Deshmukh Mahavidyala, Bharsingi started three months 'Short Term Course' on "Communicative English", in the college. The primary objective of this programme was to update and enhance the skills of English language and to gain and share some knowledge about grammar. The training methodology includes were case studies, classroom lectures, special lectures by other faculty members etc. I shared my knowledge among the students. Communicative sessions have been conducted, which was helpful for the students. Notes were distributed among the students. The students were motivated for speaking in English. This course was commenced from 10.08.2018. Thirty Four students were enrolled for the course from Arts, Commerce and Science stream. Twenty boys and fourteen girls were registered. Prof. Dadarao K. Upase, Head, Department of English was the Co-ordinator of the course. Periods on the class were taken after the regular period of the college. After successfully finishing the syllabus, Examination was taken. The answer sheets were checked and the results were prepared. After preparing the result, certificates were distributed among the students.


Head

Department of English
Department of English
Arvindbabu Deshmukh Mahavidyalaya
Bharsingi


Principal
PRINCIPAL

ARVINDBABU DESHMUKH MAHAVIDYALAYA
BHARSINGI, DIST. NAGPUR



Head
Department of English
Arvinbapu Deshmukh Mahavidyalaya
Bharsingi

PRINCIPAL
ARVINDBABU DESHMUKH MAHAVIDYALAYA
BHARSINGI, DIST. NAGPUR



VSPM Academy of Higher Education, Nagpur

ARVINDBABU DESHMUKH MAHAVIDYALAYA

Bharsingi, Ta. Narkhed, Dist. Nagpur

CERTIFICATE

2018-2019

This is to certify that Mr./Mjss./Mrs. Akshay Ravindra Sewatkar
of B. A III rd enrolled in the certificate course and successfully completed the course
on **COMMUNICATIVE ENGLISH** between the date of 10 August to 10 Nov 2018.

Your diligence and preseverance will be admired.

Faculty Incharge

Dr. Vijay W. Dhotre
Principal



VSPM Academy of Higher Education, Nagpur

ARVINDBABU DESHMUKH MAHAVIDYALAYA

Bharsingi, Ta. Narkhed, Dist. Nagpur

CERTIFICATE

2018-2019

This is to certify that Mr./Mjss./Mrs. Akash Dipakrao Salpute
of B. A III rd enrolled in the certificate course and successfully completed the course
on **COMMUNICATIVE ENGLISH** between the date of 10 August to 10 Nov 2018.

Your diligence and preseverance will be admired.

Faculty Incharge

Dr. Vijay W. Dhotre
Principal

Session 2019-20

Evidences of Completion of Courses:

CC302: Welding and Fabrication

VSPM Academy of Higher Education
Arvinbhabu Deshmukh Mahavidyalaya Bharsingi
Tah. Narkhed Dist. Nagpur
Session- 2019-20
Course Name- "Welding and Fabrication"

Report

As per the requirement of IQAC (NAAC) of Certificate Courses under Criterion-I. In Arvinbhabu Deshmukh Mahavidyalaya Bharsingi we started certificate course of "Welding and Fabrication" in this year from 15 January 2020.

The objective of this certificate course is to '**Develop skill and to become self-reliant and self-empowerment**'. Welding operations were basic and common to all departments in the workshop therefore we started this course in our college. In this year total 24 students were actively participated. We design syllabus for this course in our college and run from 1st week of February to 15th March (Duration-30 hrs). From B.A , B.Com. & B.Sc. students were interested and taken benefit of this course.

Welding is fabrication process that joins metals. This is often done by molten the materials and adding filler materials into it. Therefore safety is required so, we implements safety regulations and handling of instruments into students. We conducted Theory lectures as well as practical's. Students learnt all basic information about this course and also learnt different types of joints (i.e. Butt Joint, Lap Joint, Corner Joint, Tee Joint & Edge Joint). We got positive response from students.





'Geo tag photographs'

Bharsingi

Teacher In-Charge

Welding & Fabrication

Principal

**Arvindbabu Deshmukh Mahavidyalaya
Bharsingi Dist. Nagpur**



VSPM Academy of Higher Education, Nagpur



ARVINDBABU DESHMUKH MAHAVIDYALAYA

Bharsingi, Ta. Narkhed, Dist. Nagpur

CERTIFICATE

2019-2020

This is to certify that Mr./Miss./Mrs. Ajay Dabrasc
of B.Sc-I enrolled in the certificate course and successfully completed the course
on **WELDING FABRICATION** between the date of 4th Feb. 2020 to 15 March 2020

Your diligence and preseverance will be admired.

Faculty Incharge

Dr. Vijay W. Dhote
Principal



VSPM Academy of Higher Education, Nagpur



ARVINDBABU DESHMUKH MAHAVIDYALAYA

Bharsingi, Ta. Narkhed, Dist. Nagpur

CERTIFICATE

2019-2020

This is to certify that Mr./Miss./Mrs. Imran shaikh
of B.Sc-I enrolled in the certificate course and successfully completed the course
on **WELDING FABRICATION** between the date of 4th Feb 2020 to 15th March. 2020.

Your diligence and preseverance will be admired.

Faculty Incharge

Dr. Vijay W. Dhote
Principal

Session 2019-20

Evidences of Completion of Courses:

CC301: Fashion Designing

VSPM of Higher Education Society, Nagpur

Arvindbabu Deshmukh Mahavidyalaya, Bharsingi

Session: 2019 -2020

Certificate Course in Fashion Design

अहवाल

अरविंदबाबू देशमुख महाविद्यालय भारसिंगी, येथे वेगवेगळे विषयांवर Certificate Course (Short Term Course) राबविल्या जाते. त्यापैकी 'Certificate Course in Fashion Design' हा एक कोर्स आहे. महाविद्यालय हे ग्रामीण भागात असून येथील विद्यार्थी संख्या मोठ्या प्रमाणात ग्रामीण भागातील असल्यामुळे त्यांना रोजगाराभिमुख कार्याची माहिती व्हावी तसेच आधुनिकतेमुळे वेगवेगळ्या वस्त्रांच्या फॅशनची माहिती विद्यार्थ्यांना मिळावी म्हणून हा अभ्यासक्रम महाविद्यालयामध्ये राबविला गेला.

Certificate Course in Fashion Design हा तीन महिन्यांचा कोर्स आहे. सत्र २०१९- २०२० मध्ये या कोर्सला एकूण एकेचाळीस विद्यार्थ्यांनी नामांकन केले. १ ऑगस्ट २०१९ पासून या कोर्सचे नियमित वर्ग सुरु झाले. डिसेंबर महिन्यापर्यंत तासिका घेतल्या गेल्या. आठवड्यातून तीन दिवस तासिका घेतल्या गेल्या. तासिकांसोबतच प्रात्यक्षिकेही घेतल्या गेली. संपूर्ण अभ्यासक्रम डिसेंबर महिन्यापर्यंत पूर्ण करण्यात आला. १०० गुणांच्या प्रश्नपत्रिकेनुसार विद्यार्थ्यांचे मुल्यांकन करण्यात आले. अभ्यासक्रम पूर्ण झाल्यानंतर विषयानुसार प्रश्नपत्रिका तयार करण्यात आली. जानेवारी महिन्यात विद्यार्थ्यांची ४० गुणांची प्रात्यक्षिक परीक्षा व ६० गुणांची लेखी परीक्षा घेण्यात आली. फेब्रुवारी महिन्यात निकाल जाहीर करण्यात आला. १०० गुणांच्या प्रश्नपत्रिकेनुसार मुल्यांकन झाले उत्तरपत्रिकेचे परीक्षण झाल्यानंतर ग्रेड नुसार परिणाम पत्रक तयार करण्यात आले. व विद्यार्थ्यांना प्रमाणपत्राचे वाटप करण्यात आले.

महाविद्यालयाच्या नियमित तासिकाकानंतर दुपारी ०१.०० ते ०२.०० या कालावधीत या विषयांच्या तासिका घेतल्या गेल्या. प्रत्येक महिन्याला प्राचार्य डॉ. धोटे अरविंदबाबू देशमुख महाविद्यालय भारसिंगी यांची पाहणी झाली. शिवणतंत्र व्यवस्थित सुरु आहे किंवा नाही याची काळजी घेतल्या गेली. विद्यार्थ्यांच्या अडचणींचे निरसन करण्यात आले. समन्वयक प्रा. रिता वाळके, प्रा. लता पाटील, प्रा. देशमुख व प्रा. रामापुरे यांनी वेळोवेळी विद्यार्थ्यांना अभ्यासपुरक माहिती दिली व मार्गदर्शन केले. या विषयाचे सखोल ज्ञान विद्यार्थ्यांना प्राप्त व्हावे याकरिता फॅशन - काळाची गरज या विषयावर डॉ. दमयंती घागरगुंडे नबिरा महाविद्यालय काटोल यांचे व्याख्यान घेण्यात आले. तसेच डॉ. मेघा सबाने कला, वाणिज्य व विज्ञान महाविद्यालय पुलगाव यांनी आजच्या जीवनात फॅशन चे महत्त्व या विषयावर मार्गदर्शन केले. कार्यक्रमांतर्गत विद्यार्थ्यांनी विषयांतर्गत वेगवेगळी प्रात्यक्षिक करून दाखवून कार्यक्रमाला उत्तम असा प्रतिसाद दिला.




PRINCIPAL
ARVINDBABU DESHMUKH MAHAVIDYALAYA
BHARSINGI, DIST. NAGPUR



Session 2019-20

Evidences of Completion of Courses:

CC303: Vermicomposting

Arvindbabu Deshmukh Mahavidyalaya, Bharsingi
Department of Zoology
Certificate Course in Vermicomposting

2019-20

Aims and objectives:

- To increase human livelihood opportunities
- To increase the soil quality of the farm
- It makes way for utilization of available organic wastes to produce the rich source of organic manure of high quality, which is superior to other types of organic manures in its physico-chemical and biological properties.
- The programme provides job opportunities for the unskilled labour force.

Introduction

Earthworms have been on the Earth for over 20 million years. In this time they have faithfully done their part to keep the cycle of life continuously moving. Their purpose is simple but very important. They are nature's way of recycling organic nutrients from dead tissues back to living organisms. Many have recognized the value of these worms. Ancient civilizations, including Greece and Egypt valued the role earthworms played in soil. The Egyptian Pharaoh, Cleopatra said, Earthworms are sacred. She recognized the important role the worms played in fertilizing the Nile Valley croplands after annual floods. Charles Darwin was intrigued by the worms and studied them for 39 years. Referring to an earthworm, Darwin said, it may be doubted whether there are many other animals in the world which have played so important a part in the history of the world. The earthworm is a natural resource of fertility and life. (1) Earthworms live in the soil and feed on decaying organic material. After digestion, the undigested material moves through the alimentary canal of the earthworm, a thin layer of soil is deposited on the castings. This layer erodes over a period of

2 months. So although the plant nutrients are immediately available, they are slowly released to last longer. The process in the alimentary canal of the earthworm transforms organic waste to natural fertilizer. The chemical changes that organic wastes undergo include deodorizing and neutralizing. This means that the pH of the castings is 7 (neutral) and the castings are odorless. The worm castings also contain bacteria, so the process is continued in the soil, and microbiological activity is promoted.

(2) *Vermicomposting* is the process of turning organic debris into worm castings. (3) The worm castings are very important to the fertility of the soil. The castings contain high amounts of nitrogen, potassium, phosphorus, calcium, and magnesium. Castings contain: 5 times¹ the available nitrogen, 7 times the available potash, and 1 times more calcium than found in good topsoil. (4) Several researchers have demonstrated that earthworm castings have excellent aeration, porosity, structure, drainage, and moisture-holding capacity. (5) The content of the earthworm castings, along with the natural tillage by the worms burrowing action, enhances the permeability of water in the soil. Worm castings can hold close to nine times their weight in water. (6) Vermiconversion, or using earthworms to convert waste into soil additives, has been done on a relatively small scale for some time. (7) A recommended rate of vermicompost application is 15-20 percent.

¹ Vermicomposting is done on small and large scales. In the 1996 Summer Olympics in Sydney, Australia, the Australians used worms to take care of their tons and tons of waste. They then found that waste produced by the worms was could be very beneficial to their plants and soil. (8) People in the U.S. have commercial vermicomposting facilities, where they raise worms and sell the castings that the worms produce. Then there are just people who own farms or even small gardens, and they may put earthworms into their compost heap, and then use that for fertilizer.

The objectives of this project were:

1) To determine the optimal vermicompost/soil admixture for growth of *Pelargonium hortorum*.

2) To compare the growth of geraniums in the optimal vermicompost/soil admixture to those grown in standard potting soil supplemented with chemical fertilizer. After library research, it was believed that geranium growth would vary among different vermicompost/soil admixtures, and that optimal vermicompost/soil admixture would produce better plant growth than chemical fertilizer. Therefore, the null hypotheses were: i) There would be no significant differences among geranium growth in different vermicompost/soil admixtures; and ii) There would be no significant differences in geranium growth between the optimal vermicompost/soil admixture and those supplemented with chemical fertilizer.

Admixture, Plant Growth, and Measurement Procedure

Vermicompost was obtained from a commercial vermicomposting facility, which composts mostly paper products. The geranium seeds were obtained from a plant nursery. Calculations were done to determine 5%, 15%, and 30% vermicompost/soil admixture masses and an electronic balance was used to measure the soil and compost for mixing. For each admixture ten pots were filled; the control group contained only soil, and ten pots were filled with soil mixed with chemical fertilizer. Small amounts of the planting medium from each group were set aside for testing. Geranium seeds were planted and allowed to grow for three weeks before transplanting. One geranium plant was planted in each pot. The plants were watered daily and observed for five weeks. Plant height and widths were measured each week. Measurements were made on three leaf midribs on every plant weekly, and the average of the three was recorded. When the growing term was ended, the geraniums were pulled from the soil. The above-ground shoots were separated from the below-ground roots and allowed to dry for one day. An electronic balance was used to find the mass in grams of the shoot and root sections of each plant.

Soil Analysis Procedure

Each of the vermicompost/soil admixture set ups control, 5%, 15%, 30%, and chemical fertilizer added were tested using a Hach Soil Test Kit before plant growth. Determination of soil pH was done using the aqueous soil extraction method and a Pocket Pal pH electrode. Filtered extract from a Mehlich 2 Extraction for soil was used for phosphorus analysis (PhosVer 3 Method) and potassium analysis (Turbidimetric Tetraphenylborate Method). A calcium sulfate extraction for soil provided filtered extract for determination of nitrate-nitrogen by the Cadmium Reduction Method.

PRODUCTION OF VERMICOMPOST

Organic solid waste management by employing earthworms has multifarious role to play in a developing country like India. Firstly, it makes way for utilization of available organic wastes to produce the rich source of organic manure of high quality, which is superior to other types of organic manures in its physico-chemical and biological properties. Secondly, the manure is produced in a shorter duration of time of six weeks and is a fully matured, homogenous matter. Thirdly, the programme provides job opportunities for the unskilled labour force. Finally, it is the best way of safe guarding the environment. Vermicompost (compost produced by the activity of selected species of earthworms) has been adjudged as the best source of organic amendments to soil. Using vermicompost can fulfill the requirements for organically grown products.



1

Students adding Earthworms in to the tank.



Course Coordinator giving instructions to the Students

Course Co-ordinator
Arvindbabu Deshmukh
Mahavidyalaya, Bharsingi

PRINCIPAL
ARVINDBABU DESHMUKH MAHAVIDYALAYA
BHARSINGI, DISTT. NAGPUR.



VSPM Academy of Higher Education, Nagpur



ARVINDBABU DESHMUKH MAHAVIDYALAYA

Bharsingi, Ta. Narkhed, Dist. Nagpur

CERTIFICATE

2019-2020

This is to certify that Mr./Miss./Mrs. Manali N. Bhange
of B.Sc. III enrolled in the certificate course and successfully completed the course
on **VERMI COMPOST** between the date of 01.08.2019 to 30.09.2019.

Your diligence and perseverance will be admired.

Faculty Incharge

Dr. Vijay W. Dhote
Principal
Arvindbabu Deshmukh Mahavidyalaya
Bharsingi, Dist. Nagpur



VSPM Academy of Higher Education, Nagpur



ARVINDBABU DESHMUKH MAHAVIDYALAYA

Bharsingi, Ta. Narkhed, Dist. Nagpur

CERTIFICATE

2019-2020

This is to certify that Mr./Miss./Mrs. Ruchika M. Borkekar
of B.Sc. I enrolled in the certificate course and successfully completed the course
on **VERMI COMPOST** between the date of 01.08.2019 to 30.09.2019.

Your diligence and perseverance will be admired.

Faculty Incharge

Dr. Vijay W. Dhote
Principal
Arvindbabu Deshmukh Mahavidyalaya
Bharsingi, Dist. Nagpur



Session 2019-20

Evidences of Completion of Courses:

CC305: Tally



VSPM Academy Of Higher Education
ARVINDBABU DESHMUKH MAHAVIDYALAYA, BHARSINGI
Tah.Narkhed, Distt.- Nagpur- 441305 (M.S.)
Programme:Tally 9.00 ERP
(Session: 2019-2020)



ANNUAL REPORT


Diploma courses on various subject are implanted at Arvindbabu Deshmukh Mahavidyalaya, Bharsingi among them Tally 9.00 ERP. Course was taken by department of commerce. The students are belong from rural area and those have to get some practical knowledge, hence department of commerce organized this curse for the session 2019-2020.

Duration of this is three months and we took it from 16th august 2019 to 15th October 2019. Regular classes were taken of this course. The students were evaluated through hundreds marks test, separation of marks in two part, fifty marks for practical and fifty marks for theory program.

In this course there were twenty students participated. The timing of the class was 07:30 am to 08:30 am. Every weekend, this class was inspected by Dr. Dhote Sir, Principal, Arvindbabu Deshmukh Mahavidyalaya Bharsingi. His valuable guidance was benefited for the students and the mentors also. After the examination certificates were distributed among the students.


Co-Ordinator

Tally 9.00 ERP. Course
Arvindbabu Deshmukh Mahavidyalaya
Bharsingi


Principal
Arvindbabu Deshmukh Mahavidyalaya,
BHARSINGI,
ARVINDBABU DESHMUKH MAHAVIDYALAYA,
BHARSINGI, DIST. NAGPUR



ARVINDBABU DESHMUKH MAHAVIDYALAY, BHARSINSI.

DEPARTMENT OF COMMERCE

ADVANCE COURSE TALLY 9.0

List of students

2019-20



PRINCIPAL

[Signature]
Principal
Arvindbabu Deshmukh Mahavidyalaya
Bharsinshi, Dist. Nagpur



Session 2019-20

Evidences of Completion of Courses:

CC304: Communicative English



VSPM Academy Of Higher Education
ARVINDBABU DESHMUKH MAHAVIDYALAYA,
BHARSINGI
Tah.Narkhed, Dist.- Nagpur- 441305 (M.S.)
Programme: CommunicativeEnglish
(Session: 2019-2020)



Annual Report

We have pleasure to state the Annual Report of Arvindbabu Deshmukh Mahavidyalaya's Communicative English Course for the session 2019-20. The course was started in the beginning of the session. The course is conducted under the proper guidance of Dr. Vijay Dhote, the principal of the college.

During the academic session we motivate the students to learn English language. The course is conducted with certain objectives as the students must be benefited. As college is situated in rural area most of the students do not get opportunities to improve the basic skills in English and English becomes stumbling block in the career of the students. In this matter the course became a remedial solution to those students who want to do progress in English.

In the academic session 2019-2020, 38 students were admitted for the Certificate Course in 'Communicative English'. All the students were examined and awarded with the certificates duly signed by the principal and competent authority. There were 38 students for certificate course of whom 30 students got first grade and 08 students got second grade.

Head

CO-ORDINATOR

Department of English

PRINCIPAL
ARVINDBABU DESHMUKH MAHAVIDYALAYA
BHARSINGI, DIST. NAGPUR



Latitude: 21.35258
Longitude: 78.463743
Elevation: 382.6m
Accuracy: 12.8m
Time: 02-05-2020 09:24
Note: communicative Engl



Latitude: 21.352449
Longitude: 78.46384
Elevation: 384.87m
Accuracy: 10.6m
Time: 02-05-2020 09:32
Note: communicative Engl



Latitude: 21.352507
Longitude: 78.463945
Elevation: 392.67m
Accuracy: 6.7m
Time: 02-05-2020 09:30
Note: communicative Engl



Latitude: 21.352577
Longitude: 78.463744
Elevation: 382.22m
Accuracy: 12.4m
Time: 02-05-2020 09:27
Note: communicative Engl

Dash
Head
Department of English
Arvindbabu Deshmukh Mahavidyalaya
Bharsingi



VSPM Academy of Higher Education, Nagpur

ARVINDBABU DESHMUKH MAHAVIDYALAYA

Bharsingi, Ta. Narkhed, Dist. Nagpur


CERTIFICATE

2019-2020

This is to certify that Mr./Miss./Mrs. Krunali Dilip Saldya
of B.Sc I enrolled in the certificate course and successfully completed the course
on **COMMUNICATIVE ENGLISH** between the date of 15 Jan to 16 March 2020

Your diligence and preseverance will be admired.


Faculty Incharge


Dr. Vijay W. Dhote
Principal



VSPM Academy of Higher Education, Nagpur

ARVINDBABU DESHMUKH MAHAVIDYALAYA

Bharsingi, Ta. Narkhed, Dist. Nagpur


CERTIFICATE

2019-2020

This is to certify that Mr./Mjss./Mrs. Sagor Ashokrao Tule
of B.Sc I enrolled in the certificate course and successfully completed the course
on **COMMUNICATIVE ENGLISH** between the date of 15 Jan to 16 March 2020

Your diligence and preseverance will be admired.


Faculty Incharge


Dr. Vijay W. Dhote
Principal

Session 2019-20

Evidences of Completion of Courses:

CC306: Business Facilitator





Certificate OF COMPLETION

EDUBRIDGE CERTIFIED INDUSTRY PROFESSIONAL

This is to certify that

Ms./ Mr. Amit Kharabe Roll No: EBCCNR0120288751

has successfully completed the EduBridge Certified industry Professional Programme
with a specialization in Citi - Disha - Business Correspondent/ Business Facilitator (College)

(120 Hrs)

18/03/2020
Date

Citibank
College Nagpur
Place




Gish Singhania
Chief Executive Officer
EduBridge Learning Pvt. Ltd

Session 2019-20

Evidences of Completion of Courses:

VAC301: Self Defence Course for Girls



VSPM ACADEMY OF HIGHER EDUCATION
ARVINDBABU DESHMUKH MAHAVIDYALAYA, BHARSINGI
Tah. Narkhed Dist. Nagpur 441305
Session: 2019-2020
Self Defense Course



Report on Self Defense Course

Course Title: Self Defense Course

Self-Defense-It is a Value-added course for girl students only where they are given theoretical and practical training in self-defense mechanism. It also includes elementary knowledge of Kick-boxing, punching and other martial arts techniques.

Course Description:

This course is designed for girl's students of Arts, Commerce and Science department and provides in basic knowledge about Self Defense. Students will expand their knowledge about Martial Arts, identify Self Defense techniques acceptable by Maharashtra State Law, develop skills in situational awareness, acquire skills attack response, close range/far range combat, pressure points, falling safety, escape techniques, and safe training practices.

Self Defense Course was open to all girls students of our college so lots of registration done by participant but we restrict this value added Course with sixty girls students whereas admitted twenty student from each faculty namely Arts, Commerce and Science.

The Self Defense Course for girls student is need of this time because lots of female related crime happened daily in society. Our college situated in rural part and most of girls admitted here have a village background and travel home to college with bus, auto, rickshaw so generating self-confidence regarding how to tackle suddenly misbehavior by any individual. So our college take this initiative to start self-defense course.

Name of Instructor:

1. Mr. Mukehs Thakre

2. Mr. Bharat Madavi

Course Objectives:

1. Physical Fitness and Mental strength.
2. Define Self Defense.
3. Understand limits of Self Defense according to State Law.
4. Perform skills, including footwork, striking, blocking, throwing, falling, escaping, etc.

5. Techniques for eliminating dangers from daily living.
6. Methods for recognizing and avoiding dangers in the home, car, and street.
7. Recognizing patterns for employing physical defense when necessary.
8. To provide an opportunity to students to develop inter-disciplinary skills.

Student Learning Outcomes

The Students /Participants will be able to

1. Gain self Confidence
2. Use protection skills against threat / assaults in everyday situations
3. Improve body language
4. Demonstrate proper ready position and physical defense techniques for a front attack

Classroom Procedures:

The class will include the following:

1. Warm-up exercises and stretching
2. Strengthening exercises (sit-ups and push-ups)
3. Kicking, punching, blocking, throwing, falling, escaping etc.
4. Stance-work, ducking, weaving, bobbing, feinting, parrying, and evading

Supplies Recommended:

1. Clothing and workout gear must allow for freedom of movement and flexibility.
2. Comfortable shorts and shirts are recommended.
3. Nylon bicycle shorts underneath shorts are also recommended.
4. Comfortable shoes will be worn during class.
5. Sparring equipment (boxing gloves, padded feet, mouthpiece, and head protection) is not required for students.

Policy:

1. It is expected that the student will attend all or most of the training sessions.
2. New skills are constantly being learned.
3. Learned skills build onto new skills and a gradual progression is formed.
5. A period of missed sessions will hinder the ability to develop the necessary skills for advancement.
6. Communicate any problems of an anticipated missed period of training sessions with the instructor.
7. Make up classes can be arranged between the student and the instructor.
8. There will be no cell phones used in class.
9. Role will be taken promptly at the start of class during your warm up.



10. After role is taken and you are late, it is your responsibility to notify the instructor that you are late to class to receive credit for that day.
11. If you are more than 15min late to class, do not attend that day (you will not receive credit).
12. Three late attendances will result in 1 automatic absence.
13. Self Defense Course class will be taken after regular classes is over of all department.

Course Summary:

Date	Time	Detail
Saturday Feb 1,2020	1 pm to 2 pm	Physical Fitness: Training imparts physical exercise from toe to eyes for physical and mental development.
Saturday Feb 8,2020	1 pm to 2 pm	do
Saturday Feb 15,2020	1 pm to 2 pm	do
Saturday Feb 22,2020	1 pm to 2 pm	Kicks : Training imparts types of kicks with different levels for defense.
Saturday Feb 29,2020	1 pm to 2 pm	do
Saturday March 07,2020	1 pm to 2 pm	do
Saturday March 14,2020	1 pm to 2 pm	do

Methodology: Safe learning including theory and practical

Module Details

1. **Physical Fitness:** Training imparts physical exercise from toe to eyes for physical and mental development. (Duration :06hrs)

2. **Kicks :** Training imparts types of kicks with different levels for defense (Duration :06hrs)

3. **Punches and Blocks:** Training includes punches and blocks with different levels for attack and self defense. (Duration :06hrs)

4 Katas: Training includes "form" (is a Japanese word describing detailed patterns of movements practiced either solo or in pairs.) Karate Kata are executed as a specified series of a variety of moves, with stepping and turning, while attempting to maintain perfect form. (Duration :06hrs)

5 Techniques of Self Defense: Training imparts foot work , blocking , counter attack , bending and dodging . (Duration :06hrs)

Note : Students will be continuously evaluated through participation and performance.


Principal
Arvindbhu Deshmukh Mahavidya
Bharsingi Dist. Nagpur



Arvindbabu Deshmukh Mahavidyalaya, Bharsingi

APPLICATION FORM
VALUE ADDED COURSE
(Self Defense Course)



SN		
1	Name	chetana Keshav Thombake
2	Class	BSc - II nd year
3	Gender	Female
4	Address	A1. post = Belora. Tah - Nopkhed, Dist - Nagpur
5	Mobile No. (Self)	8080071251
6	Mobile No. (Parent)	9657092817
7	Email	chetanathombake2001@gmail.com
8	Weight	52 kg.
9	Height	168 cm
10	Health Issue(s) If yes, give details	No.

I am willing to join this course on my own decision.

Chetana
Signature

Date: 4/2/2020
Place: Bharsingi



Arvindbabu Deshmukh Mahavidyalaya, Bharsingi

APPLICATION FORM
VALUE ADDED COURSE
(Self Defense Course)



SN		
1	Name	Aishwarya D. Rewatkar
2	Class	BSC 2 nd year
3	Gender	Female
4	Address	At Post Amnez. Ta. Waseed. Dist Amravati
5	Mobile No. (Self)	7083861059
6	Mobile No. (Parent)	9657928861
7	Email	aishwari@rewatkar1234@gmail.com
8	Weight	48
9	Height	5.3
10	Health Issue(s) If yes, give details	NO issue

I am willing to join this course on my own decision.

Aishwarya
Signature

Date: 04-feb-2020
Place:



Session 2021-22

Evidences of Completion of Courses:

CC301: Fashion Designing

VSPM of Higher Education Society, Nagpur
Arvindbabu Deshmukh Mahavidyalaya, Bharsingi
Session : 2021-22
Certificate Course in Fashion Designing

अहवाल

अरविंदबाबू देशमुख महाविद्यालय भारसिंगी, येथे वेगवेगळ्या विषयांवर Certificate Course (Short Term Course) राबविले जाते. त्यापैकी Certificate Course in Fashion Design हा एक कोर्स आहे. महाविद्यालय हे ग्रामिण भागातील असून येथील विद्यार्थी संख्या मर्यादा प्रमाणाने ग्रामिण भागातील असल्यामुळे त्यांना रोजगाराभिमुख कार्याची माहिती व्हावी तसेच आयुनिक्ततेमुळे वेगवेगळ्या वस्त्रांच्या फॅशनची विद्यार्थ्यांमध्ये जागरूकता व्हावी म्हणून हा अभ्यासक्रम महाविद्यालयामध्ये राबविला गेला.

Certificate Course in Fashion Design हा तीन महिन्यांचा कोर्स आहे. सत्र 2021 मध्ये या कोर्सला एकूण 35 विद्यार्थ्यांनी नामांकन केले. 01 सप्टेंबर पासून या कोर्सचे नियमित वर्ग सुरू झाले. डिसेंबर महिन्यापर्यंत तासिका घेतल्या गेल्या. आठवड्यातून तीन दिवस तासिका घेतल्या गेल्या. तासिकासोबतच प्रात्यक्षिकेही घेतल्या गेली. संपूर्ण अभ्यासक्रम डिसेंबर महिन्यापर्यंत पूर्ण करण्यात आला. 100 गुणांच्या प्रश्नपत्रिकेनुसार विद्यार्थ्यांचे गुल्यांकन करण्यात आले. अभ्यासक्रम पूर्ण झाल्यानंतर 40 गुणांची प्रात्यक्षिक परिक्षा विद्यार्थ्यांची घेण्यात आली व तिथल्यानुसार प्रश्नपत्रिका तयार करण्यात येवून डिसेंबर महिन्यात 60 मार्कांची लॅखी परिक्षा घेण्यात आली. जानेवारी महिन्यात निकाल जाहीर करण्यात आला. एकूण 100 गुणांच्या प्रश्नपत्रिकेनुसार गुल्यांकन झाले. उत्तर पत्रिकेचे परिक्षण झाल्यानंतर ग्रेड नुसार परिणाम पत्रक तयार करण्यात आले व विद्यार्थ्यांना प्रमाणपत्राचे वाटप करण्यात आले.

महाविद्यालयाच्या नियमित तासिकांनंतर दुपारी 12.00 ते 1.00 च्या कालावधीत या विषयाच्या तासिका घेतल्या गेल्या. प्रत्येक महिन्याला प्राचार्य डॉ. पवार सर, अरविंदबाबू देशमुख महाविद्यालय, भारसिंगी यांची पाहणी झाली. शिवणयंत्र व्यवस्थित सुरू आहे किंवा नाही याची तपासणी घेतल्या गेली. विद्यार्थ्यांच्या अडचणीचे निरसन करण्यात आले. समन्वयक प्रा.डॉ. रिता राजेंद्र, प्रा. लता पाटील, प्रा. देशमुख, प्रा. रामापूरे Certificate Course in Fashion Design यांना सर्वोत्तम विद्यार्थ्यांना अभ्यासपुरक माहिती दिली व मार्गदर्शन केले. या विषयाचे सखोल ज्ञान विद्यार्थ्यांना प्राप्त व्हावे याकरिता या विषयांतर्गत डॉ. कंचन किटे, एस.एस.एन.एस. महाविद्यालय, देवळी यांचे Fashion Design या विषयावर व्याख्यान घेण्यात आले. तसेच डॉ. मधु सक्ती कला नाभियंत्र व विज्ञान महाविद्यालय, पुलगाव यांनी 'आजच्या जीवनात फॅशनचे महत्त्व' या विषयावर मार्गदर्शन केले. कार्यक्रमांतर्गत विद्यार्थ्यांनी वेगवेगळी प्रात्यक्षिके करून घ्यावून कार्यक्रमाला उत्तम प्रतिपाद दिला.

VSPM of Higher Education Society, Nagpur

R.K.
Course Co-ordinator

[Signature]
Off. Principal
Arvindbabu Deshmukh Mahavidyalaya,
Bharsingi Dist. Nagpur



Indarwada, Maharashtra, India
9F37+2CF, Indarwada, Maharashtra 441305, India
Lat 21.349944°
Long 78.469689°
10/02/22 11:44 AM



Indarwada, Maharashtra, India
9F37+2CF, Indarwada, Maharashtra 441305, India
Lat 21.349944°
Long 78.469689°
10/02/22 11:45 AM



Indarwada, Maharashtra, India
9F37+2CF, Indarwada, Maharashtra 441305, India
Lat 21.352586°
Long 78.463466°
17/01/22 11:18 AM



Indarwada, Maharashtra, India
9F37+2CF, Indarwada, Maharashtra 441305, India
Lat 21.352586°
Long 78.463466°
17/01/22 11:02 AM




Indarwada, Maharashtra, India
9F37+2CF, Indarwada, Maharashtra 441305, India
Lat 21.352586°
Long 78.463466°
17/01/22 10:39 AM


Session 2021-22

Evidences of Completion of Courses:

CC302: Welding and Fabrication



VSPM Academy of Higher Education
Arvindbabu Deshmukh Mahavidyalaya, Bharsingi
Session- 2021-22
Welding & Fabrication



Report

Aim: To develop skill and become self-reliant and self-empowerment

Objectives: To Develop:

- Technical Proficiency
- Interpersonal Skills
- Awareness of Societal impact
- Leadership Abilities

Number of Beneficiaries: 20

Brief Report:

As per the requirement of IQAC (NAAC) of Certificate Courses under Criterion-1. In Arvindbabu Deshmukh Mahavidyalaya Bharsingi we started certificate course of "Welding and Fabrication" in this year from 15 January 2020.

The aim of this certificate course is to '**Develop skill and to become self-reliant and self-empowerment**'. Welding operations were basic and common to all departments in the workshop therefore we started this course in our college. In this year total **20** students were actively participated. We design syllabus for this course in our college and run from 9th February to 12th March (Duration-30 hrs). From B.A., B.Com. & B.Sc. students were interested and taken benefit of this course.

Welding is fabrication process that joins metals. This is often done by molten the materials and adding filler materials into it. Therefore, safety is required so, we implement safety regulations and handling of instruments into students. We conducted Theory lectures as well as practical's. Students learnt all basic information about this course and also learnt different types of joints (i.e. Butt Joint,

Lap Joint, Corner Joint, Tee Joint & Edge Joint). We got positive response from students:

Photographs:





Photographs of Welding and Fabrication Session-2021-22

Outcomes:

- Demonstrate knowledge in welding and principles of fabrication.
- Apply knowledge, techniques and skills of industrial safety standards to both field and factory environments.
- Develop self-business in welding and fabrication.
- Understand professional, ethical and social responsibilities and their implications related to level and practice of welding and fabrication in global/social context.

Mr. S. R. Shingda
Coordinator of Course

Dr. S. B. Thakare
IQAC Coordinator

Principal
On. Principal
Arvindbabu Deshmukh Mahavidyalaya,
Bharangi Dist. Nagpur

ARVINDBABU DESHMUKH MARAVIDYALAYA

Bharsingi, Ta. Narkhed, Dist. Nagpur

CERTIFICATE

2021-2022

This is to certify that Mr./Miss./Mrs. Sujal R. Jaiswal
of B. Com-I enrolled in the certificate course and successfully completed the course
on **WELDING FABRICATION** between the date of 9th Feb 2022 to 12th March 2022

Your diligence and perseverance will be admired.


Faculty Incharge


Dr. Prakash D. Pawar
Principal

ARVINDBABU DESHMUKH MARAVIDYALAYA

Bharsingi, Ta. Narkhed, Dist. Nagpur

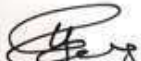
CERTIFICATE

2021-2022

This is to certify that Mr./Miss./Mrs. Pravin A. Sawarkar
of B. COM-I enrolled in the certificate course and successfully completed the course
on **WELDING FABRICATION** between the date of 9th Feb 2022 to 12th March 2022

Your diligence and perseverance will be admired.


Faculty Incharge


Dr. Prakash D. Pawar
Principal

Session 2022-23

Evidences of Completion of Courses:

CC: Basic English Grammer



RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY
Rashtrasant Tukadoji Maharaj Nagpur University, Department of Education, P.O. Box No. 100, Nagpur - 440 033.
E-mail: rtmu@rtmu.ac.in
DEPARTMENT OF LIFELONG LEARNING AND EXTENSION
Gurukulak Bhavan, University Campus, Amravati Road, Nagpur - 440 033. Phone : 2530880
E-mail: dtll_rtmu@gmail.com

To,
The Principal
Arvindbabu Deshmukh
Mahavidyalaya Phursingi.

No.DOLLE/539/22
Dated : 13.12.2022

Subject : Sanction for Conducting Short Term Courses under Jeevan Shikshan Abhiyan on No Grant Basis. (2022-23)

Sir/Madam,

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

Details of the Course

Sr. No.	Name of the Course	Name of Course Coordinator	Duration	Credit	No. of Candidates to be admitted	Fees to be Charged per Student	Fees to be Deposited With the Deptt.
1	Certificate Course in Basic English Grammar.	Mr. Ashish . S. Kate.	54 hrs	2	20	100/-	10%
2	Certificate Course in Agro- Economics.	Assist. Prof. Mr V.P. Rahunagelale.	16 hrs	1	15	50/-	10%
3	Certificate Course in Vermicomposting.	Assist.Prof. Dr . Nitin.M.Raut	30 hrs	2	15	200/-	10%
4	Certificate Course in Mushroom Cultivation.	Dr. Shailesh. R. Bansod.	26 hrs	1	20	300/-	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,


Director



VSPM Academy of Higher Education Nagpur's
ARVINDBABU DESHMUKH MAHAVIDYALAYA, BHARSINGI
Tah.Narkhed, Distt. Nagpur-441305(M.S.)
2022-23



DEPARTMENT OF ENGLISH

Programme Name : Basic English Grammar

According to RTM Nagpur University Nagpur's Department of Lifelong Learning and Extension's letter no. DOLLE/530/22, department of English has started three month short term course on 'Basic English Grammar' for the students from a non-English lingual schooling background between 1st January 2023 to 30th of March 2023. The course contains two credits and its duration was 54 hours. The longstanding commitment of university and college towards strengthening social responsibility and community engagement in higher education institutions led to the development program. It is an attempt to foster meaningful and respectful partnership between the Universities and the community.

On 1st January 2023, to begin the course with basic grammar teaching. Basically we have pupils from rural background, especially from remote areas. They have no exposure of English language and literature. So, we decided to start such type of course to them so that they come in contact with basics of English language. So we started this course. 20 students are there to attend the classes. Classes were after the finishing of the regular classes of the regular curriculum. It was from 12:30 to 1:30 p.m. Dr. Dadrao Upase Head, department of English and Mr. Ashish Kate, Department of English were the faculty who thought the course. The Basic English Grammar course runs smoothly throughout the three month period. The students who are registered for the course attended and enjoyed the classes regularly. They got benefited. The syllabus have been completed and examination been taken. The students got expected marks. During the course of teaching, students asked their queries and made themselves satisfied.


Course Co-ordinator
Arvindbabu Deshmukh
Mahavidyalaya, Bharsingi


Principal
Arvindbabu Deshmukh Mahavidyalaya
Bharsingi



Principal
Arvindbabu Deshmukh Mahavidyalaya
Bharsingi



Rashtrasant Tukadoji Maharaj Nagpur University Nagpur

(Established by Government of Central Provinces Education Department by Notification No. 513 dated the 1st August, 1923 & Presently a State University governed by Maharashtra Public Universities Act, 2016 (Mah. Act No. VI of 2017))

University Skill Development Centre
(under Board of Lifelong Learning and Extension)

Certificate

No. JSA CCBEG 16

Mr./Ms. VIDYA SURESHRAO DHOTE is awarded with Certificate on successful completion of the course titled Certificate Course in Basic English Grammar under Jeevan Shikshan Abhiyan conducted for 54 hours from 01-01-2023 to 31-03-2023 by the Board of Lifelong Learning & Extension in collaboration with the Department of English Arvindbabu Deshmukh Mahavidyalaya, Bharsingi, Dist. Nagpur.

He/She has passed the Examination with CGPA - and A+ Grade.
Total Credits Earned : 02

Dr. Prakash D. Pawar
Principal
Arvindbabu Deshmukh Mahavidyalaya
Bharsingi, Dist. Nagpur

Course Coordinator
Arvindbabu Deshmukh Mahavidyalaya
Bharsingi, Dist. Nagpur

Dr. Nishikant Raut
Director
Board of Lifelong Learning
and Extension



Rashtrasant Tukadoji Maharaj Nagpur University Nagpur

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University Skill Development Centre
(under Board of Lifelong Learning and Extension)

Certificate

No. JSA CCBEG 17

Mr./Ms. JAGRUTI PRADIP KOHAL is awarded with Certificate on successful completion of the course titled Certificate Course in Basic English Grammar under Jeevan Shikshan Abhiyan conducted for 54 hours from 01-01-2023 to 31-03-2023 by the Board of Lifelong Learning & Extension in collaboration with the Department of English Arvindbabu Deshmukh Mahavidyalaya, Bharsingi, Dist. Nagpur.

He/She has passed the Examination with CGPA - and A Grade.
Total Credits Earned : 02

Dr. Prakash D. Pawar
Principal
Arvindbabu Deshmukh Mahavidyalaya
Bharsingi, Dist. Nagpur

Course Coordinator
Arvindbabu Deshmukh Mahavidyalaya
Bharsingi, Dist. Nagpur

Dr. Nishikant Raut
Director
Board of Lifelong Learning
and Extension

Session 2022-23

Evidences of Completion of Courses:

CC: Agroecconomics



VSPM Academy of Higher Education Nagpur's
ARVINDBABU DESHMUKH MAHAVIDYALAYA, BHARSINGI
Tah. Narkhed, Distt. Nagpur-441305(M.S.)
Academic Session -2022-23
DEPARTMENT OF ECONOMICS



Report on Certificate Course in Argo-Economics

Introduction:

The Certificate Course in Argo-Economics was designed to bridge the gap between agricultural practices and economic principles, with a focus on sustainable agricultural development. The course aimed to equip participants with the necessary knowledge and skills to understand the economic aspects of agriculture, promote efficient resource allocation, and enhance agricultural productivity.

This certificate course validated by Department of Lifelong learning and extension RTM Nagpur University Nagpur with order no DOLLE/538/22 dated 13.12.2022.

Duration and Venue:

The course was conducted over a period of 16 hrs, starting from [01.03.2023] to [31.03.2023]. All the sessions were held at the premises of Arvindbabu Deshmukh Mahavidyalaya in Bharsingi, Dist. Nagpur.

Programme Outcome

1. Students will gain a strong understanding of the principles and concepts of agro-economics, including the economic factors influencing the agricultural sector.
2. Students will develop the ability to critically analyze the economic challenges and opportunities within the agricultural.
3. Students will be able to apply economic theories and models to real-world agricultural issues, contributing to effective problem-solving in this field.
4. Students will appreciate the interdisciplinary nature of agro-economics, recognizing its intersections with agriculture, environmental sustainability, and social development.
5. Upon successful completion of the course, students will receive a certificate, validating their knowledge and competence in the field of agro-economics


Principal
Arvindbabu Deshmukh Mahavidyalaya
Bharsingi Dist. Nagpur

Honor 7x

6. Students will be encouraged to engage in lifelong learning and stay updated with the latest developments in agro-economics and related fields.

List of Participants:

The course received an overwhelming response, with a total of 15 participants enrolling for the program. The participants comprised a diverse class of Bachelor of Arts students, interested in the field of agriculture and economics.

Detail of Participant:

Sr. No	Name of Student	Gender	Date of Birth	Place of Birth	Category	Enrol. No	Edu. Quali.	Mob.No	Email	Address
1	Pritam M Nadekar	Male	8.11.1999	Mendhala	OBC	01	BA-II	8552889866	pritamnadekar@gmail.com	At .Mendhala Tah.Narkhed Dist Nagpur
2	Ravi G Pariya	Male	2.3.2001	Lohari Sawnga	SC	02	B.A-II	8767904638	ravikumar11@gmail.com	At .Lohari Sawnga Tah.Narkhed Dist Nagpur
3	Avi Raju Anevar	Male	6.10.2002	Lohari Sawnga	OBC	03	B.A-II	9359683383	Anewaravi123@gmail.com	At .Lohari Sawnga Tah.Narkhed Dist Nagpur
4	Nandu Manerao	Male	18.8.2001	Lohari Sawnga	SC	04	B.A-II	8788080766	Maneraonadu2717@gmail.com	At .Lohari Sawnga Tah.Narkhed Dist Nagpur
5	Sopan S Ghorpade	Male	1.7.2000	Mendhala	SC	05	M.A-I	7218304089	Sopanghorpade2000@gmail.com	At .Umatha Tah.Narkhed Dist Nagpur
6	Kishan Nehare	Male	20.11.1999	Lohari Sawnga	OBC	06	B.Com II	9284433468	Kisanehare2400@gmail.com	At .Lohari Sawnga Tah.Narkhed Dist Nagpur
7	Kavish A Sembekar	Male	9.4.2000	Mendhala	OBC	07	B.A-I	9307681003	Kavishsembekar11@gmail.com	At .Mendhala Tah.Nark

										hed Dist Nagpur
8	Durgara j R Pasthan	Male	9.10.200 2	Thumasar	ST	08	B.A-I	9156490 375	Pastandurgaraj12@gmail com	At .Thumasar Tah.Nark hed Dist Nagpur
9	Mohit R Dhopre	Male	6.11.200 4	Sahajapur	OBC	09	B.A-II	9922714 223	Dhopremohit123@g mail.com	At .Sahajapur Tah.Nark hed Dist Nagpur
10	Puja T Kawade	Femal e	27.9.200 3	Lohari Sawanga	OBC	10	B.A-II	9322773 215	Pkawade86@g mail.com	At .Lohari Sawanga Tah.Nark hed Dist Nagpur
11	Prachi D Dhamde	Femal e	5.12.200 2	Sakharkh eda	OBC	11	B.A-II	8390303 578	Dhamdeprachi143@gm ail.com	At .Sakharkh eda Tah.Nark hed Dist Nagpur
12	Payal H Dhopre	Femal e	9.5.2003	Sinjur	OBC	12	B.A-II	9022972 623	Dhoprepayal22@gmail. com	At .Sinjur Tah.Nark hed Dist Nagpur
13	Roshani R Sawark ar	Femal e	6.8.2003	Lohari Sawanga	OBC	13	B.A-II	7498338 658	Sawarkarroshani35@g mail.com	At .Lohari Sawanga Tah.Nark hed Dist Nagpur
14	Aishwar ya P Padole	Femal e	22.12.20 03	Rohna	OBC	14	B.A-II	7620159 386	Aishwaryapadole2@g mail.com	At .Rohna Tah.Nark hed Dist Nagpur
15	Gunjan S Hajare	Femal e	21.2.200 4	Rohna	OBC	15	B.A-II	9322131 293	Gunjanhajare290@gmia l.com	At .Rohna Tah.Nark hed Dist Nagpur

Curriculum:

The curriculum of the Certificate Course in Argo-Economics covered a wide range of topics, combining theoretical knowledge with practical applications. The course content was designed to provide participants with a holistic understanding of agro-economic concepts. The major topics covered during the course included:

Assessment and Certification:

To evaluate the participants' understanding and knowledge gained from the course, regular assessments and assignments were conducted. These assessments aimed to gauge the participants' comprehension of the subject matter and their ability to apply the learned concepts. Upon successful completion of the course and meeting the assessment criteria, participants were awarded certificates in Argo-Economics.

Conclusion:

The Certificate Course in Argo-Economics conducted by the Department of Economics at Arvinbaba Deshmukh Mahavidyalaya, Bharsingi, Dist. Nagpur, successfully fulfilled its objective of bridging the gap between agricultural practices and economic principles. The course equipped participants with the necessary skills and knowledge to contribute towards the sustainable development of agriculture. The positive feedback received from the participants further reinforces the effectiveness and value of this course.

We express our gratitude to the management, faculty, and staff of Arvinbaba Deshmukh Mahavidyalaya for their support in organizing and conducting this course




Course Co-coordinator
Mr. Vijay P Rahangdale


Principal
Arvindbahu Deshmukh Mahavidhyalaya
Bherangi Dist. Nagpur



Rashtrasant Tukadoji Maharaj Nagpur University Nagpur

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University Skill Development Centre
(under Board of Lifelong Learning and Extension)

Certificate

Mr./Ms. AISHWARYA P PADDLE No. JSA AE-14
is awarded with Certificate on successful completion of the course titled CERTIFICATE COURSE IN AGRO-ECONOMICS under Jeevan Shikshan Abhiyan conducted for 16 hours from 01.03.2023 to 31.03.2023 by the Board of Lifelong Learning & Extension in collaboration with the Department of ECONOMICS Arvindbabu Deshmukh Mahavidyalaya, Bharsingi, Dist. Nagpur.
He/She has passed the Examination with CGPA — and A Grade.
Total Credits Earned: 1


Dr. Prakash D. Pawar
Principal
Arvindbabu Deshmukh Mahavidyalaya
Bharsingi, Dist. Nagpur


Course Coordinator
Arvindbabu Deshmukh Mahavidyalaya
Bharsingi, Dist. Nagpur

Principal
Arvindbabu Deshmukh Mahavidyalaya
Bharsingi, Dist. Nagpur


Dr. Nishikant Raut
Director
Board of Lifelong Learning
and Extension



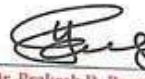
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University Skill Development Centre
(under Board of Lifelong Learning and Extension)

Certificate

Mr./Ms. PAYAL H DHOPARE No. JSA AE-12
is awarded with Certificate on successful completion of the course titled CERTIFICATE COURSE IN AGRO-ECONOMICS under Jeevan Shikshan Abhiyan conducted for 16 hours from 01.03.2023 to 31.03.2023 by the Board of Lifelong Learning & Extension in collaboration with the Department of ECONOMICS Arvindbabu Deshmukh Mahavidyalaya, Bharsingi, Dist. Nagpur.
He/She has passed the Examination with CGPA — and B+ Grade.
Total Credits Earned: 1


Dr. Prakash D. Pawar
Principal
Arvindbabu Deshmukh Mahavidyalaya
Bharsingi, Dist. Nagpur


Course Coordinator
Arvindbabu Deshmukh Mahavidyalaya
Bharsingi, Dist. Nagpur


Dr. Nishikant Raut
Director
Board of Lifelong Learning
and Extension


Principal
Arvindbabu Deshmukh Mahavidyalaya

Session 2022-23

Evidences of Completion of Courses:

CC: Vermicomposting

Arvinbabu Deshmukh Mahavidyalaya, Bharsingi
Department of Zoology
Academic Session:-2022-23
Certificate Course in Vermicomposting

Name of the Certificate Course: **Vermicomposting**

Vermicompost is one of the most important manures of organic farming. In this context, the skill development certificate course has been sanctioned under Jeevan Shikshan Abhiyan on non grant basis for the duration of 30 hrs. with 2 credit. For this course total 15 students has been admitted.

Introduction

Earthworms have been on the Earth for over 20 million years. In this time they have faithfully done their part to keep the cycle of life continuously moving. Their purpose is simple but very important. They are nature's way of recycling organic nutrients from dead tissues back to living organisms. Many have recognized the value of these worms. Ancient civilizations, including Greece and Egypt valued the role earthworms played in soil. The Egyptian Pharaoh, Cleopatra said, Earthworms are sacred. She recognized the important role the worms played in fertilizing the Nile Valley croplands after annual floods. Charles Darwin was intrigued by the worms and studied them for 39 years. Referring to an earthworm, Darwin said, it may be doubted whether there are many other animals in the world which have played so important a part in the history of the world. The earthworm is a natural resource of fertility and life. (1) Earthworms live in the soil and feed on decaying organic material. After digestion, the undigested material moves through the alimentary canal of the earthworm, a thin layer of oil is deposited on the castings. This layer erodes over a period of 2 months. So although the plant nutrients are immediately available, they are slowly released to last longer. The process in the alimentary canal of the earthworm transforms organic waste

to natural fertilizer. The chemical changes that organic wastes undergo include deodorizing and neutralizing. This means that the pH of the castings is 7 (neutral) and the castings are odorless. The worm castings also contain bacteria, so the process is continued in the soil, and microbiological activity is promoted.

(2) *Vermicomposting* is the process of turning organic debris into worm castings. (3) The worm castings are very important to the fertility of the soil. The castings contain high amounts of nitrogen, potassium, phosphorus, calcium, and magnesium. Castings contain: 5 times the available nitrogen, 7 times the available potash, and 1 times more calcium than found in good topsoil. (4) Several researchers have demonstrated that earthworm castings have excellent aeration, porosity, structure, drainage, and moisture-holding capacity. (5) The content of the earthworm castings, along with the natural tillage by the worms burrowing action, enhances the permeability of water in the soil. Worm castings can hold close to nine times their weight in water. (6) Vermiconversion, or using earthworms to convert waste into soil additives, has been done on a relatively small scale for some time. (7) A recommended rate of vermicompost application is 15-20 percent.

Vermicomposting is done on small and large scales. In the 1996 Summer Olympics in Sydney, Australia, the Australians used worms to take care of their tons and tons of waste. They then found that waste produced by the worms was could be very beneficial to their plants and soil. (8) People in the U.S. have commercial vermicomposting facilities, where they raise worms and sell the castings that the worms produce. Then there are just people who own farms or even small gardens, and they may put earthworms into their compost heap, and then use that for fertilizer.

The objectives of this project were:

1) To determine the optimal vermicompost/soil admixture for growth of *Pelargonium hortorum*.

2) To compare the growth of geraniums in the optimal vermicompost/soil admixture to those grown in standard potting soil supplemented with chemical fertilizer. After library research, it was believed that geranium growth would vary among different vermicompost/soil admixtures, and that optimal vermicompost/soil admixture would produce better plant growth than chemical fertilizer. Therefore, the null hypotheses were: i) There would be no significant differences among geranium growth in different vermicompost/soil admixtures; and ii) There would be no significant differences in geranium growth between the optimal vermicompost/soil admixture and those supplemented with chemical fertilizer.

Admixture, Plant Growth, and Measurement Procedure

Vermicompost was obtained from a commercial vermicomposting facility, which composts mostly paper products. The geranium seeds were obtained from a plant nursery. Calculations were done to determine 5%, 15%, and 30% vermicompost/soil admixture masses and an electronic balance was used to measure the soil and compost for mixing. For each admixture ten pots were filled; the control group contained only soil, and ten pots were filled with soil mixed with chemical fertilizer. Small amounts of the planting medium from each group were set aside for testing. Geranium seeds were planted and allowed to grow for three weeks before transplanting. One geranium plant was planted in each pot. The plants were watered daily and observed for five weeks. Plant height and widths were measured each week. Measurements were made on three leaf midribs on every plant weekly, and the average of the three was recorded. When the growing term was ended, the geraniums were pulled from the soil. The above-ground shoots were separated from the below-ground roots and allowed to dry for one day. An electronic balance was used to find the mass in grams of the shoot and root sections of each plant.

Soil Analysis Procedure

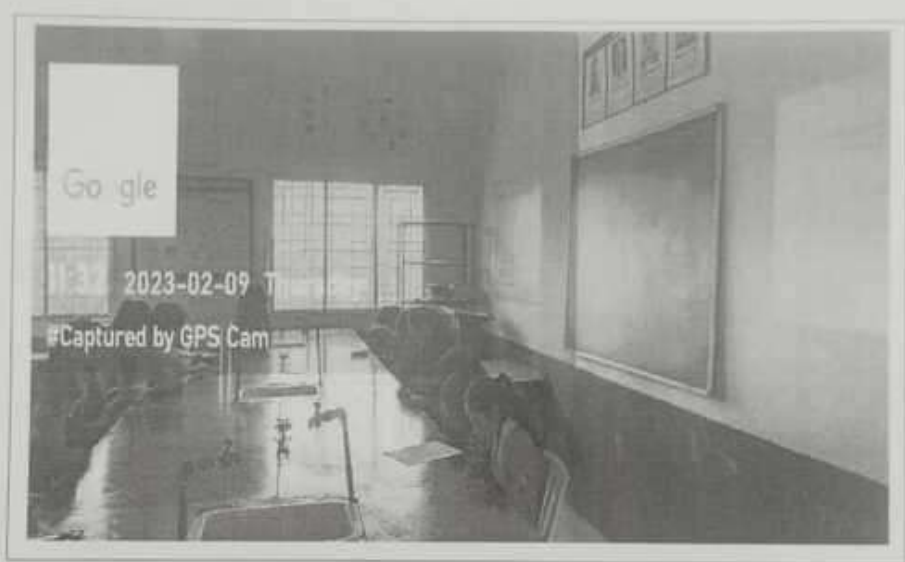
Each of the vermicompost/soil admixture set ups control, 5%, 15%, 30%, and chemical fertilizer added were tested using a Hach Soil Test Kit before plant growth. Determination of soil pH was done using the aqueous soil extraction method and a Pocket Pal pH electrode. Filtered extract from a Mehlich 2 Extraction for soil was used for phosphorus analysis (PhosVer 3 Method) and potassium analysis (Turbidimetric Tetraphenylborate Method). A calcium sulfate extraction for soil provided filtered extract for determination of nitrate-nitrogen by the Cadmium Reduction Method.

PRODUCTION OF VERMICOMPOST

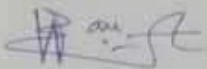
Organic solid waste management by employing earthworms has multifarious role to play in a developing country like India. Firstly, it makes way for utilization of available organic wastes to produce the rich source of organic manure of high quality, which is superior to other types of organic manures in its physico-chemical and biological properties. Secondly, the manure is produced in a shorter duration of time of six weeks and is a fully matured, homogenous matter. Thirdly, the programme provides job opportunities for the unskilled labour force. Finally, it is the best way of safe guarding the environment. Vermicompost (compost produced by the activity of selected species of earthworms) has been adjudged as the best source of organic amendments to soil. Using vermicompost can fulfill the requirements for organically grown products.

Vermicompost is one of the most important manures of organic farming. In this context, the skill development workshop has been organized by department of Zoology. The resource person for this workshop was Dr. Pravin Kale Assistant Professor, Dept. Of Botany, Model college Karanja. This one day workshop had been divided into 2 sessions and in each session, participants gained a variety of knowledge related to vermicomposting from the resource person. During this workshop, the participant learned the various approaches to

vermicomposting. The students gained knowledge about the Vermicompost preparation method, application method, management of vermicompost, vermiwash preparation, application of vermiwash, and management of vermiwash tank. At the end of this training program our vermicompost production units, have been constructed by the students.






Course Co-ordinator
Arvindbabu Deshmukh
Mahavidyalaya, Bharsingi


PRINCIPAL
ARVINDBABU DESHMUKH MAHAVIDYALAYA
BHARSINGI, DIST. NAGPUR



Rashtrasant Tukadoji Maharaj Nagpur University Nagpur

(Established by Government of Central Provinces Education Department by Notification No. 513 dated the 1st August, 1923 & Presently a State University governed by Maharashtra Public Universities Act, 2016 (Mah. Act No. VI of 2017))

University Skill Development Centre
(under Board of Lifelong Learning and Extension)

Certificate

No. JSA-VC-02

Mr./Ms. Bhupesh Raikumar Morekar is awarded with Certificate on successful completion of the course titled Vermicomposting under Jeevan Shikshan Abhiyan conducted for 30 hours from 01.01.2023 to 30.01.2023 by the Board of Lifelong Learning & Extension in collaboration with the Department of Zoology, Arvindbabu Deshmukh Mahavidyalaya, Bharsingi, Dist. Nagpur. He/She has passed the Examination with CGPA — and B⁺ Grade. Total Credits Earned: 2

Dr. Prakash D. Pawar
Principal
Arvindbabu Deshmukh Mahavidyalaya
Bharsingi, Dist. Nagpur

Dr. Nitin M. Raut
Course Coordinator
Arvindbabu Deshmukh Mahavidyalaya
Bharsingi, Dist. Nagpur

Dr. Nishikant Raut
Director
Board of Lifelong Learning
and Extension



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University Skill Development Centre
(under Board of Lifelong Learning and Extension)

Certificate

No. JSA-VC-01

Mr./Ms. Khushbu Tukaramji Ingale is awarded with Certificate on successful completion of the course titled Vermicomposting under Jeevan Shikshan Abhiyan conducted for 30 hours from 01.01.2023 to 30.01.2023 by the Board of Lifelong Learning & Extension in collaboration with the Department of Zoology, Arvindbabu Deshmukh Mahavidyalaya, Bharsingi, Dist. Nagpur. He/She has passed the Examination with CGPA — and B⁺ Grade. Total Credits Earned: 2

Dr. Prakash D. Pawar
Principal
Arvindbabu Deshmukh Mahavidyalaya
Bharsingi, Dist. Nagpur

Dr. Nitin M. Raut
Course Coordinator
Arvindbabu Deshmukh Mahavidyalaya
Bharsingi, Dist. Nagpur

Dr. Nishikant Raut
Director
Board of Lifelong Learning
and Extension

Session 2022-23

Evidences of Completion of Courses:

CC: Mushroom Cultivation

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

Arvindbabu Deshmukh Mahavidyalaya, Bharsingi,
Ta-Narkhed, Dist-Nagpur

Department of Botany
Short Term Certificate course in Mushroom Cultivation

Under
Jeevan Shikshan Abhiyan

Report 2022-23

Course Objectives

- Students will be able to get employment
- Interested students will get the knowledge of mushroom cultivation
- It requires less space or land
- Students will also turn towards organic farming
- It gives more profit in short time
- To reduce environment pollution and social awareness

Duration of the course: 26 hrs

Fee structure: Rs. 300 (Three Hundred) per student

Eligibility Criteria: Undergraduate students from any discipline are eligible to take admission in this course.

Maximum intake: 20

Examination: The course consists of one theory paper of 70 marks and practical of 30 marks, thus totaling of 100 marks.

Learning outcomes: At the end of the course the students will be able to get knowledge about technique of mushroom cultivation.

Focus:

1. The mushrooms grow independent of sunlight.
2. Does not require fertile soil.
3. Feed on organic matter.
4. Higher productivity.

During academic session 2022-23 short term certificate course in mushroom cultivation was sanctioned to the Department of Botany, Arvindbabu Deshmukh Mahavidyalaya, Bharsingi wide letter No.DOLLE/22 dated 13/12/2022 by the Department of Lifelong Learning and Extension, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur with duration of 26 hrs. and intake capacity of 20 students along with fee of 300 Rs. Per students. Dr.Shailesh R.Bansod was appointed as the course co-ordinator. Among 20 students 8 boys and 12 girls of B.Sc.-I (Sem-II) and B.Sc.-II (Sem-IV) were admitted to the course. After registration of the students for the course the practical and theory sessions were conducted as per the time table. The faculty members of Department of Botany, Dr.Smita P.Gudadhe, Head of the Department, Dr.Shailesh Bansod , Course Co-ordinator, Mr.Surendra Sinkar, Miss. Manasi Joshi were conducted the allotted theory and practical sessions of the course commenced from the dated 9th January 2023 to 15th February.

The students were taught according to the syllabus prescribed for the course and were also encouraged to grab the skill related to the mushroom cultivation so as to increased their skill and economic development in near future. Theory and practical examinations were conducted on dated 23/02/2023 and 21/02/2023 respectively. Students visited along with course co-ordinator and faculty members of department of Botany to the DAESI (Diploma in Agricultural Extension Services for Input Dealer) farms Kalmeshwar Mushroom Cultivation unit on dated 28/04/2023 and clarify the pros and cons of mushroom cultivation in details by interacting with the experts over there. The record of theory and practical examinations along with other relevant documents were submitted to the office of the Director, Department of lifelong Learning and Extension , Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur for further process and signature on course certificate to be distributed among the students.



(Dr.Shailesh R.Bansod)

Course Co-ordinator
Arvindbabu Deshmukh
Mahavidyalaya, Bharsingi



(Dr. Prakash D.Pawar)

Principal
Arvindbabu Deshmukh Mahavidyalaya
Bharsingi, Dist. Nagpur

Glimpses of the Course



Mr.Surendra Sinkar, conducting theory class while Dr.S.R.Bansod, Course Co-ordinator, guiding the students.




Dr.Smita P.Gudadhe , Head of the Department and Miss Manasi A.Joshi during conduction of theory class



Students during demonstration in lab



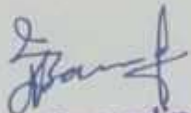

Course Co-ordinator
Arvindbabu Deshmukh
Mahavidyalaya, Bharsingi



Conduction of Practical Examination of the certificate course



Conduction of theory examination of the certificate course


Course Co-ordinator
Arvinbhabu Deshmukh
Mahavidyalaya, Bharsingi

Visit to the DAESI Farms Mushroom Cultivation Unit, Kalmeshwar



Expert from DAESI Farms explaining students the procedure and requirements for mushroom cultivation while students also interacted with them and clarify their doubts.

Dr.S.R.Bansod
Course Co-ordinator
Arvindbabu Deshmukh
Mahavidyalaya, Bharsingi



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University Skill Development Centre
(under Board of Lifelong Learning and Extension)

Certificate

No. ISA MC-19

Mr./Ms. Chandu Pramod Barkar is awarded with Certificate on successful completion of the course titled Mushroom Cultivation under Jeevan Shikshan Abhiyan conducted for 26 hours from 9th Jan 2023 to 15th Feb 2023 by the Board of Lifelong Learning & Extension in collaboration with the Department of Botany Arvindbabu Deshmukh Mahavidyalaya, Bharsingi, Dist. Nagpur.

He/She has passed the Examination with CGPA _____ and B Grade.

Total Credits Earned: 01

Dr. Prakash D. Pawar
Principal
Arvindbabu Deshmukh Mahavidyalaya
Bharsingi, Dist. Nagpur

Course Coordinator
Arvindbabu Deshmukh Mahavidyalaya
Bharsingi, Dist. Nagpur

Dr. Nishikant Raut
Director
Board of Lifelong Learning
and Extension

Course Co-ordinator
Arvindbabu Deshmukh
Mahavidyalaya, Bharsingi



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University Skill Development Centre
(under Board of Lifelong Learning and Extension)

Certificate

No. ISA MC-20

Mr./Ms. Sahil Nanabhau Deshbhrafar is awarded with Certificate on successful completion of the course titled Mushroom Cultivation under Jeevan Shikshan Abhiyan conducted for 26 hours from 9th Jan 2023 to 15th Feb 2023 by the Board of Lifelong Learning & Extension in collaboration with the Department of Botany Arvindbabu Deshmukh Mahavidyalaya, Bharsingi, Dist. Nagpur.

He/She has passed the Examination with CGPA _____ and B Grade.

Total Credits Earned: 01

Dr. Prakash D. Pawar
Principal
Arvindbabu Deshmukh Mahavidyalaya
Bharsingi, Dist. Nagpur

Course Coordinator
Arvindbabu Deshmukh Mahavidyalaya
Bharsingi, Dist. Nagpur

Dr. Nishikant Raut
Director
Board of Lifelong Learning
and Extension

Course Co-ordinator
Arvindbabu Deshmukh
Mahavidyalaya, Bharsingi



अंतरिक्ष विभाग / DEPARTMENT OF SPACE
भारत सरकार / GOVERNMENT OF INDIA
भारतीय अंतरिक्ष अनुसंधान संगठन / INDIAN SPACE RESEARCH ORGANISATION
भारतीय सुदूर संवेदन संस्थान, देहरादून / INDIAN INSTITUTE OF REMOTE SENSING, DEHRADUN



नामांकन सं. / Enrolment No. : 20221011565505



CERTIFICATE OF PARTICIPATION IN ONLINE COURSE

यह प्रमाणपत्र

MR. SWAYAM PURUSHOTTAM DHOLE

को " वायुमंडल का उपग्रहीय सुदूर संवेदन "

में ऑनलाइन पाठ्यक्रम में भाग लेने पर प्रदान किया जाता है।

इस ऑनलाइन पाठ्यक्रम का आयोजन 11 जुलाई, 2022 से 15 जुलाई, 2022 (कुल पाठ्यक्रम की अवधि = 7 घंटे 30 मिनट) के दौरान किया गया।

THIS CERTIFICATE IS

AWARDED TO

MR. SWAYAM PURUSHOTTAM DHOLE

ON HAVING PARTICIPATED IN THE ONLINE COURSE ON

"Satellite Remote Sensing of Atmosphere"

THIS ONLINE COURSE WAS CONDUCTED DURING **11-07-2022 to 15-07-2022** (Total course duration was = 7 hours and 30 minutes).

Date: 27-07-2022

Place: Dehradun

UID: 87263b4e4563ddbe9883e843c33c7cfd. This Certificate can be validated using URL- <https://certificate.iirs.gov.in>

निदेशक / Director

आई.आई.आर.एस, देहरादून/ IIRS, Dehradun



अंतरिक्ष विभाग /DEPARTMENT OF SPACE
भारत सरकार/GOVERNMENT OF INDIA
भारतीय अंतरिक्ष अनुसंधान संगठन /INDIAN SPACE RESEARCH ORGANISATION
भारतीय सुदूर संवेदन संस्थान, देहरादून / INDIAN INSTITUTE OF REMOTE SENSING, DEHRADUN



नामांकन सं. / Enrolment No.: 20221091707696



CERTIFICATE OF PARTICIPATION IN ONLINE COURSE

यह प्रमाणपत्र

MR. SWAYAM PURUSHOTTAM DHOLE

को " जियोकम्प्यूटेशन एवं जियोवेब सर्विसेस का अवलोकन " में ऑनलाईन पाठ्यक्रम में भाग लेने पर प्रदान किया जाता है।

इस ऑनलाइन पाठ्यक्रम का आयोजन 31 अक्टूबर, 2022 से 04 नवंबर, 2022 (कुल पाठ्यक्रम की अवधि = 7 घंटे 30 मिनट) के दौरान किया गया।

THIS CERTIFICATE IS

AWARDED TO

MR. SWAYAM PURUSHOTTAM DHOLE

ON HAVING PARTICIPATED IN THE ONLINE COURSE ON

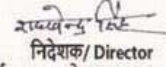
"Overview of Geocomputation and Geo-web services"

THIS ONLINE COURSE WAS CONDUCTED DURING **31-10-2022 to 04-11-2022** (Total course duration was = 7 hours and 30 minutes).

Date: 09-12-2022

Place: Dehradun

UID: 74341aec49c9a1070503720105e17bd0 .This Certificate can be validated using URL- <https://certificate.iirs.gov.in>


निदेशक/ Director

आई.आई.आर.एस, देहरादून/ IIRS, Dehradun

Centre for Continuing Education

Indian Institute of Technology Kanpur



This is to certify that

Swayam Purushottam Dhole

has participated in the course

Classical Electromagnetism - 2 (Magnetostatics)

(August 15 to December 25, 2022)

and

the performance was **Satisfactory /Good/Very Good/Excellent/Outstanding**

Professor B. V. Rathish Kumar
Head, Centre for Continuing Education
IIT Kanpur

Prof. H. C. Verma (Retd.)
Department of Physics
IIT Kanpur

Verify at outreach.iitk.ac.in/v/63aa78a76e7c317ee4092500

