



Pune District Education Association's  
**Annasaheb Magar Mahavidyalaya**  
 Hadapsar, Pune- 411028

Affiliated to Savitribai Phule Pune University, Pune



## Self Study Report: 2024 (4<sup>th</sup> Cycle)



### Criterion - 1 Curricular Aspects

#### Key Indicator- 1.2 Academic Flexibility

##### Metric: 1.2.1(QnM)

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)



Submitted to  
**NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL BENGALURU**

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### 2021- 2022

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**Notice****Marathi bhashechi upyojit kaushalye  
(Applied Marathi Language Skills)****Timing: 10.00 to 1.00 PM: 3 Hours****2.00 to 4.00 PM: 2 Hours****Per day 5 Hours****25/06/2022 to 30/06/2022 (6 Days X 5 hr. = 30 hr.)**

पुणे जिल्हा शिक्षण मंडळाचे,  
अण्णासाहेब मगर महाविद्यालय, हडपसर पुणे-२८  
मराठी विभाग


प्रमाणपत्र कोर्स :- मराठी भाषेची उपयोजित कौशल्ये (२ क्रेडिट)

दिनांक :- २० जून २०२२


कला शाखेअंतर्गत पदव्युत्तर स्तरावर अभ्यास असलेल्या अभ्यासक्रमाचे व्यावहारिक जीवनात समर्थपणे उपयोजन करणे महत्त्वाचे असते. आधुनिक कालखंडात समाज जसजसा विकास होत आहे तसतशी भाषेच्या योजनांची क्षेत्रीय व्यापक आणि विविधांगी होत आहेत. त्या अनुषंगाने व्यवसायाच्या नवनवीन संधी निर्माण होत आहेत. भाषेच्या अभ्यासाला आणि उपयोग केला नवनवीन परिणाम प्राप्त होत आहेत. आज सामाजिक साहित्य क्षेत्रामध्ये सूत्रसंचालन, मुद्रितशोधन, अनुवाद, अनुदिनी/ ब्लॉग लेखन, रेडिओ जॉकी वगैरे क्षेत्रांमध्ये नियोजित कौशल्याची गरज प्राधान्याने निर्माण होत आहे. व्यवसाय म्हणून या कौशल्याचे नियोजन व्यावहारिक जीवनात करता येणे शक्य व्हावे या भूमिकेतून मराठी विभाग सदर प्रमाणपत्र अभ्यासक्रमांचे आयोजन केलेले आहे. हा प्रमाणपत्र कोर्स Online असेल. तरी सर्व विद्यार्थ्यांनी Google meet ची लिंक तुम्हाला ग्रुप वर ती दिली जाईल .

सदर प्रमाणपत्र कोर्स दि. २५ जून २०२२ ते ३० जून २०२२ या कालवधीत असून तो दोन सत्रात असेल ( सकाळी १० :०० ते ०१ : ०० व दुपारी २.०० ते ४.०० )

\* आपणाक दिलेल्या सूचनांनुसार ए खेस डॉजगारिज अस्तजा तरी-शकी  
उपरिहाय कारणाने डॉजगारिज टोरेल.  
शिक्षणिक वर्ष 2021-22 T.Y.B.A मराठी स्पेशल असलेल्या विद्यार्थ्यांना हा कोर्स बंधनकारक आहे.

  
समन्वयक  
प्रा.डॉ. ए.डी.पवार

  
मराठी विभाग प्रमुख  
अण्णासाहेब मगर महाविद्यालय  
हडपसर, पुणे-४११ ०२८.

  
प्राचार्य  
अण्णासाहेब मगर महाविद्यालय,  
हडपसर, पुणे-४११०२८.

टीप:- सदर प्रमाणपत्र अभ्यासक्रमांचा आराखडा एकूण ३० तासिका

Time table & Attendance (20)Marathi bhashechi upyojit kaushalye  
(Applied Marathi Language Skills)

P.D.E.A's

Annasaheb Magar Mahavidyalaya, Hadapsar, Pune - 28

Department of Marathi Academic Year 2020-21

Attendance Record


Class :- T.Y.B.A. Marathi

Course Name :- मराठी भाषेची उपयोजित कौशल्ये : 2 Credit / 30 Lectures


प्रमाणपत्र अभ्यासक्रम कालावधी : २५ ते ३० जून २०२२

वेळ : सकाळी १०.०० ते १.०० व दुपारी २.०० ते ५.००

Sr. No.	Name of the Student	२५/६/२२	२६/६/२२	२७/६/२२	२८/६/२२	२९/६/२२	३०/६/२२
1	DADAS DIPAK SHANKAR	Dadas	Dadas	Dadas	Dadas	Dadas	Dadas
2	HAKE PANDURANG SANJAY	Hake	Hake	Hake	Hake	Hake	Hake
3	CHABUKSWAR TUSHAR SAMADHAN	Chabukswar	Chabukswar	Chabukswar	Chabukswar	Chabukswar	Chabukswar
4	ITKAR GANESH WAMAN	Itkar	Itkar	Itkar	Itkar	Itkar	Itkar
5	DHOLE SUSHMA SADASHIV	Dhole	Dhole	Dhole	Dhole	Dhole	Dhole
6	SARUKTE ARUN SHIVRAM	Sarukte	Sarukte	Sarukte	Sarukte	Sarukte	Sarukte
7	GAMBHIRE SHYAMNATH VASANT	Gambhire	Gambhire	Gambhire	Gambhire	Gambhire	Gambhire
8	PAWAR SHREYAS RAJENDRA	SRP	SRP	SRP	SRP	SRP	SRP
9	MOHITE ATHARV SHANTARAM						AB
10	LINGFODE SWATI SANTOSH	Lingfode	Lingfode	Lingfode	Lingfode	Lingfode	Lingfode
11	KUNJIR GANESH ROHIDAS	Kunjir	Kunjir	Kunjir	Kunjir	Kunjir	Kunjir
12	SABLE LAKSHMI NARAYAN	Sable	Sable	Sable	Sable	Sable	Sable
13	TAUR RAJGURU BHARAT	Taur	Taur	Taur	Taur	Taur	Taur
14	MULANI ASHRAF ABBAS	Mulani	Mulani	Mulani	Mulani	Mulani	Mulani
15	GAIKWAD ATISH DAYANAND	Gaikwad	Gaikwad	Gaikwad	Gaikwad	Gaikwad	Gaikwad
16	SANGULE MOHINI BHARAT	Sangule	Sangule	Sangule	Sangule	Sangule	Sangule
17	SHITOLE RAVIRAJ YUVRAJ	Shitole	Shitole	Shitole	Shitole	Shitole	Shitole
18	KALE PRIYANKA PRAKASH	P.P.Kale	P.P.Kale	P.P.Kale	P.P.Kale	P.P.Kale	P.P.Kale
19	PAIGUDE RUSHIKESH DATTATRY	Paigude	Paigude	Paigude	Paigude	Paigude	Paigude
20	NIKE PRANAY BHIMRAO	Nike	Nike	Nike	Nike	Nike	Nike
21	UNDRE PRITI BHARAT	Undre	Undre	Undre	Undre	Undre	Undre
22	KALE VITHHAL NARAYAN	Kale	Kale	Kale	Kale	Kale	Kale
23							
24							
25							

  
समन्वयक  
डॉ. नानासाहेब पवार



  
मराठी विभागप्रमुख  
डॉ. प्रवीण ससाणे  
मराठी विभाग प्रमुख  
अण्णासाहेब मगर महाविद्यालय  
हडपसर, पुणे-४११ ०२८.

# Syllabus

## Marathi bhashechi upyojit kaushalye (Applied Marathi Language Skills)

**Certificate Course**  
Proposed By  
**Annasaheb Magar Mahavidyalaya, Hadapsar.**  
Under  
**Faculty Of Humanities**  
**Dept.of Marathi**

### SYLLABUS STRUCTURE, RULES AND REGULATIONS

**1. Preamble :**

पदवी व पदव्युत्तर स्तरावर अभ्यासलेल्या अभ्यासक्रमाचे व्यावहारिक जीवनात समर्थपणे उपयोजन करणे महत्वाचे असते. आधुनिक कालखंडात समाज जसजसा विकसित होत आहे. तसतशी भाषेच्या उपयोजनाची क्षेत्रे व्यापक आणि विविधांगी होत आहेत. त्या अनुषंगाने व्यवसायाच्या नवनवीन संधी निर्माण होत आहेत. भाषेच्या अभ्यासात आणि उपयुक्ततेत नवनवीन परिमाणे प्राप्त होत आहेत. आज सामाजिक, साहित्यिक क्षेत्रांमध्ये सूत्रसंचालन, मुद्रितशोधन, अनुवाद, अनुदिनी / व्लोग लेखन, रेडिओ जांकी वगैरे क्षेत्रांमध्ये उपयोजित कौशल्यांची गरज प्राधान्याने निर्माण होते आहे. व्यवसाय म्हणून या कौशल्यांचे उपयोजन व्यावहारिक जीवनात करता येणे शक्य व्हावे या भूमिकेतून मराठी विभागाने सदर प्रमाणपत्र अभ्यासक्रमाचे आयोजन केले आहे.

**2. Objectives:**

१. व्यावसायिक दृष्ट्या सूत्रसंचालक म्हणून पात्रता मिळवणे.
२. व्यावसायिक दृष्ट्या मुद्रितशोधक म्हणून पात्रता मिळवणे.
३. व्यावसायिक दृष्ट्या अनुवादक म्हणून पात्रता मिळवणे
४. व्यावसायिक दृष्ट्या अनुदिनी लेखक / व्लोगर म्हणून पात्रता मिळवणे
५. व्यावसायिक दृष्ट्या रेडिओ जांकी म्हणून पात्रता मिळवणे

**3. Duration of the Course:.**

२ आठवडे

**4. Eligibility for Admission to the Course:**

पदवी आणि पदव्युत्तर विद्यार्थी

**5. Common Course Structure And Credit Distribution**

CourseCode	Name of the Course	Theory/Practical	Contact hours	Credits
	Marathi Bhashechi Upyojit Koushalya	TH	२०	२
		PR	१०	
		Field Work	-	

**6. Examination:**

७० गुणांची लेखी आणि ३० गुणांची प्रात्यक्षिक परीक्षा

  
मुख्याध्यक्ष  
श्री. आन्साहेब मगर

  
मराठी विभागप्रमुख  
श्री. प्रवीण सराफे  
मराठी विभाग प्रमुख  
अन्साहेब मगर महाविद्यालय  
हदपसर, पुणे-४११ ०२८.



## Syllabus

### Marathi bhashechi upyojit kaushalye (Applied Marathi Language Skills)

अण्णासाहेब मगर महाविद्यालय,  
हडपसर, पुणे. २८  
मराठी विभाग,  
प्रमाणपत्र अभ्यासक्रम



समन्वयकाचे नाव : डॉ.प्रविण ससाणे

मराठी भाषेची उपयोजित कौशल्ये (एकूण ३० तासिका )

#### Marathi Bhashechi Upyojit Koushalya

१. सूत्रसंचालन तासिका : ०६
- १.१ सूत्रसंचालनाचे स्वरूप
- १.२ सूत्रसंचालनाची क्षेत्रे
- १.३ सूत्रसंचालक होण्यासाठी पूर्वतयारी
- १.४ सूत्रसंचालन करण्यापूर्वी
- १.५ सूत्रसंचालन करताना
- १.६ सूत्रसंचालन : एक वलयांकित व्यवसाय
- १.७ प्रात्यक्षिक

डा. देवना सोनवले

२. मुद्रितशोधन तासिका : ०६
- २.१ मुद्रित शोधनाचे स्वरूप
- २.२ मुद्रित शोधककाचे महत्व
- २.३ मुद्रित शोधककाची भूमिका
- २.४ मुद्रित शोधनासाठी आवश्यक ज्ञान कौशल्य
- २.४ मुद्रितशोधककाची साधन सामग्री
- २.५ मुद्रित शोधनाचे तंत्र

डा. प्रवीण ससाणे

## Syllabus

### Marathi bhashechi upyojit kaushalye (Applied Marathi Language Skills)

- २.६ मुद्रितशोधनाच्या खुणांचा तक्ता  
२.७ मुद्रित शोधकाची गरज  
२.८ प्रात्यक्षिक

#### ३. अनुवाद

तासिका : ०६

- ३.१ अनुवाद स्वरूप  
३.२ अनुवादातील भेद: भाषांतर, अनुवाद, रूपांतर, स्वैर अनुवाद  
३.३ अनुवादाच्या भिन्नरूपातील फरक  
३.४ अनुवादकाची शैली  
३.५ अनुवादकाचा व्यासंग  
३.६ अनुवाद करताना पाळावयाची पथ्ये  
३.७ अनुवादात भाषेचे महत्व  
३.८ मुद्रित साहित्याच्या अनुवादाची कार्यक्षेत्रे  
३.९ मौखिक अनुवादाची कार्यक्षेत्रे  
३.१० प्रात्यक्षिक

डॉ. वाळुंकर पवार

#### ४. अनुदिनी ब्लॉग लेखन

तासिका : ०६

- ४.१ प्रास्ताविक  
४.२ अनुदिनी संकल्पना व स्वरूप  
४.३ अनुदिनी चा इतिहास  
४.४ अनुदिनीची क्षेत्रे  
४.५ अनुदिनीचे प्रकार  
४.६ अनुदिनी का लिहावी ?  
४.७ अनुदिनीसाठी विषयांची निवड

डॉ. रत्नाकर कोठारे





## Syllabus

### Marathi bhashechi upyojit kaushalye (Applied Marathi Language Skills)

अण्णासाहेब मगर महाविद्यालय



- ४.८ चांगल्या अनुदिनीची वैशिष्ट्ये
- ४.९ अनुदिनी निर्मिती प्रक्रिया
- ४.१० अनुदिनी लेखन करताना पाळावयाची पथ्ये
- ४.११ प्रात्यक्षिक

५. रेडिओ जॉकी

तासिका : ०६

- ५.१ रेडियो जॉकीची पार्श्वभूमी
- ५.२ रेडिओ जॉकी संकल्पना व स्वरूप
- ५.३ रेडिओ जॉकीच्या कामाचे स्वरूप
- ५.४ रेडियो जॉकीच्या व्यक्तिमत्त्वाचे पैलू
- ५.५ रेडिओ जॉकीसाठी आवश्यक अभ्यास आणि भाषिक कौशल्य
- ५.६ आवाजाची आणि निवेदनाची वैशिष्ट्ये
- ५.७ संवाद: एक आवश्यक कौशल्य
- ५.८ रेडियो जॉकीच्या च्या कार्यक्रमाचे स्वरूप
- ५.९ रेडिओ जॉकीची क्षेत्रे
- ५.१० प्रात्यक्षिक

प्रा. कनिष्ठा गोरकर

  
**Co-ordinator**  
**IQAC Committee**  
 Annasaheb Magar Mahavidyalaya,  
 Hadapsar, Pune-28.

  
 मराठी विभाग प्रमुख  
 अण्णासाहेब मगर महाविद्यालय  
 हडपसर, पुणे-४११ ०२८.

  
 ANNASANEH MAGAR MAHAVIDYALAYA  
 Hadapsar, Pune - 411 028.

## Course outcome

### Marathi bhashechi upyojit kaushalye (Applied Marathi Language Skills)

पुणे जिल्हा शिक्षण मंडळाचे  
अण्णासाहेब मगर महाविद्यालय, हडपसर  
मराठी विभाग  
२०२१ -२२



कार्सचे नाव : मराठी भाषेची उपयोजित कौशल्य

(Applied skills of Marathi language)

#### Course Outcomes

CO 1 विद्यार्थ्यांस कार्यक्रम सूत्रसंचालनाचे व्यवहारिक ज्ञान मिळाले

(Students gain practical knowledge of program coordination.)

CO 2 व्यावहारिक जीवनात प्रकाशन व्यवसायातील मुद्रित शोधन कौशल्याचे ज्ञान मिळाले.

(Gained knowledge of print search skills in publishing business in practical life.)

CO3 उपजीविकेच्या दृष्टीने अनुवादाचे कौशल्य प्राप्त झाले.

(Gained translation skills for livelihood.)

CO 4 मराठी भाषेतून अनुदिनी लेखन करणे हे कौशल्य प्राप्त झाले.

( The skill of writing Block from Marathi language was acquired.)

CO 5 आकाशवाणी सारख्या प्रसारमाध्यमात रेडिओ जॉकी होण्याकरिता आवश्यक असलेले कौशल्य प्राप्त झाले.

(Acquired the skills required to become a radio jockey in a medium like Akashvani)

प्रमाणपत्र अभ्यासक्रम समन्वयक

मराठी विभाग प्रमुख

# Question Paper

## Marathi bhashechi upyojit kaushalye (Applied Marathi Language Skills)

पुणे जिल्हा शिक्षण मंडळाचे  
अण्णासाहेब मगर महाविद्यालय हडपसर पुणे - २८

मराठी विभाग

प्रमाणपत्र कोर्स २०२१-२२

मराठी भाषेची उपयोजित कौशल्ये

परीक्षा



वेळ : १ तास

गुण ३०

प्रश्न : खालीलपैकी कोणत्याही तीन प्रश्नांची उत्तरे लिहा. (प्रत्येकी १० गुण )

१. सूत्रसंचालकाच्या अंगी कोणते गुण असावेत ते सविस्तर लिहा.
२. प्रकाशन प्रक्रियेतील निर्मिती आणि विक्री या संकल्पना स्पष्ट करा.
३. आकाशवाणीतील निवेदनाची वैशिष्ट्ये लिहा.
४. अनुदिनीची निर्मितीप्रक्रिया लिहा.
५. अनुवाद करताना पाळावयाची पथ्ये सांगा.

## Result Analysis

पुणे जिल्हा शिक्षण मंडळाचे  
अण्णासाहेब मगर महाविद्यालय हडपसर पुणे - २८



मराठी विभाग

प्रमाणपत्र कोर्स २०२१-२२

मराठी भाषेची उपयोजित कौशल्ये

प्रमाणपत्र अभ्यासक्रमाचे निकाल विश्लेषण

एकूण विद्यार्थी	२२
एकूण परीक्षेला बसलेले विद्यार्थी	२०
एकूण पास विद्यार्थी	२०
एकूण टक्केवारी	१००%

मराठी विभाग प्रमुख  
अण्णासाहेब मगर महाविद्यालय  
हडपसर, पुणे - ४११ ०२८.

## Photographs

### Marathi bhashechi upyojit kaushalye (Applied Marathi Language Skills)



## Report

### Marathi bhashechiupyojitkaushalye (Applied Marathi Language Skills)

पुणे जिल्हा शिक्षण मंडळाचे  
अण्णासाहेब मगर महाविद्यालय हडपसर पुणे 28  
मराठी विभाग  
मराठी प्रमाणपत्र अभ्यासक्रम (Applied Skill)  
अहवाल (२०२१-२२) (Report – 2021-22)

महाविद्यालयातील मराठी विभागाच्या वतीने कला, वाणिज्य, विज्ञान शाखेतील विद्यार्थ्यांसाठी 'उपयोजित कौशल्य' या प्रमाणपत्र अभ्यासक्रमाचे आयोजन दि. २५ ते ३० मे २०२२ या कालावधीत करण्यात आले होते. या प्रमाणपत्र अभ्यासक्रमासाठी २० विद्यार्थी सहभागी झाले होते. या प्रमाणपत्र अभ्यासक्रमासाठी तज्ज्ञ मार्गदर्शक म्हणून मराठी विभागप्रमुख डॉ. प्रवीण ससाणे, डॉ. नानासाहेब पवार, प्रा. वंदना सोनवले, प्रा. सागर कांबळे यांनी मार्गदर्शन केले. सदर विद्यार्थ्यांना उपयोजित कौशल्यांविषयी निर्धारित अभ्यासक्रम व प्रात्यक्षिक पूर्ण केल्यानंतर मा. प्राचार्य डॉ. पंडित शेळके यांच्या हस्ते विद्यार्थ्यांना प्रमाणपत्र देण्यात आले.

सदर प्रमाणपत्र अभ्यासक्रमाचे समन्वयक म्हणून डॉ. नानासाहेब पवार यांनी या कोर्सचे निवोजन केले.



प्रमाणपत्र अभ्यासक्रम समन्वयक




मराठी विभाग प्रमुख



## Notice

# Marathi Bhasha shuddhaLekhan ani LekhanKaushalye Vikas


## (Marathi Language Orthography and Hand writing Skills)

**Timing: 10.00 to 1.00 PM: 3 Hours**

**2.00 to 4.00 PM: 2 Hours**

**Per day 5 Hours**

**20/06/2022 to 25/06/2022 (6 Days X 5 hr. = 30 hr.)**



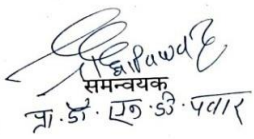
पुणे जिल्हा शिक्षण मंडळाचे,  
अण्णासाहेब मगर महाविद्यालय, हडपसर पुणे-२८  
मराठी विभाग

प्रमाणपत्र कोर्स :- मराठी भाषा शुद्ध लेखन आणि लेखन कौशल्य विकास (२ क्रेडिट)  
दिनांक:-२० जून २०२२

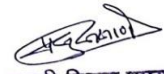
कला शाखेअंतर्गत पदव्युत्तर स्तरावर अभ्यास असलेल्या अभ्यासक्रमाचे व्यावहारिक जीवनात समर्थपणे उपयोजन करणे महत्त्वाचे असते. भाषा आणि समाज यांचे अनन्यसाधारण नाते असते एखाद्या राष्ट्राची भाषा विकसित झाली की राष्ट्र महत्त्वपूर्ण घटना आहे. भाषिक लेखन हे त्या भाषेला अभिजात भाषेचा दर्जाकडे घेऊन जाण्याचे महत्त्वपूर्ण साधन असते. त्यामुळे पदवीस्तरावर शिक्षण घेणाऱ्या विद्यार्थ्यांमध्ये मराठी भाषेच्या शुद्धलेखनाविषयी कौशल्य अवगत व्हावी या उद्देशाने मराठी भाषा शुद्धलेखन आणि कौशल्य विकास हा प्रमाणपत्र अभ्यासक्रम मराठी विभाग आयोजित करत आहे. व्यवसाय म्हणून या कौशल्याचे नियोजन व्यवहारी जीवनात करता येणे शक्य व्हावे या भूमिकेतून मराठी विभाग सदर प्रमाणपत्र अभ्यासक्रमांचे आयोजन केलेले आहे. हा प्रमाणपत्र कोर्स Online असेल. तरी सर्व विद्यार्थ्यांनी Google meet ची लिंक तुम्हाला युप वर ती दिली जाईल .

सदर प्रमाणपत्र कोर्स दि. २५ जून २०२२ ते ३० जून २०२२ या कालवधीत असून तो दोन सत्रात असेल ( सकाळी १० :०० ते ०१: ०० व दुपारी २.०० ते ४.०० )

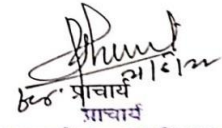
\* उपापगाय दिलेल्या सूचना ऑनलाईन वार्षिक अखत्यारीत उपरिदर्शित करण्यात येईल.  
कोर्स डॉ.प.जा.जी. शेळगावकर येथे  
शैक्षणिक वर्ष २०२१-२२ T.Y.B.A मराठी स्पेशल असलेल्या विद्यार्थ्यांना हा कोर्स बंधनकारक आहे.



डॉ. प. ज. शेळगावकर  
समन्वयक



मराठी विभाग प्रमुख  
अण्णासाहेब मगर महाविद्यालय  
हडपसर, पुणे-४११ ०२८.



डॉ. प्राचार्य  
अण्णासाहेब मगर महाविद्यालय,  
हडपसर, पुणे-४११०२८

टीप:- सदर प्रमाणपत्र अभ्यासक्रमांचा आराखडा एकूण ३० तासिका



## Syllabus

### Marathi Bhasha shuddhaLekhan ani LekhanKaushalye Vikas

#### (Marathi Language Orthography and Hand writing Skills)

अण्णासाहेब मगर महाविद्यालय,  
हडपसर, पुणे. २८  
मराठी विभाग,  
प्रमाणपत्र अभ्यासक्रम




समन्वयकाचे नाव : प्रा.सागर कांबळे

मराठी भाषा शुद्ध लेखन आणि लेखन कौशल्य विकास (एकूण ३० तासिका )

**Marathi Bhasha Shuddhlekhan aani Lekhankoushalya vikas**

१. मराठीतील शुद्धलेखन संकल्पना	तासिका : ०४ डॉ. मंगला म. कांबळे
२. शुद्धलेखनाचे नियम	तासिका : ०४ डॉ. मंगला म. कांबळे
३. प्रात्यक्षिक कार्य	तासिका : ०३ डॉ. मंगला म. कांबळे
४. भाषिक कौशल्य परिचय	तासिका : ०४ डॉ. मंगला म. कांबळे
५. लेखन कौशल्य व्यावहारिक भाषा	तासिका : ०४ प्रा. डॉ. मंगला म. कांबळे
६. साहित्य लेखन कौशल्य	तासिका : ०४ प्रा. डॉ. मंगला म. कांबळे
७. प्रात्यक्षिके व्यावहारिक	तासिका : ०३ प्रा. डॉ. मंगला म. कांबळे
८. प्रात्यक्षिके साहित्यिक	तासिका : ०३ प्रा. डॉ. मंगला म. कांबळे
९. समारोप	तासिका : ०१ डॉ. मंगला म. कांबळे

  
**Co-ordinator**  
**IQAC Committee**  
Annasaheb Magar Mahavidyalaya,  
Hadapsar, Pune-28.

  
मराठी विभाग प्रमुख  
अण्णासाहेब मगर महाविद्यालय  
हडपसर, पुणे-४११ ०२८.

  
**PRINCIPAL**  
Annasaheb Magar Mahavidyalaya  
Hadapsar, Pune - 411 028.

## Timetable

### Marathi Bhasha shuddhaLekhan ani LekhanKaushalye

### Vikas

### (Marathi Language Orthography and Hand writing Skills)

पुणे जिल्हा शिक्षण मंडळाचे  
अण्णासाहेब मगर महाविद्यालय, हडपसर, पुणे. २८  
मराठी विभाग,



प्रमाणपत्र अभ्यासक्रम २०२१-२२

कोर्सचे नाव : लेखन कौशल्य विकास

(एकूण ३० तासिका )

अ.नं.	दिनांक	प्राध्यापकाचे नाव	वेळ
१	२०/६/२०२२	डॉ. प्रवीण ससाणे	१०.०० ते १.००
		डॉ. नाना पवार	२.०० ते ५.००
२	२१/६/२०२२	डॉ. वंदना सोनवले	१०.०० ते १.००
		डॉ. नाना पवार	२.०० ते ५.००
३	२२/६/२०२२	डॉ. प्रवीण ससाणे	१०.०० ते १.००
		प्रा. अनिता गाडेकर	२.०० ते ५.००
४	२३/६/२०२२	डॉ. प्रवीण ससाणे	१०.०० ते १.००
		डॉ. वंदना सोनवले	२.०० ते ५.००
५	२४/६/२०२२	डॉ. नाना पवार	१२.०० ते १.००
		डॉ. वंदना सोनवले	२.०० ते ५.००
६	२५/६/२०२२	डॉ. वंदना सोनवले	८.०० ते १०.००
		प्रा. अनिता गाडेकर	१.०० ते २.००
		डॉ. प्रवीण ससाणे	४.०० ते ६.००

  
 मराठी विभाग प्रमुख  
 अण्णासाहेब मगर महाविद्यालय  
 हडपसर, पुणे-४११ ०२८.

Attendance (19)Marathi Bhasha shuddhaLekhan ani LekhanKaushalyeVikas(Marathi Language Orthography and Hand writing Skills)

P.D.E.A's

Annasaheb Magar Mahavidyalaya, Hadapsar, Pune – 28  
Department of Marathi Academic Year 2020-21  
Attendance Record



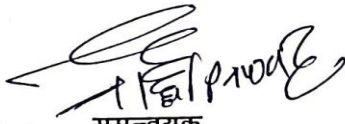
Class :- T.Y.B.A. Marathi

Course Name :- मराठी भाषा शुद्धलेखन आणि लेखन कौशल्यविकास : 2 Credit / 30 Lectures

प्रमाणपत्र अभ्यासक्रम कालावधी : २० ते २५ जून २०२२

वेळ : सकाळी १०.०० ते १.०० व दुपारी २.०० ते ५.००

Sr. No.	Name of the Student	२०/६/२२	२१/६/२२	२२/६/२२	२३/६/२२	२४/६/२२	२५/६/२२
1	DADAS DIPAK SHANKAR	Dadas	Dadas	Dadas	Dadas	Dadas	Dadas
2	HAKE PANDURANG SANJAY	Hake	Hake	Hake	Hake	Hake	Hake
3	CHABUKSWAR TUSHAR SAMADHAN	Chabukswar	Chabukswar	Chabukswar	Chabukswar	Chabukswar	Chabukswar
4	ITKAR GANESH WAMAN	Itkar	Itkar	Itkar	Itkar	Itkar	Itkar
5	DHOLE SUSHMA SADASHIV	Dhole	Dhole	Dhole	Dhole	Dhole	Dhole
6	SARUKTE ARUN SHIVRAM	Sarukte	Sarukte	Sarukte	Sarukte	Sarukte	Sarukte
7	GAMBHIRE SHYAMNATH VASANT	Gambhire	Gambhire	Gambhire	Gambhire	Gambhire	Gambhire
8	PAWAR SHREYAS RAJENDRA	Pawar	Pawar	Pawar	Pawar	Pawar	Pawar
9	MOHITE ATHARV SHANTARAM	Mohite	Mohite	Mohite	Mohite	Mohite	Mohite
10	LINGFODE SWATI SANTOSH	Lingfode	Lingfode	Lingfode	Lingfode	Lingfode	Lingfode
11	KUNJIR GANESH ROHIDAS	Kunjir	Kunjir	Kunjir	Kunjir	Kunjir	Kunjir
12	SABLE LAKSHMI NARAYAN	Sable	Sable	Sable	Sable	Sable	Sable
13	TAUR RAJGURU BHARAT	Taur	Taur	Taur	Taur	Taur	Taur
14	MULANI ASHRAF ABBAS	Mulani	Mulani	Mulani	Mulani	Mulani	Mulani
15	GAIKWAD ATISH DAYANAND	Gaikwad	Gaikwad	Gaikwad	Gaikwad	Gaikwad	Gaikwad
16	SANGULE MOHINI BHARAT	Sangule	Sangule	Sangule	Sangule	Sangule	Sangule
17	SHITOLE RAVIRAJ YUVRAJ	Shitole	Shitole	Shitole	Shitole	Shitole	Shitole
18	KALE PRIYANKA PRAKASH	Kale	Kale	Kale	Kale	Kale	Kale
19	PAIGUDE RUSHIKESH DATTATRY	Paigude	Paigude	Paigude	Paigude	Paigude	Paigude
20	NIKE PRANAY BHIMRAO	Nike	Nike	Nike	Nike	Nike	Nike
21	UNDRE PRITI BHARAT	Undre	Undre	Undre	Undre	Undre	Undre
22	KALE VITTHAL NARAYAN	Kale	Kale	Kale	Kale	Kale	Kale
23							
24							
25							



समन्वयक

डॉ. नानासाहेब पवार



मराठी विभागप्रमुख

डॉ. प्रवीण ससाणे

मराठी विधान प्रमुख


अ. नानासाहेब पवार महाविद्यालय  
हडपसर, पुणे-४११०२८

# Question Paper

## Marathi Bhasha shuddhaLekhan ani LekhanKaushalye Vikas

### (Marathi Language Orthography and Hand writing Skills)

पुणे जिल्हा शिक्षण मंडळाचे  
अण्णासाहेब मगर महाविद्यालय हडपसर पुणे - २८  
मराठी विभाग  
प्रमाणपत्र कोर्स २०२१-२२  
मराठी भाषा शुद्धलेखन आणि भाषिक कौशल्ये  
परीक्षा



वेळ : १ तास गुण ३०

प्रश्न : खालीलपैकी कोणत्याही दहा प्रश्नांची उत्तरे लिहा. (प्रत्येकी ३ गुण )

१. ....हे चिन्ह अर्धविराम म्हणून वापरले जाते.
२. (:) या चिन्हास .....असे म्हणतात.
३. पारंपरिक / पारंपारिक यापैकी बरोबर शब्द कोणता?
४. '.....' एकेरी अवतरणाचा उपयोग संवाद/संदर्भ यापैकी कशासाठी करतात?
५. ....हे मराठीतील अर्धस्वर आहेत.
६. ि या चिन्हास .....म्हणतात.
७. क्रमाक / क्रोमांक यापैकी बरोबर शब्द कोणता?
८. पत्र लेखनातील मजकुराला .....म्हणतात.
९. विभक्तीचे एकूण प्रकार .....आहेत.
१०. शब्दापूर्वी .....प्रत्यय येतात.
११. शब्दानंतर .....प्रत्यय येतेत.
१२. वाचनाचे .....व .....हे दोन प्रकार आहेत.
१३. मराठीत एकूण व्यंजने .....इतकी आहेत.
१४. मराठी भाषेत नामांचे एकूण प्रकार .....आहेत.
१५. भाषांतराचे .....इतके एकूण प्रकार आहेत.

## Result Analysis

### Marathi Bhasha shuddhaLekhan ani LekhanKaushalye Vikas

### (Marathi Language Orthography and Hand writing Skills)

पुणे जिल्हा शिक्षण मंडळाचे  
अण्णासाहेब मगर महाविद्यालय हडपसर पुणे - २८

मराठी विभाग

प्रमाणपत्र कोर्स २०२१-२२

मराठी भाषा शुद्धलेखन आणि भाषिक कौशल्ये  
प्रमाणपत्र अभ्यासक्रमाचे निकाल विश्लेषण

एकूण विद्यार्थी	२२
एकूण परीक्षेला बसलेले विद्यार्थी	१९
एकूण पास विद्यार्थी	१९
एकूण टक्केवारी	१००%

मराठी विभाग प्रमुख  
अण्णासाहेब मगर महाविद्यालय  
हडपसर, पुणे - ४११ ०२८.

## Photographs

### Marathi Bhasha shuddhaLekhan ani LekhanKaushalye

### Vikas


### (Marathi Language Orthography and Hand writing Skills)



## Report

# Marathi Bhasha shuddhaLekhan ani LekhanKaushalye Vikas


## (Marathi Language Orthography and Hand writing Skills)




पुणे जिल्हा शिक्षण मंडळाचे  
 अण्णासाहेब मगर महाविद्यालय हडपसर पुणे 28  
 मराठी विभाग  
 मराठी प्रमाणपत्र अभ्यासक्रम (Writing Skill)  
 अहवाल (२०२१-२२) (Report – 2021-22 )

महाविद्यालयातील मराठी विभागाच्या बर्तीने कला, वाणिज्य, विज्ञान शाखेतील विद्यार्थ्यांसाठी 'लेखन कौशल्य विकास' या प्रमाणपत्र अभ्यासक्रमाचे आयोजन दि. २० ते २५ जून २०२२ या कालावधीत करण्यात आले होते. या प्रमाणपत्र अभ्यासक्रमासाठी १५ विद्यार्थी सहभागी झाले होते. या प्रमाणपत्र अभ्यासक्रमासाठी तज्ज्ञ मार्गदर्शक म्हणून मराठी विभागप्रमुख डॉ. प्रवीण ससाणे, डॉ. नानासाहेब पवार, प्रा. वंदना सोनवले, प्रा सागर कांबळे यांनी मार्गदर्शन केले. सदर विद्यार्थ्यांना लेखन कौशल्याविषयी निर्धारित अभ्यासक्रम व प्रात्यक्षिक पूर्ण केल्यानंतर मा. प्राचार्य डॉ. पंडित शेळके यांच्या हस्ते विद्यार्थ्यांना प्रमाणपत्र देण्यात आले.

सदर प्रमाणपत्र अभ्यासक्रमाचे समन्वयक म्हणून डॉ. नानासाहेब पवार यांनी या कोर्सचे नियोजन केले.



प्रमाणपत्र अभ्यासक्रम समन्वयक



मराठी विभाग प्रमुख





**Notice**  
**Communication Skills**  
**Timing: 5.00 to 7.00 PM: 2 Hours**  
**Per day 2 Hours**

**06/12/2021 to 23/12/2021 (16 days' x 2 hr. =32 hr.)**

 <p><b>PDEA</b> Pune District Education Association</p>	<p>Pune District Education Association's</p> <h2 style="color: red;">ANNASAHEB MAGAR MAHAVIDYALAYA</h2> <p>Hadapsar, Pune - 411 028 ☎ 020 - 2699 0376 Fax. : 020 - 2699 0353</p> <p>E-mail : plasma_amm@yahoo.co.in • Website : www.amc.pdeapune.org                  Affiliated to Savitribai Phule Pune University • Id No. : PU/PN/ASC/029/1971 • Jr.Coll.No. 11.15.005 (Mah.)                  • Re-Accredited by NAAC at 'A' Grade • Best College Award by Savitribai Phule Pune University</p>
<p>Managing Trustee</p>	<p>Outward No. : AMMH / _____ Date : 3/12/2021</p>
<p>President <b>Ajit Pawar</b></p> <p>Vice President <b>Rajendra Ghadge</b></p> <p>Hon. Secretary <b>Adv. Sandeep Kadam</b> Senate Member Savitribai Phule Pune University, Pune</p> <p>Treasurer <b>Adv. Mohanrao Deshmukh</b></p> <p>Dy. Secretary <b>L. M. Pawar</b></p> <p>Principal <b>Dr. Pandit Shelke</b></p>	<p style="text-align: center;">DEPARTMENT OF ENGLISH</p> <p style="text-align: center;"><b>CERTIFICATE COURSE IN COMMUNICATION SKILLS</b></p> <p style="text-align: center;"><b>3/12/2021</b></p> <p style="text-align: center;"><b>NOTICE</b></p> <p>All students of S.Y.B.SC(C.S) AND T.Y.B.SC.(C.S) are hereby informed that the English Department is organizing a Two-week Certificate Course in Communication Skills.</p> <p>The lectures will be held ONLINE between 5p.m. and 6 p.m. from 6 December 2021 .</p> <p>There is no FEE for this course.</p> <p>For any queries contact Dr. Khandewale W.S. HOD English Department</p> <p style="text-align: center;">Yours Truly,                    Dr. Khandewale W.S.                  (Course-Coordinator )                  And HOD Eng. Dept</p> <div style="text-align: center;">  </div> <p style="text-align: right;">                   Dr. Shelke P.N 3/12/21                  for PRINCIPAL                  Annasaheb Magar Mahavidyalaya                  Hadapsar, Pune-411028.             </p>

# Syllabus

## Communication Skills

**P.D.E.A'S**  
**ANNASAHEB MAGAR MAHAVIDYALAYA, HADAPSAR, PUNE-28**  
**SYLLABUS**

Sr. No.	Content	Lectures Allotted
1	<b>Module 1</b>	6 lectures
	A. Grammar – Model Auxiliaries, Tenses, Voice, Connectors.	
2	B. Introduction to Interview techniques	2 Lecture
3	C. Small Talk, Formal Introduction, Exchanging Pleasantries	6 Lectures
4	<b>Module 2</b>	
5	A. Types of Interviews	2 Lecture
6	B. Attitude and Efforts C. Body Language and Tone D. Closing the interview E. Research of the Interview	8 Lectures
	<b>Module 3</b>	
7	A. Mock Interviews -	
8	a. Phone Interviews	
9	b. Formal Interviews	
10	c. Behavioral Interviews	6 Lectures

*wsk*

**Head,  
Department of English,  
Annasaheb Magar Mahavidyalaya  
Hadapsar, Pune - 411 028.**



*Prinami SS*

**PRINCIPAL**  
Annasaheb Magar Mahavidyalaya  
Hadapsar, Pune-411028.

**Course outcome**  
**Communication Skills**

**PDEA's**

**Annasaheb Magar Mahavidyalaya, Hadapsar, Pune28.**

**Department of English**

**Certificate course 2021-22**

**COMMUNICATION SKILLS**

**Course Outcome**

1. Will be able to prepare well for the interviews
2. Will be able to perform well in the interview
3. Will be able to conduct interviews
4. Will be able to develop a positive personality

*wsk*

**Head,  
Department of English,  
Annasaheb Magar Mahavidyalaya  
Hadapsar, Pune - 411 028.**



*P*  
*Ami S*

**PRINCIPAL**  
Annasaheb Magar Mahavidyalaya  
Hadapsar, Pune-411028.

## Time table (16days x2 hr. =32 hr.)

### Communication Skills

P.D.E.A'S

ANNASAHEB MAGAR MAHAVIDYALAYA, HADAPSAR, PUNE-28

TIME TABLE FOR COMMUNICATION SKILLS - 2021-22

Sr. No.	Date	Timing
1	06/12/2021	5.00 pm to 7.00 pm
2	07/12/2021	5.00 pm to 7.00 pm
3	08/12/2021	5.00 pm to 7.00 pm
4	09/12/2021	5.00 pm to 7.00 pm
5	10/12/2021	5.00 pm to 7.00 pm
6	11/12/2021	5.00 pm to 7.00 pm
7	12/12/2021	5.00 pm to 7.00 pm
8	13/12/2021	5.00 pm to 7.00 pm
9	14/12/2021	5.00 pm to 7.00 pm
10	15/12/2021	5.00 pm to 7.00 pm
11	16/12/2021	5.00 pm to 7.00 pm
12	17/12/2021	5.00 pm to 7.00 pm
13	18/12/2021	5.00 pm to 7.00 pm
14	21/12/2021	5.00 pm to 7.00 pm
15	22/12/2021	5.00 pm to 7.00 pm
16	23/12/2021	5.00 pm to 7.00 pm

*wsk*

**Head,  
Department of English,  
Annasaheb Magar Mahavidyalaya  
Hadapsar, Pune - 411 028.**



*P*  
PRINCIPAL  
Annasaheb Magar Mahavidyalaya  
Hadapsar, Pune-411028.

# Question Paper

## Communication Skills

**PDEA's Annasaheb Magar Mahavidyalay Hadapsar Pune**



**Department of English**

**Certificate Course in Communication Skills in Spoken English (2021-2022)**

**Oral Examination**

**Time: 10 Minutes**

**Max Marks: 20**

**1. Presentation and Group Discussion on the Following Topics**

- I Preparation for Giving Interview
- II Preparation for Conducting Interview
- III Telephone Interview
- IV Importance of Grooming in Interview Technique
- V Language and Interview

# Result Analysis

## Communication Skills

PDEA's Annasaheb Magar Mahavidyalay Hadapsar Pune

Department of English

Academic Year 2021-2022



Result Analysis for  
Certificate Course

In

Communication Skills

Total No of Students Enrolled	216
Total No of Students Appeared	216
Total No of Students Passed	216
Pass Percentage	100

*wsk*

Signature

Course Coordinator

Certificate Course in Conversational English

# Report

## Communication skills

Two Week Certificate Course on

**“Communication Skills”**

6<sup>th</sup> December to 23<sup>rd</sup> December, 2021

*Organized by*

**English Department**

**Pune District Education Association’s**

**Annasaheb Magar Mahavidyalaya, Hadapsar, Pune,**

**Maharashtra – 411028, India**



### **Course Report**

A TWO WEEK (15 days) Certificate Course in Communication Skills was conducted by English Department for the students of SYBSC (CS) and TYBSC (CS) from 6 December to 26 December.

216 responses were received.

The course included

1. English Grammar,
2. Interview skills and
3. Mock interviews.
4. Tests were also conducted after the course completion.

Ms. Pallavi Lakhe and Ms. Aakanksha Chopde were the teaching faculty (from Fergusson College) for the program.

#### Course Description

This is a carefully designed program to polish the learner’s Interview skills and avail a positive attitude while imbibing soft skills (Interview Techniques) essential for professional life. The program’s main objective is to provide maximum practice and feedback for error rectification for optimal improvement.

#### Objective

1. Step-by-Step process to Success in Interview
2. Developed from the ground with the focus on the quality
3. To persist the optimistic attitude.
4. Practical Experience of Interviews.

# Report

## Communication skills

### Module 1

- A. Grammar – Model Auxiliaries, Tenses, Voice, Connectors.  
(3 lectures)
- B. Introduction to Interview techniques (1 Lecture)
- C. Small Talk, Formal Introduction, Exchanging Pleasantries (3 Lectures)

### Module 2

- A. Types of Interviews (1 Lecture)
- B. Attitude and Efforts
- C. Body Language and Tone
- D. Closing the interview (4 Lectures)
- E. Research of the Interview

### Module 3

- A. Mock Interviews – Phone Interviews, Formal Interviews, Behavioral Interviews (3 Lectures)

### Outcome

By the end of this course, learner will be available to confidently give an interview. And will be in a position to answer all the question asked during the interview. A confident, Optimistic and a well-established Individual absolutely ready for professional interviews in their life.

*wsk*  
**Head,  
Department of English,  
Annasaheb Magar Mahavidyalaya  
Hadapsar, Pune - 411 028.**



*P*  
*Prin*  
**PRINCIPAL  
Annasaheb Magar Mahavidyalaya  
Hadapsar, Pune-411028.**





## Notice Gender and Culture

**Timing: 8.00 to 11.00 AM: 3 Hours**

**Per day 2 Hours**

**04/07/2022 to 14/07/2022 (10days' x 3 hr.= 30 hr.)**

पुणे जिल्हा शिक्षण मंडळाचे,  
अण्णासाहेब मगर महाविद्यालय. हडपसर, पुणे  
राज्यशास्त्र विभाग  
2021-2022



दिनांक 21 जून 2022

राज्यशास्त्र विभागातील TYBA च्या विशेष स्तरातील ( Special Level) सर्व विद्यार्थ्यांना सूचित करण्यात येते की, सावित्रीबाई फुले पुणे विद्यापीठाच्या सूचनेनुसार आपण सर्व विद्यार्थ्यांसाठी दि. 4 जुलै ते 14 जुलै या कालावधीत Gender And Culture या विषयांतर्गत Credit Course (Two Credits ) चे आयोजन करण्यात आले आहे. हा Course करणे सर्वांसाठी बंधनकारक आहे . सदर कोर्ससाठी सर्वांची उपस्थिती अनिवार्य आहे, याची नोंद घ्यावी.

**Head**

Asst. Professor and HEAD  
Department of Political Science  
P.D.E.A'S Annasaheb Magar Mahavidyalaya,  
Hadapsar, Pune-28.

## Notice

### Gender and Culture



#### लिंगभाव आणि संस्कृती प्रमाणपत्र कोर्स

दि. १५ जुलै २०२२

सावित्रीबाई फुले पुणे विद्यापीठाच्या मान्यतेनुसार राज्यातील विभागांच्या वतीने टी.बाय.बी.ए राज्यातील आणि मान्यशास्त्र या विभागातील विद्यार्थ्यांसाठी दि. ४ जुलै २०२२ ते १४ जुलै २०२२ या कालावधीमध्ये Gender And Culture या विषयांतील Certificate Course (Two Credits) चे आयोजन करण्यात आले होते. सदर कोर्सला दोन्ही विभागातील ३९ विद्यार्थी उपस्थित होते. विद्यार्थ्यांमध्ये लिंगभाव संवेदनशीलता वाढीस लागणे, लिंगभावाधारित समाजाच्या चिकित्साक अभ्यासात विद्यार्थ्यांना प्रवृत्त करणे, विद्यार्थ्यांना लैंगिक समतेचे महत्त्व पटवून देणे अशा विविध हेतुपूर्वीच्या दृष्टीकोनातून वरील कार्यक्रम घेण्यात आला. या १० दिवसांच्या कोर्स अंतर्गत राज्यातील विभागातील प्राध्यापकांनी विद्यार्थ्यांना मार्गदर्शन केले .

Head

Asst. Professor and HEAD  
Department of Political Science  
P.D.E.A'S Annasaheb Magar Mahavidyalaya  
Hadapsar, Pune-28.

# Syllabus

## Gender and Culture



Certificate Course  
Proposed By  
**Annasaheb Magar Mahavidyalaya, Hadapsar, Pune - 411028**  
Under  
Faculty of Humanities And Social Sciences  
Department of Political Science

Certificate Course in Gender and Culture (2021 – 2022)

### SYLLABUS STRUCTURE, RULES AND REGULATIONS

#### 1. Preamble -

One reason why most people refuse to participate in discussions on gender studies is because they understand gender as something that concerns women only. Therefore, as a student and teacher, we feel that the first step is to clarify that gender studies involves the study of both men and women. Gender, it has to be understood, is about a certain performance of identity, and gendered roles and norms are intrinsically woven into and practiced in our daily lives. Society has fixed standards and rules to validate both masculine and feminine identities. We are expected to perform these individual roles and reproduce the very conditions that perpetuate it. Starting with the clothes we wear, the spaces we occupy, the jobs we do, and the languages we speak, everything is gendered. This encoding of our daily life and habits directly impacts our socio-cultural and economic status in society. Gender studies, therefore, is a study of production, reproduction, and resistance to norms that produce inequality between men and women. Only after this definition of gender studies is established proper dialogue is possible. Ironically, however, even though people practice gender in their everyday lives they feel awkward talking about it. This mindset poses unprecedented problems in the classroom. Therefore, in class discussions we strive to initiate students into thinking about gender as performative practices encoded since the moment of birth, or even prior to birth, through social, religious, and cultural institutions and texts.

#### 2. Objectives of Course:

- 1) To Build theoretical and issue based understanding of different sites of development in India, specifically from the gender lens
- 2) To Introduce participants to gender perspective, specifically to the sector of gender and development so as to enable them study/ work in this field further
- 3) To Introduce students to writing research/ field report

## Syllabus

### Gender and Culture



3. Duration of the Course: -30 hours

4. Eligibility Criteria: -HSC Pass

5. Common Course Structure and Credit Distributions

Course Code	Name of the Course	Theory/Practical	Contact hours	Credits
	Gender & culture	TH	25	2
		PR	05	

6. Examination: At the end of the course examination will be conducted as per SPPU guideline

7. Grading System

Letter Grade	Points	Marks obtained
O(Outstanding)	10	80-100
A+ (Excellent)	9	70-79
A (Very good)	8	60-69
B+ (Good)	7	55-59
B (Above Average)	6	50-54
C (Average)	5	46-49
P (Pass)	4	40-45
F (Fail)	0	0-39
Ab(Absent)	0	0

8. Syllabus-

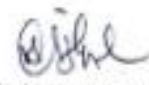
Sr. No	Topic	Sub Topics	Teaching Hours
1	Development: Gender Critiques	What is development?/ What is gender?	2
		Connecting, extending, reversing: Development from gender perspective	1
		Interrogating development: Gender, caste and class	2

## Syllabus

### Gender and Culture

2	Indian Nation- State, Development and Gender Basic concepts in women's studies: Emergence and development	Sex/ gender	2
		Patriarchy	2
		Building critical vocabulary	1
3	Caste, class and community: Feminist debates	Gender, class , caste and brahmanical/ graded patriarchy	1
		Intersectionality : Gender, community and multiple/ overlapping patriarchies	2
		From object of welfare to subject of state: Mapping various policies and Programmes	2
4	Struggles and Resistance for Change	Breaking the barriers: Reviewing struggles since independence	3
		From march to online campaigns : New ways of organizing and resistance	2
5	Studying Cultural Practices: Ways of seeing	Cinema, television , Literature and Performance	3
		Social media	2
6	Untangling contemporary cases/issues: Gender, culture and politics	Any three or four debates from the following or more: Sati, Beauty contests,	3
		Muslim woman question, Dance bar ban, Surrogacy, Sex selection	2

  
Course Coordinator - Nitin Lagad

  
HOD - Rahul Narangalkar

**Head**

Asst. Professor and HEAD  
Department of Political Science  
P.J.E.A'S Annasaheb Magar Mahavidyalaya,  
Hadapsar, Pune-28.

  
IQAC Co ordinator - Dr. R.P. Joshi



  
Principal - Dr. Pandit Shelke

## Course Outcome


### Gender and Culture



**PDEA'S**  
**Annasahen Magar Mahavidhyalaya, Hadapsar, Pune – 28**  
**Department of Political Science**  
**Certificate Course on Gender and Culture**  
**Course Outcome – 2021-22**

Sr.No	Course Outcome
CO.1	Student able to understand Gender as a social construct
CO.2	Student Able to Understand Society, social Culture and Gender issues
CO.3	Student able to understand human Interaction, social and political system using a gender lens
CO.4	Student able to understand key Gender issues and Debates

  
 Course Coordinator

  
**Head**  
 HOD,  
 Asst. Professor and HEAD  
 Department of Political Science  
 P.D.E.A'S Annasaheb Magar Mahavidyalaya  
 Hadapsar, Pune-28.

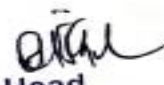
# Time-Table

## Gender and Culture



### Timetable Gender And Culture

Sr. No	Date	Lecture Mode	Time	Teachers Name
1	04/07/2022	Offline	8 am to 11 am	A.G.Jadhav
				S.S.Gaikwad
				A.G.Jadhav
2	05/07/2022	Offline	8 am to 11 am	A.G.Jadhav
				S.S.Gaikwad
				A.G.Jadhav
3	06/07/2022	Offline	8 am to 11 am	A.G.Jadhav
				S.S.Gaikwad
				A.G.Jadhav
4	07/07/2022	Offline	8 am to 11 am	A.G.Jadhav
				S.S.Gaikwad
				A.G.Jadhav
5	08/07/2022	Offline	8 am to 11 am	A.G.Jadhav
				N.R.Lagad
				A.G.Jadhav
6	09/07/2022	Offline	8 am to 11 am	A.G.Jadhav
				N.R.Lagad
				A.G.Jadhav
7	11/07/2022	Offline	8 am to 11 am	A.G.Jadhav
				N.R.Lagad
				A.G.Jadhav
8	12/07/2022	Offline	8 am to 11 am	A.G.Jadhav
				N.R.Lagad
				A.G.Jadhav
9	13/07/2022	Offline	8 am to 11 am	A.G.Jadhav
				N.R.Lagad
				A.G.Jadhav
10	14/07/2022	Offline	8 am to 11 am	A.G.Jadhav
				N.R.Lagad
				A.G.Jadhav

  
**Head**  
 Asst. Professor and HEAD  
 Department of Political Science  
 P.D.E.A'S Annasaheb Magar Mahavidyalaya  
 Hadapsar, Pune-28.



# Question Paper

## Gender and Culture

**PDEA'S**  
**Annasaheb Magar Mahavidyalay Hadapsar, Pune**  
**Department Of Political science**  
**Certificate Course Attendance**  
**Subject – Gender and Culture**  
**2021-22**



**Examination**

Time – 2 Hour Marks – 50  
 सर्व प्रश्न सोडवणे आवश्यक आहे . All questions must be solved.

**प्रश्न १ खालील पैकी कोणताही एक प्रश्न सोडवा**

**(Solve any one of the following questions ( 20 marks )**

1. लिंगभाव आणि संस्कृती शिक्षणाचे महत्व अधोरेखित करा .

(Highlight the importance of gender and culture education).

2. लिंगभाव आणि संस्कृतीवर सामाजिक उपकरणाचा प्रभाव कसा पडतो याचे टीकात्मक परीक्षण करा .

(Critically examine how social media influences gender and culture.)

**प्रश्न २. खालील पैकी कोणत्याही तीन टिपा लिहा .**

**(Write any three short notes from the following ( 30 marks )**

1. स्त्रीवाद (Feminism)

2. सरोगेसी (Surrogacy)


३. सती (sati)

४. महिलांचे प्रश्न (Women's issues)

# Result Analysis


## Gender and Culture

PDEA'S  
Annasaheb Magar Mahavidyalay Hadapsar, Pune  
Department Of Political science  
Certificate Course  
Subject – Gender and Culture  
2021-22



Result Analysis

Total No of Student Enrolled	41
Total No of Student Appeared	41
Total No of Student Passed	39
Pass Percentage	95.12

  
**Head**  
Asst. Professor and HEAD  
Department of Political Science  
P.D.E.A'S Annasaheb Magar Mahavidyalaya  
Hadapsar, Pune-28.

## Report Gender and Culture



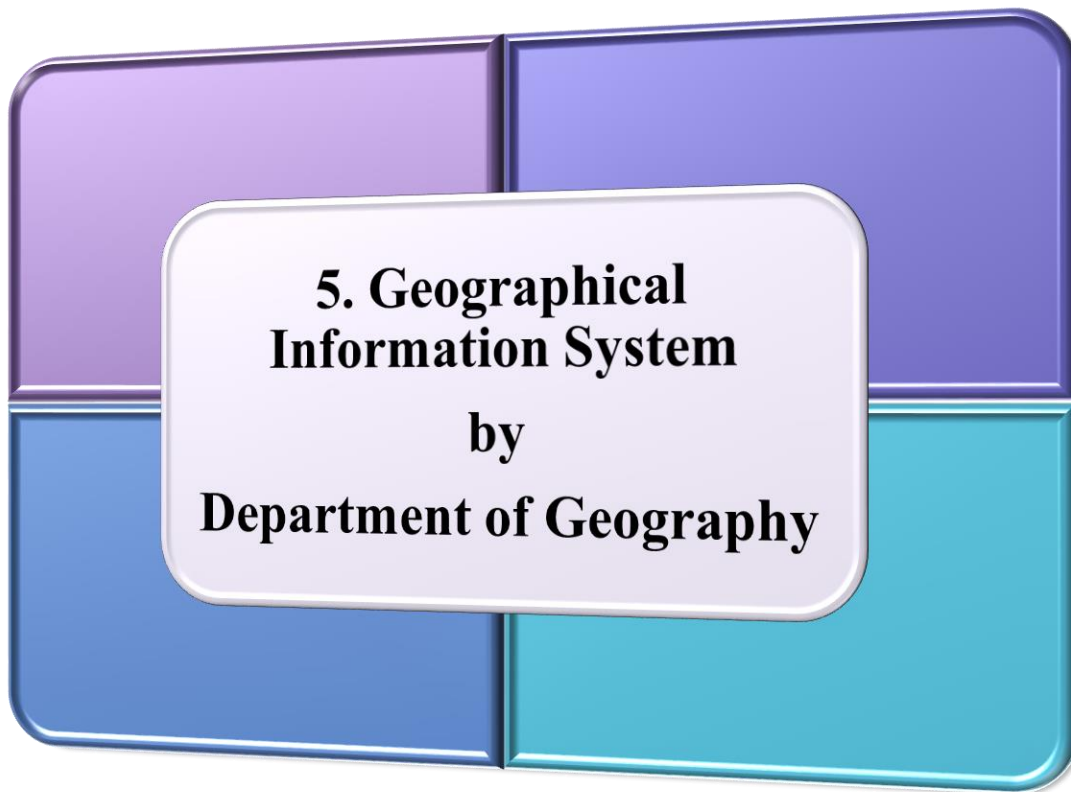
### लिंगभाव आणि संस्कृती प्रमाणपत्र कोर्स

दि. १५ जुलै २०२२

सावित्रीबाई फुले पुणे विद्यापीठाच्या मान्यतेनुसार राज्यशास्त्र विभागाच्या वतीने टी.वाय.बी.ए राज्यशास्त्र आणि मानसशास्त्र या विभागातील विद्यार्थ्यांसाठी दि. ४ जुलै २०२२ ते १४ जुलै २०२२ या कालावधीमध्ये Gender And Culture या विषयांतर्गत Certificate Course (Two Credits) चे आयोजन करण्यात आले होते. सदर कोर्सला दोन्ही विभागातील ३९ विद्यार्थी उपस्थित होते. विद्यार्थ्यांमध्ये लिंगभाव संवेदनशीलता वाढीस लागणे, लिंगभावाधारित समाजाच्या चिकित्सक अभ्यासास विद्यार्थ्यांना प्रवृत्त करणे, विद्यार्थ्यांना लैंगिक समतेचे महत्त्व पटवून देणे अश्या विविध हेतुपूर्तीच्या दृष्टीकोनातून वरील कार्यक्रम घेण्यात आला. या १० दिवसांच्या कोर्स अंतर्गत राज्यशास्त्र विभागातील प्राध्यापकांनी विद्यार्थ्यांना मार्गदर्शन केले .

  
Head

Asst. Professor and HEAD  
Department of Political Science  
P.D.E.A'S Annasaheb Magar Mahavidyalaya  
Hadapsar, Pune-28.



# Notice Geographical Information System

Timing: 11.00 AM to 2 PM: 3 Hours

Per day 3 Hours

**22/03/2022 to 01/04/2022 (10 days' x 3 hr. = 30 hr.)**

दि. 15 मार्च 2022

पुणे जिल्हा शिक्षण मंडळाचे,  
अण्णासाहेब मगर महाविद्यालय, हडपसर, पुणे.  
भूगोल विभाग  
2021-22  
Certificate Course in Geographical Information System

**विद्यार्थी सूचना**

भूगोल विभागातील पदवी व पदव्युत्तर विद्यार्थ्यांन्य सूचित करण्यात येते की शैक्षणिक वर्ष २०२१-२२ साठी भूगोल विभागातील विद्यार्थ्यांसाठी दि. २२ मार्च २०२२ ते १ एप्रिल २०२२ पर्यंत Basics in Geographical Information System या विषयासाठी Certificate Course आयोजित करण्यात आलेला आहे. सदर Certificate course भूगोल विभागातील सर्व विद्यार्थ्यांना अनिवार्य आहे. तरी सर्व विद्यार्थ्यांनी उपस्थित राहावे.

*अण्णासाहेब मगर*

**भूगोल विभाग प्रमुख**  
*Head*  
**GEOGRAPHY DEPARTMENT**  
A. M. College Hadapsar  
Pune-411 028

*P. Prasad*

**प्राचार्य**  
अण्णासाहेब मगर महाविद्यालय  
हडपसर, पुणे - ४११०२८

# Syllabus

## Geographical Information System

Certificate Course  
Proposed By  
Annasaheb Magar Mahavidyalaya, Hadapsar. Pune - 411028  
Under  
Faculty of Science and Technology  
Department of Geography



“GEOGRAPHICAL INFORMATION SYSTEMS” (2021 – 2022)

### SYLLABUS STRUCTURE, RULES AND REGULATIONS

#### 1. Preamble

GIS (geographic information system) is a technology that allows for the study of data relating to geographically distributed entities.

Natural resources, mining, telecommunications, utilities, groundwater assessment, river connecting, national agriculture Atlas, state/district level crop yield estimation, and other applications are progressively using RS and GIS. Environmental management strategies can also be monitored using RS and GIS to ensure compliance with global requirements.

The subject of geographic information systems (GIS) spans multiple fields, and the technology's interdisciplinary character distinguishes it from others. Geosciences, Biosciences, Life sciences, Environmental sciences, Physical sciences, Hydrology, Engineering applications, Rural and Urban planning, Land cover and land use, Agriculture, Soil mapping, Medical sciences, Information technology, Detailed mapping, Library Information systems, Wild-life habitat, Wet land mapping, Utilities (Telecommunications, Electrical, Hydro), Business Decisions, Facilities Mapping, Asset Managements, etc.

#### 2. Objectives of Course:

1. To expose students to the fundamental ideas of geographic information systems (GIS).
2. To familiarize students with the GIS Technique's usability and applications
3. To raise students awareness of geospatial technologies
4. To teach students how to make maps using the Geographic Information System (GIS)

3. Duration of the Course: - 30 hours

4. Eligibility Criteria: - HSC Pass

#### 5. Common Course Structure and Credit Distributions

Course Code	Name of the Course	Theory/Practical	Contact hours	Credits
	Geographical Information Systems	TH	15	2
		PR	15	

6. Examination: At the end of the course examination will be conducted as per SPPU guideline

# Syllabus

## Geographical Information System


### 7. Grading System



Letter Grade	Points	Marks obtained
O(Outstanding)	10	80-100
A+ (Excellent)	9	70-79
A (Very good)	8	60-69
B+ (Good)	7	55-59
B (Above Average)	6	50-54
C (Average)	5	46-49
P (Pass)	4	40-45
F (Fail)	0	0-39
Ab(Absent)	0	0

### 8. Syllabus-

Sr. No	Topic	Sub Topics	Teaching Hours
1	Introduction to GIS	Definition and Historical background	2
		Elements of GIS	1
		Components GIS	2
		Various Applications of GIS	2
		GIS Development	2
2	Data Types & Models	Data Types	2
		Data models	2
		Data Sources	2
3	Practical Training	Geo-referencing of Toposheet/Map	3
		Digitization of Point, Line & Polygon (at least one layer of each)	3
		Data Attachment	3
		Creation of Layout and Map	3
		Data Analysis	3

  
 Dr. Savita Kulkarni  
 Head  
 GEOGRAPHY DEPARTMENT  
 A. M. College Hadapsar,  
 Pune-411 028.

  
 Dr. Pandit Shelke  
 PRINCIPAL  
 Annasaheb Magar Mahavidyalaya  
 Hadapsar, Pune-411028.

## Course outcome

# Geographical Information System

PDEA's

Annasaheb Magar Mahavidyalaya Hadapsar Pune -28  
Department of Geography

Certificate Course on Geographical Information System  
Course Outcome  
2021-22



Name of the Department – B.A. Geography|

Name of the Subject – Geography

Name of the program: Certificate Course on Geographical Information System

After completing of course, students will be able to



Sr. No	CO Number	Content
1	CO1	Understand fundamental concepts and practices of Geographic Information Systems (GIS) and advances in Geospatial Information Science and Technology (GIS&T).
2	CO2	Understand organizational skills in file and database management
3	CO3	Demonstrate proficiency in the use of GIS tools to create maps that are fit-for-purpose and effectively convey the information they are intended to
4	CO4	Apply GIS analysis to address geospatial problems and/or research questions
5	CO4	Apply basic graphic and data visualization concepts such as color theory, symbolization, and use of white space.

  
Co-ordinator

  
Dr. Savita Kulkarni



# Time-Table

## Geographical Information System

दि. 15 मार्च 2022

पुणे जिल्हा शिक्षण मंडळाचे,  
अण्णासाहेब मगर महाविद्यालय, हडपसर, पुणे.

भूगोल विभाग

2021-22

Certificate Course in Geographical Information System

Time-Table

Sr.No.	Date	Lecturer	Time	
1	22/03/22	Prof. Vyawahare D.B.	11-12.30	Theory
			12.30-02	Practical
2	23/03/22	Prof. Nevaskar R.A.	11-12.30	Theory
			12.30-02	Practical
3	24/03/22	Prof. Vyawahare D.B.	11-12.30	Theory
			12.30-02	Practical
4	25/03/22	Prof. Nevaskar R.A.	11-12.30	Theory
			12.30-02	Practical
5	26/03/22	Prof. Vyawahare D.B.	11-12.30	Theory
			12.30-02	Practical
6	28/03/22	Prof. Nevaskar R.A.	11-12.30	Theory
			12.30-02	Practical
7	29/03/22	Prof. Vyawahare D.B.	11-12.30	Theory
			12.30-02	Practical
8	30/03/22	Prof. Nevaskar R.A.	11-12.30	Theory
			12.30-02	Practical
9	31/03/22	Prof. Vyawahare D.B.	11-12.30	Theory
			12.30-02	Practical
10	01/04/22	Prof. Nevaskar R.A.	11-12.30	Theory
			12.30-02	Exam.



Head  
GEOGRAPHY DEPARTMENT  
A. M. College Hadapsar,  
Pune-411 028.

*P. M. S.*

अण्णासाहेब मगर महाविद्यालय  
हडपसर, पुणे - ४११०२८.

# Question Paper

पुणे जिल्हा शिक्षण मंडळाचे,  
अण्णासाहेब मगर महाविद्यालय हडपसर  
भौगोलिक माहिती प्रणाली  
सर्टिफिकेट कोर्स



2021 22

वेळ दोन तास

एकूण गुण 50

.प्रश्न 1 खालील प्रश्नांची प्रत्येकी 20 शब्दात उत्तरे लिहा (कोणतेही पाच)

1. जीआय म्हणजे काय
2. हवाई छायाचित्रे म्हणजे काय
3. उपग्रह प्रतिमांची दोन वैशिष्ट्ये लिहा
4. जीआईचे दोन ॲप सांगा
5. जीआयएस मधील बिंदू रचना पद्धती पद्धतीने काय दाखविले जाते
6. जीआयएस मध्ये बहुभुजा कृतीने कोणते क्षेत्र काढले जाते

प्रश्न 2 खालील प्रश्नांची प्रत्येकी 50 शब्दात उत्तरे लिहा (कोणतेही चार) 20

1. सांख्यिकीय व माहिती यातील फरक स्पष्ट करा
2. जाळी प्रतिमा
3. जीआय चे मूलभूत घटक चार
4. स्वयंचलित अंकीय नोंदणीकरण
5. GIS चे उपयोग सांगा

प्रश्न 3 प्रत्येकी 150 शब्दात उत्तरे लिहा (कोणताही एक) वीस

1. सांख्यिकीय नोंदीच्या विविध पद्धतींचे वर्णन करा
2. जीआयचे विविध क्षेत्रातील योगदान सविस्तर स्पष्ट करा

## Result Analysis

**Annasaheb Magar College Hadapsar  
Certificate course  
Geographical Information System**



**Academic year 2021-22  
Result Analysis for certificate course  
Geographical Information System**

Total students enrolled		55
Total students appeared		55
Distinction	40 to 50 marks	09
I <sup>st</sup> class	30 to 40 marks	34
II <sup>nd</sup> class	15 to 30 marks	12
Failed	15 and less marks	NIL
Passing Result		100

A handwritten signature in blue ink, appearing to be "C. K. S.", with a horizontal line extending to the right.

Course Coordinator

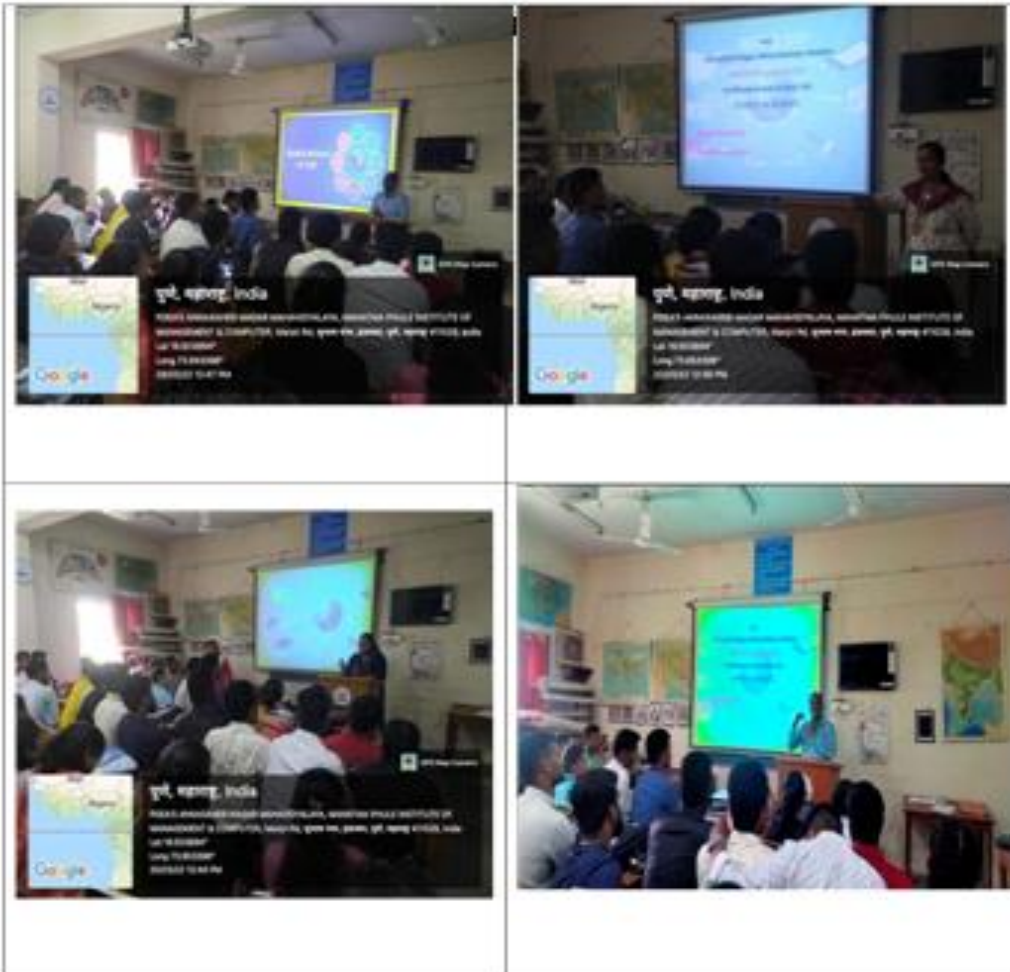
Certificate Course in

Geographical Information System

# Photographs

## Geographical Information System

पुणे जिल्हा शिक्षण मंडळ  
लाच, अण्णासाहेब मगर महावळ द्वारय, हडपसर,  
पुणे  
भूगोल  
वळभाग



## Report

### Geographical Information System



पुणे जिल्हा शिक्षण मंडळाचे,  
अण्णासाहेब मगर महाविद्यालय, हडपसर, पुणे.

भूगोल विभाग

2021-22

Certificate Course in Geographical Information System

अहवाल

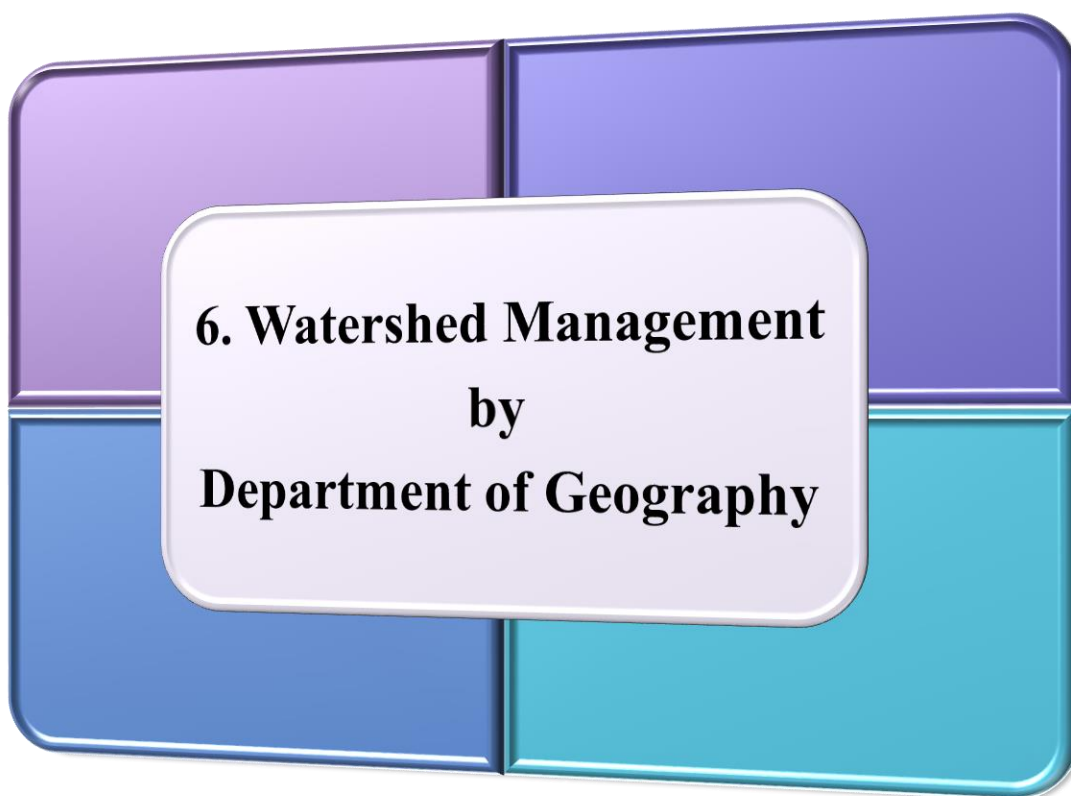
भूगोल विभागातील पदवी व पदवीत्तर विद्यार्थ्यांसाठी "भौगोलिक माहिती प्रणाली" या तंत्रज्ञानाची ओळख व्हावी तसेच या तंत्रज्ञानातील मूलभूत संकल्पना विद्यार्थ्यांना माहिती व्हाव्यात व या तंत्रज्ञानाचा वापर करून भविष्यात रोजगाराच्या संधी विद्यार्थ्यांना उपलब्ध व्हाव्यात या उद्देशाने दिनांक 23 मार्च 2022 ते 1 एप्रिल 2022 या कालावधीत एकूण 30 तासाचा (थेरी व प्रॅक्टिकल) सर्टिफिकेट कोर्स विद्यार्थ्यांसाठी राबविला गेला.

या सर्टिफिकेट कोर्समध्ये भौगोलिक माहिती प्रणाली या तंत्रज्ञानातील विविध विषयावर विद्यार्थ्यांना थेरी व प्रात्यक्षिकाची माहिती देण्यात आली. यासाठी भौगोलिक माहिती प्रणाली विषयातील तज्ज्ञ प्रा. धनाजी व्यवहारे व प्रा. रेवती नेवासकर यांनी विद्यार्थ्यांना मार्गदर्शन केले. सदर कोर्ससाठी एकूण 55 विद्यार्थ्यांनी सहभाग घेतला होता. कोर्सच्या शेवटी विद्यार्थ्यांचे मूल्यमापन करण्यासाठी त्यांची परीक्षा घेऊन यशस्वी विद्यार्थ्यांना प्रमाणपत्र देण्यात आले.

सदर कोर्स यशस्वी होण्यासाठी अण्णासाहेब मगर महाविद्यालयाचे प्राचार्य डॉ. पंडित शेळके सर भूगोल विभाग प्रमुख प्रा. डॉ. सविता कुलकर्णी व कोर्स समन्वयक प्रा. गणेश गांधीले यांचे मोलाचे सहकार्य लाभले.

कोर्स समन्वयक

भूगोल विभाग प्रमुख  
Head  
GEOGRAPHY DEPARTMENT  
A. M. College Hadapsar  
Pune-411 028



**6. Watershed Management  
by  
Department of Geography**

**Notice**  
**Watershed Management**

**Timing: 11.00 AM to 2 PM: 3 Hours**

**Per day 3 Hours**

**02/05/2022 to 13/05/2022 (10 days x 3 hr = 30 hrs)**

दि. 20 एप्रिल 2022

पुणे जिल्हा शिक्षण मंडळाचे,  
अण्णासाहेब मगर महाविद्यालय, हडपसर, पुणे,  
भूगोल विभाग  
2021-22  
Add-on-Course  
Watershed Management  
विद्यार्थी सूचना



भूगोल विभागातील वरवी व पर्याप्तपणे विद्यार्थ्यांना सुचित करण्यात येते की शैक्षणिक वर्ष 2021-22 मध्ये भूगोल विभागातील विद्यार्थ्यांसाठी दि. 02 ते 13 मे 2022 पर्यंत Watershed Management या विषयासाठी Add-on-Course उपलब्ध करण्यात आले आहे. या Add-on-Course भूगोल विभागातील सर्व विद्यार्थ्यांना उपलब्ध आहे. जी सर्व विद्यार्थ्यांनी उपस्थित राहणे.

  
प्रतिक  
अण्णासाहेब मगर महाविद्यालय  
हडपसर, पुणे - 411011.

  
भूगोल विभाग धनुष  
A. M. College  
GEOGRAPHY DEPARTMENT  
A. M. College Hadapsar  
Pune-411011

# Syllabus

## Watershed Management



**Certificate Course**  
**Proposed By**  
**Annasaheb Magar Mahavidyalaya Hadapsar, Pune 28**  
**Under**  
**Faculty of Science and Technology**  
**Department of Geography**

**Watershed Management (2021-22)**

### Syllabus Structure, Rules and Regulations

**1.Preamble :** Watershed Development Programmes have been accorded high priority in India's development plans. These programmes have been initiated in India to improve and sustain productivity and the production potential of the dry and semi arid regions of the country through the adoption of appropriate production and conservation techniques. The WDP approach seeks to improve and develop all types of lands-government, forest, community and private lands- that fall within a particular watershed.

#### **2. Objectives of Course :**

Upon completion of this program, participants will gain essential knowledge about watershed ecology, relation of communities with their watershed and soil-water association. Participants will be able to identify water stresses, learn techniques of watershed management and monitoring. The program makes use of class room sessions, case studies and site visits.

**3. Duration of the Course:** - 30 hours

**4. Eligibility Criteria:** - HSC Pass

#### **5. Common Course Structure and Credit Distributions**

Course Code	Name of the Course	Theory/Practical	Contact hours	Credits
	Watershed Mangement	TH	25	2
		PR	05	

**6. Examination:** At the end of the course examination will be conducted as per SPPU guideline



# Syllabus

## Watershed Management


### 7. Grading System



Letter Grade	Points	Marks obtained
O(Outstanding)	10	80-100
A+ (Excellent)	9	70-79
A (Very good)	8	60-69
B+ (Good)	7	55-59
B (Above Average)	6	50-54
C (Average)	5	46-49
P (Pass)	4	40-45
F (Fail)	0	0-39
Ab(Absent)	0	0

### 8. Syllabus

Sr.	Title	Hours
1	Introduction	1
2	Soil-water relation	2
3	Soil Erosion : Causes and effects	2
4	Drought and its management	2
5	Water footprint and virtual water flows	2
6	Factors affecting watershed management	2
7	Water-watershed, community and ecology	2
8	Practices in Watershed planning	2
9	Survey techniques and parameters	2
10	Water budget	2
11	models of watershed management	2
12	Water conservation and efficiency	2
13	Field Visit – demonstration of ridge to valley approach, transect walk,	5
	<b>Total hours</b>	<b>30</b>

  
 Dr. Savita Kulkarni  
 Head  
 GEOGRAPHY DEPARTMENT  
 A. M. College Hadapsar,  
 Pune-411 028.

  
 Dr. Pandit Shelke  
 PRINCIPAL  
 Annasaheb Magar Mahavidyalaya  
 Hadapsar, Pune-411028.

# Course outcome

## Watershed Management

PDEA's  
Annasaheb Magar Mahavidyalaya Hadapsar Pune -28  
Department of Geography  
Watershed Management

Course Outcome  
2021-22



CO-1. Understand the impact of land use changes on various hydrological cycle parameters and soil erosion

CO 2. Remember the concepts of watershed management and its effect on land water and ecosystem

CO3. Apply knowledge in developing controls and mitigation techniques for watershed problems.

CO4. Understanding for choosing suitable soil and water conservation techniques to control soil erosion.

  
Dr. Savita Kulkarni

# Time-Table

## Watershed Management

पुणे जिल्हा शिक्षण मंडळाचे,  
अण्णासाहेब मगर महाविद्यालय, हडपसर, पुणे.

भूगोल विभाग

2021-22

Add-on-Course  
Watershed Management

Time-Table



Sr.No.	Date	Lecturer	Time
1	2/05/22	Dr. Kulkarni S.S.	11.00 to 12.00 Theory
		Prof. Gandhile G.D.	12.00 to 1.00 Theory
		Prof. Gaikwad S.S.	1.00 to 2.00 Theory
2	4/05/22	Dr. Kulkarni S.S.	11.00 to 12.00 Theory
		Prof. Gandhile G.D.	12.00 to 1.00 Theory
		Prof. Gaikwad S.S.	1.00 to 2.00 Theory
3	5/05/22	Dr. Kulkarni S.S.	11.00 to 12.00 Theory
		Prof. Gandhile G.D.	12.00 to 1.00 Theory
		Prof. Gaikwad S.S.	1.00 to 2.00 Theory
4	6/05/22	Dr. Kulkarni S.S.	11.00 to 12.00 Theory
		Prof. Gandhile G.D.	12.00 to 1.00 Theory
		Prof. Gaikwad S.S.	1.00 to 2.00 Theory
5	7/05/22	Dr. Kulkarni S.S.	11.00 to 12.00 Theory
		Prof. Gandhile G.D.	12.00 to 1.00 Theory
		Prof. Gaikwad S.S.	1.00 to 2.00 Theory
6	9/05/22	Dr. Kulkarni S.S.	11.00 to 12.00 Theory
		Prof. Gandhile G.D.	12.00 to 1.00 Theory
		Prof. Gaikwad S.S.	1.00 to 2.00 Theory
7	10/05/22	Dr. Kulkarni S.S.	11.00 to 12.00 Theory
		Prof. Gandhile G.D.	12.00 to 1.00 Theory
		Prof. Gaikwad S.S.	1.00 to 2.00 Theory
8	11/05/22	Dr. Kulkarni S.S.	11.00 to 12.00 Theory
		Prof. Gandhile G.D.	12.00 to 1.00 Theory
		Prof. Gaikwad S.S.	1.00 to 2.00 Theory
9	12/05/22	Dr. Kulkarni S.S.	11.00 to 12.00 Practical
		Prof. Gandhile G.D.	12.00 to 1.00 Practical
		Prof. Gaikwad S.S.	1.00 to 2.00 Practical
10	13/05/22	Dr. Kulkarni S.S.	11.00 to 12.00 Practical
		Prof. Gandhile G.D.	12.00 to 1.00 Practical
		Prof. Gaikwad S.S.	1.00 to 2.00 Exam.

*S. S. Kulkarni*  
Head  
GEOGRAPHY DEPARTMENT  
A. M. College Hadapsar,  
Pune-411 028

*P. S. Kulkarni*  
प्राचार्य  
अण्णासाहेब मगर महाविद्यालय  
हडपसर, पुणे - ४११०२८.

# Question Paper

पुणे जिल्हा शिक्षण मंडळाचे  
अण्णासाहेब मगर महाविद्यालय, हडपसर आणि  
ग्रामगौरव प्रतिष्ठान, पाणी पंचायत  
यांच्या संयुक्त विद्यमाने  
पाणलोट व्यवस्थापन प्रशिक्षण जोड अभ्यासक्रम  
प्रश्नपत्रिका

वेळ<sup>1</sup> १ तासएकूण गुण<sup>1</sup> ५०दिनांक<sup>1</sup>विद्यार्थ्यांचे नाव<sup>1</sup> ..... वर्ग- .....

सुचना <sup>1</sup> सर्व प्रश्न सोडवणे आवश्यक .

प्रश्न १ . खालील प्रश्नांची एका वाक्यात उत्तरे लिहा . प्रत्येकी २ गुण

<sup>3</sup>एकूण गुण २०'

१ . जलसंधारण कामांचा उद्देश काय **AE**

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२ . सलग समपातळीची आखणी करण्यासाठी कोणते उपकरण वापरतात **AE**

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३ . पाऊस मोजण्याच्या उपकरणास काय म्हणतात **AE**

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४ . शेतामध्ये जलसंधारणासाठी कोणते उपाय केले जातात **AE**

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५ . जलसंधारणाचे सूत्र लिहा .

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# Question Paper



६. पाणीपंचायतची सुरुवात कोणी केली?  $\text{AE}$

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७. वॉटर फुटपिंट म्हणजे काय?  $\text{AE}$

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८. जास्त पाणी लागणाऱ्या पिकांची नावे लिहा .

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९. तुमच्या परिसरातील पाण्याची टंचाई असणाऱ्या गावांची नावे लिहा .

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१०. कमी पाण्यावर येणाऱ्या पिकांची नावे लिहा .

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पश्न २ थोडक्यात उत्तरेलिहा . प्रत्येकी ५ गुण  $\text{AE}$  एकूण गुण ३०

१. पाणलोटामध्ये जलसंधारणाची कोणकोणती कामे केली जातात?  $\text{AE}$

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२. सततच्या निर्माण होणाऱ्या दुष्काळी परिस्थितीची कारणे लिहा .

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# Question Paper

३. गावातील पाण्याचा ताळेवंद 'वॉटर बजेट' करताना कोणती माहिती आवश्यक असते. **AE**सिसेच पाण्याचा ताळेवंद करण्याचे कारण सांगा.



४. गावातील उपलब्ध पाण्याचे नियोजन करण्यासाठी काय उपाययोजना करायला हव्यात. **AE**

५. माणसाच्या बदललेल्या जिवनशैलीचे नदीच्या प्रदुषणावर होणारे परिणाम लिहा.

६. पाण्याचा प्रश्न सोडविण्यासाठी तुम्ही स्वतःच्या पातळीवर, कुटुंबाच्या पातळीवर आणि गावपातळीवर काय उपाययोजना करू शकता. **AE**

# Result Analysis



**P.D.E.A.s**  
**Annasaheb Magar College Hadapsar**  
**Add On Course**  
**Watershed Development Management**

**Academic year 2021-22**  
**Result Analysis for Add On Course**  
**Watershed Development Management**

Total students enrolled		55
Total students appeared		55
Distinction	40 to 50 marks	8
I <sup>st</sup> class	30 to 40 marks	20
II <sup>nd</sup> class	15 to 30 marks	06
Failed	15 and less marks	NIL
Passing Result		100

A handwritten signature in blue ink, appearing to be "W. K. J.", with a horizontal line extending to the right.

Course Coordinator

Add On Course in

Watershed Development Management

# Photographs

## Watershed Management

पणजे जिल्हा शल्यगमन  
लाच,अण्णासाहेब मगर महावळद्यालय, हठपसर,  
पणजे ये.  
भाऊोर  
वळभण





# Report

## Watershed Management

पुणे जिल्हा शिक्षण मंडळाचे,  
अण्णासाहेब मगर महाविद्यालय, हडपसर, पुणे.

**भूगोल विभाग**

**2021-22**

Add-on-Course  
Watershed Management

**अहवाल**



भूगोल विभागातील पदवी व पदवीत्तर विद्यार्थ्यांसाठी "Watershed Management" या विषयाची ओळख व्हावी तसेच या विषयाचीतील मूलभूत संकल्पना विद्यार्थ्यांना माहिती व्हाव्यात व या तंत्राचा वापर करून भविष्यात रोजगाराच्या संधी विद्यार्थ्यांना उपलब्ध व्हाव्यात या उद्देशाने दिनांक 2 मे 2022 ते 13 मे 2022 या कालावधीत एकूण 30 तासाचा (थेरी व प्रॅक्टिकल) अॅड-ऑन कोर्स विद्यार्थ्यांसाठी राबविला गेला.

या अॅड-ऑन कोर्समध्ये Watershed Management या तंत्रातील विविध विषयावर विद्यार्थ्यांना थेरी व प्रात्यक्षिकाची माहिती देण्यात आली. भूगोल विभाग प्रमुख प्रा.डॉ.सविता कुलकर्णी, प्रा.गणेश गांधिले व प्रा.शितल गायकवाड यांनी विद्यार्थ्यांना मार्गदर्शन केले. सदर कोर्ससाठी एकूण 55 विद्यार्थ्यांनी सहभाग घेतला होता. कोर्सच्या शेवटी विद्यार्थ्यांचे मूल्यमापन करण्यासाठी त्यांची परीक्षा घेऊन यशस्वी विद्यार्थ्यांना प्रमाणपत्र देण्यात आले.

सदर कोर्स यशस्वी होण्यासाठी अण्णासाहेब मगर महाविद्यालयाचे प्राचार्य डॉ. पंडित शेळके सर भूगोल विभाग प्रमुख प्रा. डॉ. सविता कुलकर्णी व कोर्स समन्वयक प्रा. गणेश गांधिले यांचे मोलाचे सहकार्य लाभले.

*S. S. Kulkarni*  
कोर्स समन्वयक

भूगोल विभाग प्रमुख  
*Head*  
**GEOGRAPHY DEPARTMENT**  
A. M. College Hadapsar,  
Pune-411 022



## Broacher

## GST E-Filing



**P.D.E.A.S**  
**Annasaheb Magar Mahavidyalaya,**  
**Hadapsar, Pune-28**  
**Department Of commerce and Research Center**  
**Certificate Course T.Y.B. Com (2019 Pattern)**  
**Academic Year (2021-22)**

### **“GST E- Filing”**

**Index**

**Date:- 10/01/2022 To 19/01/2022**


<b>Sr.No</b>	<b>Particulars</b>
1	Notice
2	Time table
3	Syllabus
4	Exam Notice
5	Exam Questions Paper
6	Students Certificates
7	Students Mark List
8	Students Attendance

## Notice GST-E-Filling


**Timing: 3 PM to 4.30 PM and 5 PM to 6.30 PM: 3 Hours**

**Per day 3 Hours**

**10/01/2022 to 19/01/2022 (10 days' x 3 hr.= 30 hrs.)**



PDEA's  
**Annasaheb Magar Mahavidyalaya**  
Hadapsar, Pune 411028

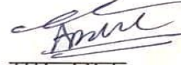


**DEPARTMENT OF COMMERCE & RESEARCH CENTRE**  
Certificate Course T.Y.B.Com (2019 Pattern)  
Academic Year (2021-22)  
**"GST E Filing"**  
**Timetable**  
**Duration 10/01/2022 to 19/01/2022**

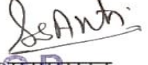
**Date :05/01/2022**

विद्यार्थ्यांसाठी सुचना


TYBCOM सर्व विद्यार्थ्यांना सुचित करण्यात येते की, सावित्रीबाई फुले पुणे विद्यापीठाच्या नियमानुसार Certificate Course अंतर्गत "GST E Filing" कोर्स घेणे बंधनकारक असून त्यासाठी २ Credit आहे. सदर कोर्स एकूण ३० लेक्चर घेवून त्याचे स्वतंत्र मुल्यमापन करणे गरजेचे आहे. त्यासाठी सर्व विद्यार्थ्यांची हजेरी आवश्यक राहिल.



समन्वयक




विभागप्रमुख  
Department of Commerce and  
Research Center  
Annasaheb Magar Mahavidyalaya  
Hadapsar, Pune-28





PRINCIPAL  
Annasaheb Magar Mahavidyalaya  
Hadapsar, Pune-411028.

## Syllabus

### GST E-Filing

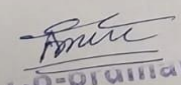


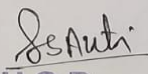
PDEA's  
**Annasaheb Magar Mahavidyalaya**  
Hadapsar, Pune 411028

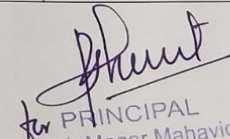



**DEPARTMENT OF COMMERCE & RESEARCH CENTRE**  
Certificate Course T.Y.B.Com (2019 Pattern)  
Academic Year (2021-22)  
**“GST E Filing”**  
Syllabus

Sr.No	Topics	Contents	Lectures	Name of lecture
1	Constitutional Background of GST Laws	Constitutional Background & Introduction of Goods & Service tax in India (CGST Act, 2017 & IGST Act, 2017)	05	Dr.A.M.Doke
2	Important definitions & concepts	Important definitions & concepts under CGST Act, 2017 Types of GST	05	Prof.G.D.shelar
3	Applicability & Registration Procedure	Applicability & Exemption under GST Registration procedure under GST	05	Prof. P.A.Kamathe
4	Administration of GST	Administration of GST & Role of GST Council	05	Dr.S.D.Waghmode
5	Introduction of IGST Act, 2017	Introduction & Applicability of IGST Act, 2017	05	Prof. Neha Salukhe
6	Maharashtra Profession Tax Act	Maharashtra State Tax on Professions, Trades, Callings and Employments Act, 1975. a) Purpose and scope of Maharashtra state profession tax Act b) Concepts and important definitions under Maharashtra state profession tax Act c) Levy of profession tax d) Registration under profession tax and tax on employees e) Payment and Returns under profession tax	05	Prof. V.H.Zende

  
**CO-ORDINATOR**

  
**H.O.D.**  
 Department of Commerce and  
 Research Center  
 Annasaheb Magar Mahavidyalaya  
 Hadapsar, Pune-28

  
**PRINCIPAL**  
 Annasaheb Magar Mahavidyalaya  
 Hadapsar, Pune-411028

## Course Outcome

### GST E-Filing



#### GST E-Filing

2021-22

#### Course Outcomes:

- CO 1. To enable the students to learn the concepts indirect tax and GST from the pre-GST period to post- GST period.
- CO2. To understand the importance of indirect taxes (GST) in the Indian and global economy and its contribution to the economic development.

#### Course Syllabus:

Sr. No	Topics	Contents
1	Constitutional Background of GST Laws	Constitutional Background & Introduction of Goods & Service tax in India (CGST Act, 2017 & IGST Act, 2017)
2	Important definitions & concepts	Important definitions & concepts under CGST Act, 2017 Types of GST
3	Applicability & Registration Procedure	Applicability & Exemption under GST Registration procedure under GST
4	Administration of GST	Administration of GST & Role of GST Council
5	Introduction of IGST Act, 2017	Introduction & Applicability of IGST Act, 2017
6	Maharashtra Profession Tax Act	Maharashtra State Tax on Professions, Trades, Callings and Employments Act, 1975. a) Purpose and scope of Maharashtra state profession tax Act b) Concepts and important definitions under Maharashtra state profession tax Act c) Levy of profession tax d) Registration under profession tax and tax on employees e) Payment and Returns under profession tax

*Banjari*  
**H.O.D.**  
Department of Commerce and  
Research Center  
Annasaheb Magar Mahavidyalaya  
Hadapsar, Pune-28

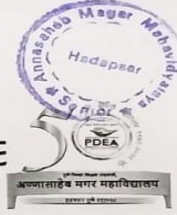
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PRINCIPAL  
Annasaheb Magar Mahavidyalaya  
Hadapsar, Pune-411028

# Time-Table

## GST E-Filing



PDEA's  
**Annasaheb Magar Mahavidyalaya**  
 Hadapsar, Pune 411028  
**DEPARTMENT OF COMMERCE & RESEARCH CENTRE**



Certificate Course T.Y.B.Com (2019 Pattern)  
 Academic Year (2022-23)

**"GST E Filing"**

**Timetable**

**Duration 10/01/2022 to 19/01/2022**

Sr. No.	Date	Divisions A+B+C Time:-11.00 To 12.30	Divisions A+B+C Time:-12.30 To 02.00
1	10/01/2022	Prof.Zende V.H.	Prof. Kamathe P.A.
2	11/01/2022	Prof.Zende V.H.	Prof. Kamathe P.A.
3	12/01/2022	Prof.Zende V.H.	Prof. Kamathe P.A.
4	13/01/2022	Prof. Neha Salukhe	Prof. Shelar G.D.
5	14/01/2022	Prof. Neha Salukhe	Prof. Shelar G.D.
6	15/01/2022	Prof. Neha Salukhe	Prof. Shelar G.D.
7	16/01/2022	Dr. Doke A.M.	Dr. S.D. Waghmode
8	17/01/2022	Dr. Doke A.M.	Dr. S.D. Waghmode
9	18/01/2022	Dr. Doke A.M.	Dr. S.D. Waghmode
10	19/01/2022	Dr. S.D. Waghmode	Dr. S.D. Waghmode
11	20/01/2022	Exam	Time:-08.00 To 09.00am




Course Coordinator

H.O.D.  
 Department of Commerce and  
 Research Center  
 Annasaheb Magar Mahavidyalaya  
 Hadapsar, Pune-28

Principal  
 Annasaheb Magar Mahavidyalaya  
 Hadapsar, Pune-411028

# Question Paper

## GST E-Filing

**Pune District Education Association's  
Annasaheb Magar College, Hadapsar Pune-411028  
Department of Commerce & Research Centre  
Certificate Course "GST E Filing"  
T.Y.B.Com (2019 Pattern) Academic Year (2021-22)**

**Time :- 08 To 09 am** **Marks :- 50**

---

**Exam Seat No:** \_\_\_\_\_

**Name Of Student: -** \_\_\_\_\_

1. What of the following taxes is applicable in the case of supply of goods from Gujarat to Assam?
  - a. CGST    B) SGST    C) UTGST    D) IGST
2. Which of the following taxes is applicable in the case of supply of services from Bihar to Rajasthan?
  - a. CGST    B) SGST    C) UTGST    D) IGST
3. Which of the following commodities is not kept outside the purview of GST?
  - a. High speed Diesel
  - b. Natural Gas
  - c. Supply of liquor for human consumption
  - d. Aviation turbine fuel
4. Which of the following taxes have been subsumed in GST?
  - d. Central Sales Tax
  - e. Central Excise Duty and Service Tax
  - f. Value Added Tax
  - E) All of Above
5. GST is levied on supply of all goods and services except?
  - b) Alcoholic liquor for human consumption    B) Tobacco    C) Legal services    D) All of the above
6. Who shall be empowered to levy and collect GST on supplies in the course of Interstate Transactions of trade or commerce?
  - a. Central Government
  - d) State Governments
  - e) Union Territories
  - f) All of the above
7. GST was implemented in India from
  - a. 1st January 2017    B) 1st April 2017    C) 1st March 2017    D) 1st July 2017
8. In India, the GST is a dual model of
  - a. UK    B) Canada    C) USA    D) Japan
9. GST is a consumption of goods and service tax based on
  - a. Development
  - b. Dividend
  - c. Destiny
  - d. Destination
10. India's GST structure are based on how many structures?
  - a. 6    B) 4    C) 3    D) 5
11. The maximum rate for CGST is?
  - a. 28    B) 12    C) 18    D) 20
12. The maximum rate for SGST/UTGST is?
  - a. 28    B) 14    C) 20    D) 30
13. The maximum rate for CGST/ITGST is?
  - a. 28    B) 14    C) 20    D) 30
14. Which code is used to classify goods and services under GST?
  - a. HSN Code
  - b. SAC/HSN Code
  - c. GST Code
  - d. SAC Code
15. What does -II in IGST stand for?
  - a. Internal



# Question Paper


## GST E-Filing



- b. Integrated  
c. Internal  
d. Intra
16. Liability to pay tax by the recipient of supply of goods or services is called  
a. Output tax B)Reverse charge C)Input tax D)None of these
17. The chair of GST Council  
a. Nominated by the Govt  
b. Nominated by the GST Council  
c. Union Finance Minister  
d. Elected by the GST council
18. In the GST council meetings , the vote of the Central Government shall have aweightage of  
a. 1/3 of votes cast  
b. 1/2 of votes cast  
c. 2/3 of votes cast  
d. None of these
19. In the GST council meetings votes of all the State Governments taken together shallhave a weightage of  
a. 1/3 of votes cast b  
b. 1/2 of votes cast  
c. 2/3 of votes cast  
d. None of these
20. Tax rate on goods under GST are determined by  
a. Union budget B)State budget C)GST council D)Central Govt in consultation with state Govt.
21. Integrated Goods and Services Tax Act is applicable to  
a. All the States  
b. All the Union territories  
c. The whole of India  
d. All the states except Jammu and Kashmir
22. Integrated GST is applicable on goods or services  
a. Imports  
b. Interstate Sale  
c. Exported from India  
d. Imports and interstate sales
23. The rate of IGST is equal to the rate of  
a. CGST  
b. SGST  
c. CGST plus the rate of SGST  
d. SGST plus UTGST
24. Goods and service tax is –  
a. Supply based  
b. Consumption based  
c. Both supply and consumption based  
d. None of these
25. Constitution Amendment Act, 2016 for GST was  
a. 80<sup>th</sup> B) 101<sup>st</sup> C)122<sup>nd</sup> D)None of these
26. The incidence of tax on tax is called  
a. Tax Cascading  
b. Tax Pyramidding  
c. Tax evasion  
d. Indirect tax
27. UTGST is applicable when  
a. Sold from Union territory  
b. Goods are purchased by Central Government  
c. Sold from one union territory to another union territory  
d. There is interstate supply
28. Integrated Goods and Services Tax is applicable when –  
a. Sold in Union territory  
b. Sold from one GST dealer to another GST dealer  
c. Sold within a state  
d. There is interstate supply

# Question Paper

## GST E-Filing



29. SGST is applicable when
  - a. Goods are sold within a state
  - b. Goods are sold from one GST dealer to a customer
  - c. Goods are sold by a GST dealer to another GST dealer
  - d. Interstate supply
30. The tax which was not merged into GST
  - a. Countervailing Duty
  - b. Excise duty
  - c. Basic Customs Duty
  - d. Purchase tax
31. After introduction of GST supplies to SEZ are
  - a. Subject to IGST
  - b. Subject to CGST plus SGST
  - c. Zero rated
  - d. SGST plus CGST plus IGST
32. Goods which get input tax credit without being liable to collect output tax is called
  - a. Exempt goods
  - b. White goods
  - c. Sin goods
  - d. Zero rated goods
33. GST can be collected by
  - a. Any registered dealer
  - b. Any GST dealer
  - c. Any service provider
  - d. Any dealer
34. Input tax credit on compensation cess paid under GST(Compensation to States ) Act ,2017
  - a. is not available
  - b. is available
  - c. is available but not fully
  - d. is available after one year
35. Input tax credit under GST(Compensation to States ) Act , 2017 includes GSTCompensation Cess charged on any supply of
  - a. goods and/or services,
  - b. Goods imported
  - c. GST Compensation Cess payable on reverse charge basis;
  - d. All of the above
36. Maximum rate of CGST prescribed by law for intrastate supply made is---
  - a) 18% B) 20% c) 40% d) 28%+cess
37. Input tax credit on Compensation cess paid under GST (Compensation to States) Act,2017 is available for payment of
  - a. IGST only
  - b. IGST and CGST only
  - c. compensation under GST (Compensation to States) Act
  - d. None of the above
38. IGST is payable when the supply is ---
  - a. Interstate B) Intra-state C)Intra- UT D)All of the above
39. Zero rated supply includes supplies made-
  - a. By SEZ unit in India
  - b. to SEZ unit in India
  - c. Both (a & (b above
  - d. None of the above
40. With the introduction of GST, imports will be—
  - a. more expensive
  - b. cheaper
  - c. neutral with no change
  - d. None of the above
41. Registration under GST is not compulsory to-
  - a. Casual taxable person
  - b. Input service distributor
  - c) Non-resident taxable person

# Question Paper




## GST E-Filing



- d) None of the above
42. Money means
- Indian legal tender
  - Foreign currency
  - Cheque/promissory note
  - All the above
43. Person includes
- Individual
  - HUF
  - LLP
  - All the above
44. Who is chairperson of GST council
- Finance secretary
  - State Finance Minister
  - Union Finance Minister
  - None of the above
45. IGST levy can be levied
- Centre
  - State
  - Union Territory
  - Both a and b
46. Transfer of the title in goods is a supply of
- Goods
  - Services
  - Both goods and services
  - None
47. Transfer of right in goods or of undivided share in goods \_without the transfer of title' is
- supply of Goods
  - supply of Services
  - supply of Both goods and services
  - None
48. Transfer of title in goods under an agreement which stipulates that property in goods shall pass at a future date upon payment of full consideration, is a supply of –
- Both goods and services
  - Services
  - Goods
  - None
49. Any treatment or process which is applied to another person's goods is a supply of
- Goods
  - Services
  - Both goods and services
  - None
50. Goods held or used for the purposes of the business are put to any private use or made available to any person for use, is a supply of
- Goods
  - Services
  - Both goods and services
  - None
  - son.

# Result Analysis

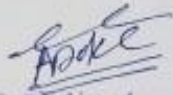
## GST E-Filing

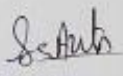
Pune District Education Association's  
Annasaheb Magar College, Hadapsar Pune-411028  
Department of Commerce & Research Centre  
Certificate Course "GST E Filing"  
T.Y.B.Com (2019 Pattern) Academic Year (2021-22)

### Result analysis

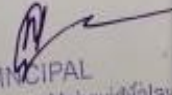
Total student enrolled		445
Total student Appeared		445
Distinction	40 to 50 marks	230
1 <sup>st</sup> class	35 to 39 marks	135
2 <sup>nd</sup> class	25 to 34marks	85
Failed	0 to 20 marks	Nil
Passing Result		100%



**Co-ordinator**



**H.O.D.**  
Department of Commerce and  
Research Center  
Annasaheb Magar Mahavidyalaya  
Hadapsar Pune-28



**PRINCIPAL**  
Annasaheb Magar Mahavidyalaya  
Hadapsar, Pune-411028

# Report

## GST E-Filing



पुणे जिल्हा शिक्षण मंडळाचे  
अण्णासाहेब मगर महाविद्यालय, हडपसर पुणे.२८  
T.Y. BCOM (CBCS-2019 pattern) 2021-22  
Certificate Course: GST E – Filing (30 Hours )  
SEM- V

Date : 20/01/2022

### विद्यार्थ्यांसाठी सुचना

TYBCOM (तृतीय वर्ष वाणिज्य) सर्व विद्यार्थ्यांसाठी सावित्रीबाई फुले पुणे विद्यापीठाच्या नियमानुसार Certificate Course अंतर्गत : GST E – Filing (SEM-V) कोर्स दिनांक १०.०१.२०२२ ते १९.०१.२०२२ घेण्यात आला सदर कोर्स ३० तासांचा होता. या कार्सचा उद्देश उत्पादन प्रक्रियेच्या प्रत्येक टप्प्यावर लागू केला जातो परंतु अंतिम ग्राहकाव्यतिरिक्त उत्पादनाच्या विविधा टप्प्यामध्ये तो गोळा केला जातो. या सर्व प्रक्रियेबाबत विद्यार्थ्यांना प्रत्यक्षिक ज्ञान दिले गेले.

अभ्यासक्रम शिकवून झाल्यानंतर विद्यार्थ्यांचे त्यासाठी स्वतंत्र मुल्यमापन करून विद्यार्थ्यांना 2 Credit दिले तसेच प्रत्येक विद्यार्थ्याला कार्स पूर्ण केल्याबद्दल प्रमाणपत्र दिले. या कार्स साठी एकूण ४४५ विद्यार्थ्यांनी सहभाग घेतला.

*S. S. Anur*

**H.O.D.**

Department of Commerce and  
Research Center  
Annasaheb Magar Mahavidyalaya  
Hadapsar, Pune-28



## Notice Value Education(Online)

**Timing: 12 PM to 2 PM: 2 Hours**  
**Per day 2 Hours**

**07/01/2022 to 25/01/2022 (25days' x 2 hr. = 50 hrs.)**

पुणे जिल्हा शिक्षण मंडळाचे  
अण्णासाहेब मगर महाविद्यालय, हडपसर पुणे.२८

F.Y.BCOM (CBCS-2019 pattern) 2021-22

Credit Course: Value Education  
SEM- I

Date :03/12/2021

विद्यार्थ्यांसाठी सुचना

FYBCOM (प्रथम वर्ष वाणिज्य) सर्व विद्यार्थ्यांना सुचित करण्यात येते की, सावित्रीबाई फुले पुणे विद्यापीठाच्या नियमानुसार Value added course अंतर्गत Value Education कोर्स घेणे बंधनकारक असून त्यासाठी 1 Credit आहे. सदर कोर्स एकूण ३० लेक्चर घेवून त्याचे स्वतंत्र मुल्यमापन करणे गरजेचे आहे. त्यासाठी सर्व विद्यार्थ्यांची हजेरी आवश्यक राहिल.

*Sayhanade*  
समन्वयक  
(डॉ. वाळमोडे एस.डी)

*SeAuth'*  
23/12/21  
विभागप्रमुख  
**H.O.D.**  
Department of Commerce and  
Research Centre  
Annasaheb Magar Mahavidyalaya  
Hadapsar, Pune

*P*  
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प्राचार्य  
**PRINCIPAL**  
Annasaheb Magar Mahavidyalaya  
Hadapsar, Pune-411028.

# Syllabus

## Value Education

### Course No. 5 – Value Education

#### Objectives of the course:

The course is designed to inculcate the values which are an utmost need of the hour to overcome various challenges. The students will learn to adopt and implement the suitable values at appropriate time, understand various challenges in value adoption in this contemporary world, use the 'Reflection method' to explore values from inside out.

The course is expected to acquaint students with the core values such as physical, mental and spiritual aspects of personality, developing respect for the dignity of individual and the society, inculcation of spirit of patriotism and national integrity and developing tolerance towards understanding of different religious faiths as well. The course will help students to be a better human being and a strong pillar of society.

#### Course Contents :-

##### 1. Values for excellence in life :

Developing Values, Personal Values, Family Values, Professional Values.

##### 2. Life Skills :

Motivational Skills, Communication Skills, Life style modification, Accessibility and Addiction, Environmental Awareness.

##### 3. Spiritual Education :

Different schools of meditation, exploring the self, universal concept of the supreme, changing the belief system, Self Esteem, Stress free living.

#### Methods of Instruction

- Lecture
- Class discussion
- Role plays
- Guest speakers
- Written assignments
- Videos

#### Certification :

The college needs to provide 'Course Completion Certificate' to every student who completes the course successfully. The certificate must contain the grade obtained by the student in the examination.

\*\*\*\*\*





# Course Outcome

# Value Education



## Value Education

2021-22

### Course Outcomes:

- CO 1. To understand and accept the importance of harmonious living in a diverse society.
- CO 2. To understand the need and importance for Value Based Living.

### Course Syllabus:

1. Values for excellence in life:  
Developing Values, Personal Values, Family Values, Professional Values.
2. Life Skills:  
Motivational Skills, Communication Skills, Life style modification, Accessibility and Addiction, Environmental Awareness.
3. Spiritual Education:  
Different schools of meditation, exploring the self, universal concept of the supreme, changing the belief system, Self Esteem, Stress free living.

H.O.D.

Department of Commerce and  
Research Center  
Annasaheb Magar Mahavidyalaya,  
Hadapsar, Pune-28

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Annasaheb Magar Mahavidyalaya  
Hadapsar, Pune-411028.

## Topic Allotted Notice

### Value Education



#### Topics allotted to the faculty as under

1. Prof. Shelar G.D. : Different School of meditation, Changing the Belief system
2. Prof. Zende V.H : Exploring the self, Life Style Modification, Esteem Value
3. Dr. Mane A.N. : Family Value, Holistic. Developing Value
4. Dr. Nikam S.S.. = Environment Awareness & Communication Skill
5. Dr. Satav G.P.= Personal Values, stress free living
6. Dr. Doke A.M.= Professional Value, Universal concept of the supreme
7. Dr. Waghamode. S.D. = Motivational Skill , Syllabus Discussion
8. Prof. Kamathe P.A.= Different School of meditation Accessibly & addiction

*Suryamode*  
Course Coordinator

श्री. सुर्यामोडे सुर्यामोडे एम.टी

*SsAut*  
23/12/21  
HOD

**H.O.D.**

Department of Commerce and  
Research Centre  
Annasaheb Magar Mahavidyalaya  
Hadapsar, Pune-28.

*P*  
*mmis*

Principal  
**PRINCIPAL**

Annasaheb Magar Mahavidyalaya  
Hadapsar, Pune-411028.

## Notice for Teachers

### Value Education



पुणे जिल्हा शिक्षण मंडळाचे  
अण्णासाहेब मगर महाविद्यालय  
हडपसर पुणे. २८

दिनांक: १२/०१/२०२२

#### प्राध्यापकांसाठी सुचना

प्रथम, द्वितीय व तृतीय वर्ष Credit Base Choice system वाणिज्य शाखेतील सर्व प्राध्यापकांना कळविण्यात येते की, सदर वर्गासाठीच्या सर्व संबंधित विषयांच्या Mid-Term End लेखी परिक्षा दि. २२/०१/२०२२ ते ०१/०२/२०२२ या कालावधीमध्ये होतील.

सदर परिक्षेसाठी दिलेल्या संबंधित प्राध्यापकांनी आपल्या प्रश्नपत्रिका २०/०१/२०२२ पर्यंत **Online Google Form** मध्ये जमा करावेत.

#### प्रश्नपत्रिका स्वरूप

##### १. Credit Base Choice system regular Term

MCQ pattern – 20 questions 1 mark = 20

Time: 40 Minutes

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12/01/2022

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12/01/2022  
Annasaheb Magar Mahavidyalaya,  
Hadapsar, Pune.

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PRINCIPAL  
Annasaheb Magar Mahavidyalaya  
Hadapsar, Pune-411028.

# Time-Table

## Value Education

**Annasaheb Magar Mahavidyalaya, Hadapsar, Pune 411028**  
 Department of Commerce & Research centre  
 Value Added Course F.Y.B.Com Sem I (2019 Pattern)  
 Academic Year (2021-22)  
**Value Education**  
**Timetable**



Time : 12.00 to 2.00 pm

Duration 07/ 01/2022 to 25 / 01 /2022

Sr. No.	Date	Divisions A+B	Divisions C	Divisions D+E
1	07/01/2022	Dr. Satav G.P.	Dr. Nikam S.S	Prof. Shelar G.D.
2	07/01/2022	Dr. Satav G.P.	Dr. Nikam S.S	Prof. Shelar G.D.
3	08/01/2022	Dr. Satav G.P.	Dr. Nikam S.S	Prof. Shelar G.D.
4	08/01/2022	Dr. Nikam S.S	Prof. Shelar G.D	Prof. Kamathe P.A.
5	10/01/2022	Dr. Nikam S.S	Prof. Shelar G.D	Prof. Kamathe P.A.
6	10/01/2022	Dr. Nikam S.S	Prof. Shelar G.D	Prof. Kamathe P.A.
7	11/01/2022	Prof. Shelar G.D.	Prof. Kamathe P.A.	Dr. Nikam S.S
8	11/01/2022	Prof. Shelar G.D.	Prof. Kamathe P.A.	Dr. Nikam S.S
9	12/01/2022	Prof. Shelar G.D.	Prof. Kamathe P.A.	Dr. Nikam S.S
10	12/01/2022	Prof. Kamathe P.A.	Dr. Satav G.P.	Dr. Mane N.A
11	13/01/2022	Prof. Kamathe P.A.	Dr. Satav G.P.	Dr. Mane N.A
12	13/01/2022	Prof. Kamathe P.A.	Dr. Satav G.P.	Dr. Mane N.A
13	15/01/2022	Dr. Mane N.A	Dr. Doke A.M	Dr. Satav G.P.
14	15/01/2022	Dr. Mane N.A	Dr. Doke A.M	Dr. Satav G.P.

# Time-Table

## Value Education

Annasaheb Magar Mahavidyalaya, Hadapsar, Pune 411028  
 Department of Commerce & Research centre  
 Value Added Course - F.Y.B.Com Sem 1 (2019 Pattern)  
 Academic Year (2021-22)  
**Value Education**  
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1	07/01/2022	Dr. Satav G.P.	Dr. Nikam S.S	Prof. Shelar G.D.
2	07/01/2022	Dr. Satav G.P.	Dr. Nikam S.S	Prof. Shelar G.D.
3	08/01/2022	Dr. Satav G.P.	Dr. Nikam S.S	Prof. Shelar G.D.
4	08/01/2022	Dr. Nikam S.S	Prof. Shelar G.D	Prof. Kamathe P.A.
5	10/01/2022	Dr. Nikam S.S	Prof. Shelar G.D	Prof. Kamathe P.A.
6	10/01/2022	Dr. Nikam S.S	Prof. Shelar G.D	Prof. Kamathe P.A.
7	11/01/2022	Prof. Shelar G.D.	Prof. Kamathe P.A.	Dr. Nikam S.S
8	11/01/2022	Prof. Shelar G.D.	Prof. Kamathe P.A.	Dr. Nikam S.S
9	12/01/2022	Prof. Shelar G.D.	Prof. Kamathe P.A.	Dr. Nikam S.S
10	12/01/2022	Prof. Kamathe P.A.	Dr. Satav G.P.	Dr. Mane N.A
11	13/01/2022	Prof. Kamathe P.A.	Dr. Satav G.P.	Dr. Mane N.A
12	13/01/2022	Prof. Kamathe P.A.	Dr. Satav G.P.	Dr. Mane N.A
13	15/01/2022	Dr. Mane N.A	Dr. Doke A.M	Dr. Satav G.P.
14	15/01/2022	Dr. Mane N.A	Dr. Doke A.M	Dr. Satav G.P.

## Time-Table

### Value Education

15	17/01/2022	Dr. Mane N.A	Dr. Doke A.M	Dr. Satav G.P.
16	17/01/2022	Dr. Waghmode S.D.	Dr. Mane N.A	Prof. Zende V.H.
17	18/01/2022	Dr. Waghmode S.D.	Dr. Mane N.A	Prof. Zende V.H.
18	18/01/2022	Dr. Waghmode S.D.	Dr. Mane N.A	Prof. Zende V.H.
19	19/01/2022	Prof. Zende V.H.	Dr. Waghmode S.D.	Dr. Doke A.M
20	19/01/2022	Prof. Zende V.H.	Dr. Waghmode S.D.	Dr. Doke A.M
21	20/01/2022	Prof. Zende V.H.	Dr. Waghmode S.D.	Dr. Doke A.M
22	20/01/2022	Dr. Doke A.M	Prof. Zende V.H.	Dr. Waghmode S.D.
23	21/01/2022	Dr. Doke A.M	Prof. Zende V.H.	Dr. Waghmode S.D.
24	21/01/2022	Dr. Doke A.M	Prof. Zende V.H.	Dr. Waghmode S.D.
25	22/01/2022	Dr. Nikam S.S	Prof. Zende V.H.	Dr. Doke A.M
26	22/01/2022	Prof. Shelar G.D.	Dr. Doke A.M	Prof. Zende V.H.
27	24/01/2022	Prof. Kamathe P.A.	Dr. Nikam S.S	Dr. Waghmode S.D.
28	24/01/2022	Dr. Doke A.M	Prof. Shelar G.D.	Dr. Nikam S.S
29	25/01/2022	Dr. Waghmode S.D.	Prof. Kamathe P.A	Prof. Shelar G.D.
30	25/01/2022	Prof. Zende V.H.	Dr. Waghmode S.D.	Prof. Kamathe P.A
		<b>Dr. Waghmode S.D.</b>	<b>Exam ( all Division )</b>	<b>11:00 am to 01:00 pm</b>

# Time-Table of Exam

## Value Education

POONA DISTRICT EDUCATION ASSOCIATION'S  
ANNASAHEB MAGAR MAHAVIDYALYA, HADAPSAR, PUNE -28



### TIME-TABLE-2022

#### Mid-Term End

Date	F.Y.Bcom (Sem I) Time: 8:00 to 8:40 am	S.Y.Bcom (Sem III) Time: 9:00 to 9:40am	T.Y.Bcom (Sem V) Time: 10:00 to 10:40am
22-01-2022	Financial Accounting	Business Communication	M-Law
24-01-2022	Business Economics	Corp A/C	Adv. Accounting
25-01-2022	English	Business Economics	international Eco
27-01-2022	Mathematics	Business Management	Auditing & Taxation
28-01-2022	Marathi /Hindi	C-law/ Tax-III	Cost II /BA II/ Tax V
29-01-2022	Marketing /CPBE/ Tax I	Costing I/BA I/Tax IV	Cost III/BA III /Tax VI
31-01-2022	OSD/Banking & Finance/ Tax-II	Environment Awareness	
01-02-2022	Value Education (Credit Course)		

#### Backlog Exam 2022

Date	F.Y.Bcom Sem II Time: 11:00 to 11:40 am	S.Y.Bcom SEM IV Time: 12:00 to 12:40pm
22-01-2022	Financial Accounting	Business Communication
24-01-2022	Business Economics	Corp A/C
25-01-2022	English	Business Economics
27-01-2022	Mathematics	Business Management
28-01-2022	Marathi /Hindi	C-law/ Tax-III
29-01-2022	Marketing /CPBE/ Tax I	Costing I/BA I/Tax IV
31-01-2022	OSD/Banking & Finance/ Tax-II	Environment Awareness
01-02-2022	Value Education (Credit Course)	

*[Signature]*  
12/11  
**H.O.D.**  
Department of Commerce and  
Research Centre  
Annasaheb Magar Mahavidyalaya  
Hadapsar, Pune - 28

*[Signature]*  
उप-प्राचार्य  
अण्णासाहेब मगर महाविद्यालय  
हडपसर, पुणे - 411028  
College Examination Officer  
Annasaheb Magar Mahavidyalaya  
Hadapsar, Pune-28  
PRINCIPAL  
Annasaheb Magar Mahavidyalaya  
Hadapsar, Pune-411028.

# Question Paper

## Value Education

PDEA'S  
ANNASAHEB MAGAR MAHAVIDHYLAYA, HADAPSAR, PUNE-28  
Value Education- I (Add on Course)  
FYBCOM SEM -I, 2021-22 (CBCS 2019 pattern)



Time : 1 Hours,

Total Marks : 50

Student Name : \_\_\_\_\_

Seat No: \_\_\_\_\_

सुचना : योग्य पर्यायाला टिक( ) करा.

- Teamwork, productivity, financial growth are the examples of \_\_\_\_\_ values. सांघिककार्य, उत्पादकता, वित्तीय विस्तार हा \_\_\_\_\_ मूल्यांची उदाहरणे आहेत.  
a) Organisational संस्थात्मक b) Individual वैयक्तिक c) Family कौटुंबिक d) Environmental पर्यावरणीय
- \_\_\_\_\_ values reflect how you relate to other people in your life.  
a) Organisational b) Relationship c) Professional d) Individual
- Personal values are the \_\_\_\_\_ that we deeply hold about life, it's \_\_\_\_\_ purpose and how we should behave. वैयक्तिक मूल्ये या आपल्या आयुष्यातील खोलवर रूजलेल्या \_\_\_\_\_ आहेत. ज्या आपण कसे वागतो हे ठरवतात.  
a) awareness जागरूकता b) good things चांगल्यागोष्टी c) belief श्रद्धा d) creativity सृजनशीलता
- \_\_\_\_\_ values are the fundamental component of our identity. \_\_\_\_\_ मूल्ये हा आपल्या व्यक्तिमत्त्वाचा मूलभूत घटक असतो.
- Personal वैयक्तिक b) Family कौटुंबिक c) Professional पेशाशी संबंधित d) Social सामाजिक  
Upward Communication flows from ----- to -----  
a) Top to Bottom b) Bottom to Top c) Horizontal d) None of the above
- C V means.....  
a) Curriculum vitae b) Curriculum Value c) Corresponding Valued d) Correct Value
- Bio data means-----  
a) Biological data b) Brief data c) Biographical data d) Basic data
- What is effective speaking?  
a) Speak loudly b) Speak in short c) Speak with manners d) None of the above
- is a well-known Buddhist practice that focuses on developing calmness. शांतता निर्माण करण्यावर लक्ष केंद्रित करणारी सुप्रसिद्ध बौद्ध प्रथा कोणती आहे?  
a) Metta b) Contemplative meditation c) Shamatha d) Vipassana
- Communication is a non-stop ..... संप्रेषण ही एक अविरत ..... आहे.  
a) Process-प्रक्रिया b) Paper-कागद c) Program-कार्यक्रम d) Plan-योजना
- Group Discussion is mostly.....  
a) Structured b) Unstructured c) Horizontal d) Vertical
- "The Chakras" are mentioned in which religion? चक्रांचा उल्लेख कोणत्या धर्मात आहे?  
a) Buddhism बौद्ध धर्म b) Islam इस्लाम c) Christianit ख्रिश्चन धर्म d) Hinduism हिंदू धर्म
- Which is the last stage of meditation? ध्यानाची शेवटची अवस्था कोणती आहे?  
a) एकाग्रता Concentration b) उद्देश Objective c) शुद्धी Purification d) चिंतन Contemplation
- The word meditation comes from-----, ध्यान हा शब्द कोठून आला आहे ?  
a) Omkar ओंकार b) Zen meditation झेन ध्यान c) meditation मेडिटेशन d) Vipassana विपश्यना



# Question Paper

## Value Education

15. Which of the following are the types of pollution? खालील पैकी कोणते प्रदूषणाचे प्रकार आहेत ?
- a) Water pollution. जलप्रदूषण b) Air pollution वायुप्रदूषण  
c) Noise pollution. ध्वनिप्रदूषण d) All of above वरीलपैकी सर्व
16. Earthquake, Volcano, Flood, these are ---- hazards. भूकंप, ज्वालामुखी, महापूर या ----- आपत्ती आहेत.
- a) Political राजकीय b) Cultural सांस्कृतिक c) Man made मानवनिर्मित d) Natural नैसर्गिक
17. The first international conference on the environment was held on ----- day. आंतरराष्ट्रीय स्तरावर पर्यावरण विषयक पहिली जागतिक परिषद ----- या दिवशी झाली.
- a) 5 June 1972 b) 5 June 1980 c) 7 May 1962 d) 7 May 1989
18. The first world environmental conference held in ----- country. पर्यावरण विषयक पहिली जागतिक परिषद ----- या देशात झाली.
- a) Japan जपान b) Sweden स्वीडन c) India भारत d) England इंग्लंड
19. \_\_\_\_\_ is cornerstone of any hypertension treatment strategy ?  
\_\_\_\_\_ हे उच्च रक्तदाब उपचारांच्या धोरणाचा आधार आहे?
- a) lifestyle evolution b) lifestyle transformation c) lifestyle modification d) none of above.
20. what is hypercholesterolemia means ? हायपर कोलेस्ट्रॉलिया म्हणजे काय?
- a. lowering of cholesterol कोलेस्ट्रॉल कमी करणे b) high level of cholesterol कोलेस्ट्रॉलची उच्च पातळी c) reduce level of iron लोहाची पातळी कमी करा d) high level of iron लोहाची उच्च पातळी.
21. what is full form of CPAP? सीपीएपीचा विस्तार काय आहे?
- a. continuous process airway pressure सतत प्रक्रिया वायुमार्गाचा दबाव  
b. सतत नकारात्मक वायुमार्गाचा दबाव  
c. positive airway pressure सतत सकारात्मक वायुमार्गाचा दबाव  
d. None of the above वरीलपैकी काहीही नाही.
22. A lifestyle modification is essential for which treatment? कोणत्या उपचारासाठी जीवनशैली सुधारणे आवश्यक आहे?
- a. obesity and T2DM लवठपणा आणि टी 2 डीएम b. chronic disease जुनाट आजार  
c) continuous process airway pressure सतत प्रक्रिया वायुमार्गाचा दबाव  
d) None of the above वरीलपैकी कोणतेही नाही.
23. The response to a sender's message is called..... प्रेषकाच्या संदेशास मिळालेल्या प्रतिसादाला ..... म्हणतात?
- a. Food Bank-अन्नकोष b) Feedback-अभिप्राय c) Food-अन्न d) Back-मागे
24. The ... is the person who transmits the message..... संदेश पाठवणारी व्यक्ती आहे.
- a. Receiver-प्राप्तकर्ता b. Driver-ड्रायव्हर c. Sender-प्रेषक d. Cleaner-क्लीनर
25. Communication is a part of ..... Skills. संप्रेषण हा ..... कौशल्याचा भाग आहे.
- a. Soft-मऊ b. Hard-कठोर c. Rough-खडबडीत d. Short- लहान



# Course Assessment

## Value Education



### Value Education

2021-22

#### Course Outcomes:

- CO 1. To understand and accept the importance of harmonious living in a diverse society.
- CO 2. To understand the need and importance for Value Based Living.

#### Course Syllabus:

1. Values for excellence in life:

Developing Values, Personal Values, Family Values, Professional Values.

2. Life Skills:

Motivational Skills, Communication Skills, Life style modification, Accessibility and Addiction, Environmental Awareness.

3. Spiritual Education:

Different schools of meditation, exploring the self, universal concept of the supreme, changing the belief system, Self Esteem, Stress free living.

#### Course Assessment:

Department has conducting 50 marks Value Education Examination. nature of Examination MCQ as well as descriptive questions. after examination evaluate the answer sheet and provided the Course certificate.

H.O.D.


Department of Commerce and  
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Annasaheb Magar Mahavidyalaya  
Hadapsar, Pune-28

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Hadapsar, Pune-411028.

# Report

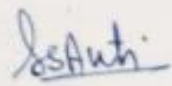
## Value Education



पुणे जिल्हा शिक्षण मंडळाचे  
अण्णासाहेब मगर महाविद्यालय, हडपसर पुणे.२८  
F.Y. BCOM (CBCS-2019 pattern) 2021-22  
Value Added Course: Value Education (30 Hours )  
SEM- I  
Date : 27/01/2022

**विद्यार्थ्यांसाठी सुचना**

FYBCOM (प्रथम वर्ष वाणिज्य) सर्व विद्यार्थ्यांसाठी सावित्रीबाई फुले पुणे विद्यापीठाच्या नियमानुसार Value added course अंतर्गत Value Education (SEM-I) कोर्स दिनांक ०७/०१/२०२२ ते २५/०१/२०२२ घेण्यात आला सदर कोर्स ३० तासांचा होता. या कोर्सचा उद्देश विद्यार्थ्यांना जिवनातील सार आणि नैतिक मुल्य ओळखण्याची क्षमता विकसित करणे तसेच वास्तविक जिवनातील परिस्थितीमध्ये कार्य करण्यासाठी वचनबद्धता आणि धैर्य हा होता. अभ्यासक्रम शिकवून झाल्यानंतर विद्यार्थ्यांचे त्यासाठी स्वतंत्र मुल्यमापन करून विद्यार्थ्यांना 1 Credit दिला तसेच प्रत्येक विद्यार्थ्याला कोर्स पूर्ण केल्याबद्दल प्रमाणपत्र दिले. या कोर्स साठी एकूण ६४७ विद्यार्थ्यांनी सहभाग घेतला.

  
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 Department of Commerce and  
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 Annasaheb Magar Mahavidyalaya  
 Hadapsar, Pune-28



## Notice Intellectual Property Rights Law

Timing: 11 PM to 2 PM: 3 Hours

Per day 3 Hours

**21/05/2022 to 30/05/2022 (10days' x 3hr. = 30 hrs.)**

पुणेजिल्हाशिक्षणमंडळाचे  
अण्णासाहेबमगरमहाविद्यालय, हडपसर पुणे.२८

**F.Y.BCOM (CBCS-2019 pattern) 2021-22**

**Credit Course: Intellectual Property rights laws**  
**SEM- II**

Date :07/05/2022

**विद्यार्थ्यांसाठीसुचना**

FYBCOM(प्रथम वर्ष वाणिज्य) सर्व विद्यार्थ्यांन ासुचित करण्यात येते की,सावित्रीबाई फुले पुणे विद्यापीठाच्या नियमानुसार Value added course अंतर्गत **Intellectual Property rights laws** कोर्स घेणे बंधनकारक असून त्यासाठी 1 Credit आहे. सदर कोर्स एकूण ३० लेक्चर घेवून त्याचे स्वतंत्र मुल्यमापन करणे गरजेचे आहे. त्यासाठी सर्व विद्यार्थ्यांची हजेरी आवश्यक राहिल. सदर कोर्स हा २१ मे २०२२ ते ३१ मे या कालावधीमध्ये होईल.



**Co-ordinator**



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Department of Commerce and  
Research Center  
Annasaheb Magar Mahavidyalaya  
Hadapsar, Pune-28



**PRINCIPAL**  
Annasaheb Magar Mahavidyalaya  
Hadapsar, Pune-411028.

# Notice for Teachers

## Intellectual Property Rights Law

PDEA's  
AnnasahebMagar College, Hadapsar  
Department of Commerce & Research Centre  
F.Y.BCOM (CBCS) 2021-22  
Credit Course: Intellectual Property rights laws  
SEM- II

Notice for teachers

Date :07/05/2022




As per Savitribai Phule Pune University Department of commerce has organized Value added course " Intellectual Property rights laws" . The Course contains 1 Credit With minimum30 lectures and Exam.  
All the teacher should take their lectures as per prescribed schedule provided.  
They should submit 4 MCQ type Question before a day of their lecture.

  
Coordinator

**Co-ordinator**

  
HOD

**H.O.D.**  
Department of Commerce and  
Research Center  
Annasaheb Magar Mahavidyalaya  
Hadapsar, Pune-28

  
Principal

**PRINCIPAL**  
Annasaheb Magar Mahavidyalaya  
Hadapsar, Pune-411028.

## Time-Table with Syllabus

### Intellectual Property Rights Law

PDEA's  
**AnnasahebMagarMahavidyalay, Hadapsar, Pune 411028**  
 Department of Commerce& Research centre  
 Value Added Course F.Y.B.Com SemII (2019 Pattern)  
 Academic Year (2021-22)  
**Intellectual Property Rights**  
**Timetable**



Time :11.00 to 2.00 pm

Duration 21/05/2021 to 31/05/2022

Sr. No.	Date	Divisions A+B	Divisions C	Divisions D+E
1	21/05/2022	Dr. Waghmode. S. D	Dr. Doke A.M.	Prof.Zende V.H.
2		Dr. Waghmode. S. D	Dr. Doke A.M.	Prof.Zende V.H.
3		Dr. Waghmode. S. D	Dr. Doke A.M.	Prof.Zende V.H.
4	22/05/2022	Prof. Shelar G.D.	Dr. Waghmode. S. D	Prof. Kamathe P.A.
5		Prof. Shelar G.D.	Dr. Waghmode. S. D	Prof. Kamathe P.A.
6		Prof. Shelar G.D.	Dr. Waghmode. S. D	Prof. Kamathe P.A.
7	23/05/2022	Prof.Zende V.H.	Prof. Shelar G.D.	Dr. Waghmode. S. D
8		Prof.Zende V.H.	Prof. Shelar G.D.	Dr. Waghmode. S. D
9		Prof.Zende V.H.	Prof. Shelar G.D.	Dr. Waghmode. S. D
10	24/05/2022	Dr. ManeN.A	Prof.Zende V.H.	Prof. Shelar G.D.
11		Dr. ManeN.A	Prof.Zende V.H.	Prof. Shelar G.D.
12		Dr. ManeN.A	Prof.Zende V.H.	Prof. Shelar G.D.
13	25/05/2022	Prof. Kamathe P.A.	Dr. ManeN.A	Dr. Nikam S.S
14		Prof. Kamathe P.A.	Dr. ManeN.A	Dr. Nikam S.S
15		Prof. Kamathe P.A.	Dr. ManeN.A	Dr. Nikam S.S
16	26/05/2022	Dr. Doke A.M.	Prof. Kamathe P.A.	Dr. Satav G.P
17		Dr. Doke A.M.	Prof. Kamathe P.A.	Dr. Satav G.P
18		Dr. Doke A.M.	Prof. Kamathe P.A.	Dr. Satav G.P
19	27/05/2022	Dr. Satav G.P	Dr. Nikam S.S	Prof. Oak Madhumanjiri
20		Dr. Satav G.P	Dr. Nikam S.S	Prof. Oak Madhumanjiri

## Time-Table with Syllabus Intellectual Property Rights Law

21		Dr. Satav G.P	Dr. Nikam S.S	Prof. Oak Madhumanjiri
22	28/05/2022	Prof. Oak Madhumanjiri	Dr. Satav G.P	Prof. BankarPrajkta
23		Prof. Oak Madhumanjiri	Dr. Satav G.P	Prof. BankarPrajkta
24		Prof. Oak Madhumanjiri	Dr. Satav G.P	Prof. BankarPrajkta
25	29/05/2022	Prof. BankarPrajkta	Prof. Oak Madhumanjiri	Dr. ManeN.A
26		Prof. BankarPrajkta	Prof. Oak Madhumanjiri	Dr. ManeN.A
27		Prof. BankarPrajkta	Prof. Oak Madhumanjiri	Dr. ManeN.A
28	30/05/2022	Dr. Nikam S.S	Prof. BankarPrajkta	Dr. Doke A.M.
29		Dr. Nikam S.S	Prof. BankarPrajkta	Dr. Doke A.M.
30		Dr. Nikam S.S	Prof. BankarPrajkta	Dr. Doke A.M.
	31/05/2022	Dr. Waghmode. S.D.	Online Exam ( all Division	03:00 am to 04:00 am

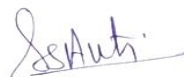


### Topics allotted to the faculty as under

- 1) Dr. Waghmode. S.D.=Intellectual Property Rights in India an overview.
- 2) Dr. Doke A.M.= Basic knowledge of various branches of Intellectual Property Law.
- 3) Prof. ZendeV.H : Patents, copyrights,.
- 4) Prof. Shelar G.D. = Related rights Trademark
- 5) Dr. NikamS.S.. = Geographical indications, Industrial designs,
- 6) Dr. Mane N.A. - Filings for Intellectual Property Registration.
- 7) Prof. OkeMadhumanjiri.= Contemporary Issues in Intellectual Property Laws
- 8) Dr. SatavG.p. Holistic understanding of the legalities of Intellectual Property Rights.
- 9) .Prof. Kamathe P.A.= Steps of Development of Intellectual Property.
- 10) Prof. Bankar. Prajkta -New patent varieties, Unfair competitions.

  
Course Coordinator

**Co-ordinator**

  
HOD

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Hadapsar, Pune-28



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Hadapsar, Pune-411028.



## Course Outcome

# Intellectual Property Rights Law




**Intellectual Property Right**  
**2021-22**


**Course Outcomes:**

CO 1: Distinguish and Explain various forms of IPRs.  
CO 2 : Identify criteria's to fit one's own intellectual work in particular form of IPRs.

**Course Syllabus:**

- Intellectual Property Rights in India: Overview,
- Patents, Copyrights, Related Rights, Trademarks, Geographical Indications, Industrial
- Designs, New Patent Varieties, Unfair Competition
- Basic knowledge on the various branches of Intellectual Property Law
- holistic understanding of the legalities of Intellectual Property Rights
- Contemporary issues in Intellectual Property Laws
- Filings for Intellectual Property registration
- Steps of development of Intellectual Property

  
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Hadapsar, Pune-411028

# Question Paper

## Intellectual Property Rights Law

Name: \_\_\_\_\_

Roll No: \_\_\_\_\_

PDEA'S  
ANNASAHEB MAGAR MAHAVIDYALAY, HADAPSAR, PUNE-28  
F.Y.BCOM (CBCS) Semester - II, Year 2021- 2022  
SUBJECT- Intellectual Property Right Law



Time: 1:00 Hours

Marks: 50

N.B: 1.All Question is compulsory

2. All questions are Multiple Choice

**1. Which is not a Intellectual property in the following.**

1. Patent      २. Copy right      ३. Trade right      ४. Designs  
पुढील पैकी कशाचा समावेश बौद्धिक संपदा मालमत्तेमध्ये होत नाही.
१. पेटंट      २. कॉपीराईट/ लेखाअधिकार      ३. ट्रेडअधिकार      ४. आराखडा

**2. Which is the Intangible Asset?**

1. Patent      २. Copy right      ३. Trade Mark      ४. All of the above  
पुढीलपैकी कोणत्या अदृश्य मालमत्ता आहेत.

१. पेटंट      २. कॉपीराईट/ लेखाअधिकार      ३. ट्रेडमार्क      ४. वरीलपैकी सर्व

**3. Establishment Year of World intellectual property organization [WIPO]**

1. 14July 1967      २. 14 June 1970      ३. 14 May 1967      ४. 14 April 1967

जागतिक बौद्धिक संपदा संघटन स्थापना वर्ष कोणते.

१. १४ जुलै १९६७      २. १४ जून १९७०      ३. १४ मे १९६७      ४. १४ एप्रिल १९६७

**4. In which city is located the office World intellectual property organization**

1. Washigtan      2. America      3. Stockhome      4. Jinivha  
जागतिक बौद्धिक संपदा संघटना [WIPO] चे कार्यालय कोठे आहे.

१. वॉशिंग्टन      २. अमेरिका      ३. स्टॉकहोम      ४. जिनिव्हा

**५. What is the year of the establishment of WTO**

१. १ मार्च १९६७      २. १/१/१९९५      ३. १ मे १९६७      ४. १ एप्रिल १९६७  
WTO ची स्थापना केव्हा झाली.

१. १ मार्च १९६७      २. १/१/१९९५      ३. १ मे १९६७      ४. १ एप्रिल १९६७

**६. Objectives of WIPO**


1. Protect the Member country related to Intellectual Property right.  
2. To transfer the Information to the Member Country related to TRIPS  
3. To Cooperate for Administrative Services in the Member Country.  
4. All of the above.

जागतिक बौद्धिक संपदा संघटनेची उद्दिष्टे कोणते.

१. जागतिक पातळीवर सभासद राष्ट्रांच्या बौद्धिक संपदेचे संरक्षण करणे.  
२. बौद्धिक संपदेच्या संदर्भात सभासद राष्ट्रांमध्ये माहितीची अदलाबदल करणे.

# Question Paper

## Intellectual Property Rights Law



३. सभासद राष्ट्रांच्या कामामध्ये प्रशासकीय सहकार्य निर्माण करणे.  
 ४. वरिल सर्व

7. **Year of Biological Diversities Act**  
 1. 2002      2. 2004      3. 2005      4. 2007

जैवविविधता कायदा कधी आला.

१. २००२      २. २००४      ३. २००५      ४. २००७

8. **Which is a Intellectual property in the following.**  
 1. Patent      २. Copy right      ३. Trade Mark      ४. all above  
 पुढील पैकी कशाचा समावेश बौद्धिक संपदा मालमत्तेमध्ये होतो.

१. पेटंट      २. कॉपीराईट/ लेखाअधिकार      ३. ट्रेडमार्क      ४. वरिल सर्व

9. **Which is the Tangible Asset?**  
 1. Plant      २. Machinery      ३. Furniture      ४. All of the above  
 पुढीलपैकी कोणत्या दृश्य मालमत्ता आहेत.

१. जमीन      २. यंत्रसामग्री      ३. फर्निचर      ४. वरीलपैकी सर्व

10. **Goodwill is an Asset.**  
 1. Tangible Asset      २. Intangible Asset      ३. Current Asset      ४. All of the above  
 नावलैकिक हि कोणती संपत्ती आहे.

१. दृश्य मालमत्ता      २. अदृश्य मालमत्ता      ३. चालू मालमत्ता      ४. वरीलपैकी सर्व

11. **A holistic Intellectual Property approach means thinking about**  
 a) Big picture      b) Small picture      c) Critical picture      d) Positive picture  
 अखंड बौद्धिक संपदा दृष्टीकोण म्हणजे असा विचार

अ) मोठे चित्र      ब) छोटे चित्र      क) टिकात्मक चित्र      ड) सकारात्मक चित्र

12. **A holistic Approach to Intellectual Property management is critical for**  
 a) Industries      b) IP centric companies      c) Professionals      d) Domestic companies  
 अखंड बौद्धिक संपदा दृष्टीकोण दोपदर्शी आहे

अ) कंपनीसाठी      ब) बौद्धिक संपदा केंद्रीभूत कंपनीसाठी      क) व्यावसायिकांसाठी      ड) देशी कंपन्यांसाठी

13. **Best practice to protect IP is**  
 a) To increase efficiency      b) To encourage employees  
 c) To promote awareness      d) To procure knowledge

# Question Paper

## Intellectual Property Rights Law



- बौद्धिक संपदा सर्वोत्तम सराव म्हणजे  
 अ) कार्यक्षमता वाढविणे ब) कर्मचाऱ्यांना प्रोत्साहित करणे  
 क)सतर्कता वाढविणे ड) ज्ञान संपादन करणे

14. Typically IP data tend to be  
 a) Unorganized b) Organized c) Scientific d) Unplanned

- बौद्धिक संपदा ही प्रवृत्ती आहे  
 अ) असंघटित ब) संघटित क) शाश्वीय ड) अनिच्छित

15. Intellectual Property Law includes-  
 a) Copyright, Trademark, Patent Law b) Copyright, Market, patent Law  
 C) Patent, Trademark, RTE Law D) Copyright, Patent, RTI Law

बौद्धिक संपत्ती कायद्यात खालील गोष्टींचा समावेश आहे.

- अ) कॉपीराइट,, ट्रेडमार्क,, पेटंट कायदा ब) कॉपीराइट,, बाजार, , पेटंट कायदा  
 क) पेटंट,, ट्रेडमार्क,, आरटीई कायदा ड) कॉपीराइट,, पेटंट,, माहिती अधिकार कायदा

16. Contemporary issue/issues in Intellectual Property Law  
 a) Slow mechanism of legal System C) Not clarity about newly inventions  
 b) Unfamiliarity/lack of awareness D) All of above

बौद्धिक मालमत्ता कायद्यातील समकालीन समस्या

- अ) कायदेशीर प्रणालीची हळू यंत्रणा ब) नवीन शोधाविषयी स्पष्टीकरण नाही  
 क) अपरिचित / जागरूकता अभाव ड) वरील सर्व

17. Intellectual Property Right (IPR) Law protect the use of information and ideas that are of  
 a) Ethical Value b) Moral Value c) Social Value d) Commercial value

बौद्धिक मालमत्ता अधिकार (आयपीआर) कायदा माहिती आणि कल्पनांचा वापर संरक्षित करतो

- अ) नैतिक मूल्य ब) नैतिक मूल्य क) सामाजिक मूल्य ड) व्यावसायिक मूल्य

18. The following cannot be exploited by assigning or by licensing the rights to others

- a) Patents b) Designs C) Trademark d) all of the above

इतरांचा हक्क देऊन किंवा परवान्यांद्वारे खालील गोष्टींचा शोषण केले जाऊ शकत नाही

- अ) पेटंट्स ब) डिझाईन्स क) ट्रेडमार्क ड) वरील सर्व

19. In India "Copyright Act, 1957" Intellectual Property right Law amended in  
 a) 1959 b) 1986c) 1997 d) 2012

भारतात "कॉपीराइट कायदा, 1957" बौद्धिक मालमत्ता हक्क कायद्यात सुधारना

- अ) 1959 ब) 1986 क) 1997ड) 2012

20. The term 'Intellectual Property Rights' covers

- a. Copyrights b. Know-how c. Trade dress d. All of the above

बौद्धिक संपत्ती हक्क' या शब्दाचा समावेश होतो

- अ. कॉपीराइट्स बी. कसे वे जाणून घ्या सी. व्यापार पोशाख डी .वरील सर्व

21. The following can be patented

- a. Machine b. Process C. Composition of matter D. All of the above

खालील पेटंट केले जाऊ शकते

# Question Paper


## Intellectual Property Rights Law



- अ. मशीन बी. प्रक्रिया सी. पदार्थांची रचना डी. वरील सर्व
22. In 'quid-pro-quo', quo stands for  
 a. knowledge disclosed to the public b. monopoly granted for the term of the patent  
 c. exclusive privilege of making, selling and using the invention d. None of the above
- मध्ये 'क्विड-प्रो-कोको', म्हणजेच
- अ. ज्ञान लोकांना जाहीर केले बी. पेटंटच्या मुदतीसाठी मत्तेदारी दिली  
 सी. शोध करण्याचा, विक्री करण्याचा आणि वापरण्याचा विशेषाधिकार  
 डी. वरीलपैकी काहीही नाही
23. Symbol of Maharaja of Air India is  
 a. Copyright b. Patent c. Trademark d. All of the above
- एअर इंडियाच्या महाराजाचे प्रतीक आहे
- अ. कॉपीराइट बी. पेटंट सी. ट्रेडमार्क डी. वरील सर्व
24. In India, the literary work is protected until  
 a. Lifetime of author b. 25 years after the death of author  
 c. 40 years after the death of author d. 60 years after the death of author
- भारतात, साहित्यिक कार्य पर्यंत संरक्षित आहे
- अ. लेखकाचा आजीवन बी. लेखक मृत्यू नंतर 25 वर्षे  
 सी. लेखक मृत्यू नंतर 40 वर्षे डी. लेखक मृत्यू नंतर 60 वर्षे
25. Design does not include  
 a. features of shape b. composition of lines or colours  
 c. mode or principle of construction d. None of the above
- डिझाइनमध्ये समाविष्ट नाही
- अ. आकार वैशिष्ट्ये बी. रेषा किंवा रंगांची रचना  
 सी. मोड किंवा बांधकाम सिद्धांत डी. वरीलपैकी काहीही नाही

# Course Assessment

## Intellectual Property Rights Law



**Intellectual Property Right**  
2021-22

**Course Outcomes:**

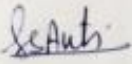
CO 1: Distinguish and Explain various forms of IPRs.  
CO 2 : Identify criteria's to fit one's own intellectual work in particular form of IPRs.


**Course Syllabus:**

- Intellectual Property Rights in India: Overview,
- Patents, Copyrights, Related Rights, Trademarks, Geographical Indications, Industrial
- Designs, New Patent Varieties, Unfair Competition
- Basic knowledge on the various branches of Intellectual Property Law
- holistic understanding of the legalities of Intellectual Property Rights
- Contemporary issues in Intellectual Property Laws
- Filings for Intellectual Property registration
- Steps of development of Intellectual Property

**Course Assessment:**


Department has conducting 50 marks IPR Examination. nature of Examination MCQ as well as descriptive questions. after examination evaluate the answer sheet and provided the Course certificate.

  
**H.O.D.**  
Department of Commerce and  
Research Center  
Annasaheb Magar Mahavidyalaya,  
Hadapsar, Pune-28

  
**PRINCIPAL**  
Annasaheb Magar Mahavidyalaya  
Hadapsar, Pune-411028.

## Reports

### Intellectual Property Rights Law



पुणे जिल्हा शिक्षण मंडळाचे  
अण्णासाहेब मगर महाविद्यालय, हडपसर पुणे.२८

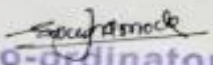
S.Y. BCOM (CBCS-2019 pattern) 2021-22

Value Added Course: Intellectual Property Right Laws (30 Hours )  
Date : 16/06/2022

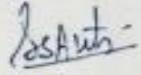
**अहवाल**

SYBCOM मधील सर्व विद्यार्थ्यांसाठी सावित्रीबाई फुले पुणे विद्यापीठाच्या नियमानुसार Value added course अंतर्गत Intellectual Property Right Laws कोर्स दिनांक २१/०५/२०२२ ते ३१/०५/२०२३ घेण्यात आला. सदर कोर्स ३० तास घेवून पूर्ण केला. या कोर्सचा उद्देश हा विद्यार्थ्यांना बौद्धिक संपदा आणि तंत्रज्ञानाचा समतोल संयोजन व्यावसायिक चमत्कार घडवतो आणि स्पर्धेबद्दल निर्भय बनवतो बौद्धिक मालमत्तेची नोंदणी पेटंट ट्रेडमार्क औद्योगिक डिझाईन कॉपीराईट यांचा गैरवापर होण्यापासून सुरक्षित करण्याचा उद्देश या शिक्षणाचा होतो.


अभ्यासक्रम शिकवून झाल्यानंतर विद्यार्थ्यांचे त्यासाठी स्वतंत्र मुल्यमापन करून विद्यार्थ्यांना 2 Credit दिले तसेच प्रत्येक विद्यार्थ्याला कार्स पूर्ण केल्याबद्दल प्रमाणपत्र दिले. या कार्स साठी एकूण ५४४ विद्यार्थ्यांनी सहभाग घेतला.



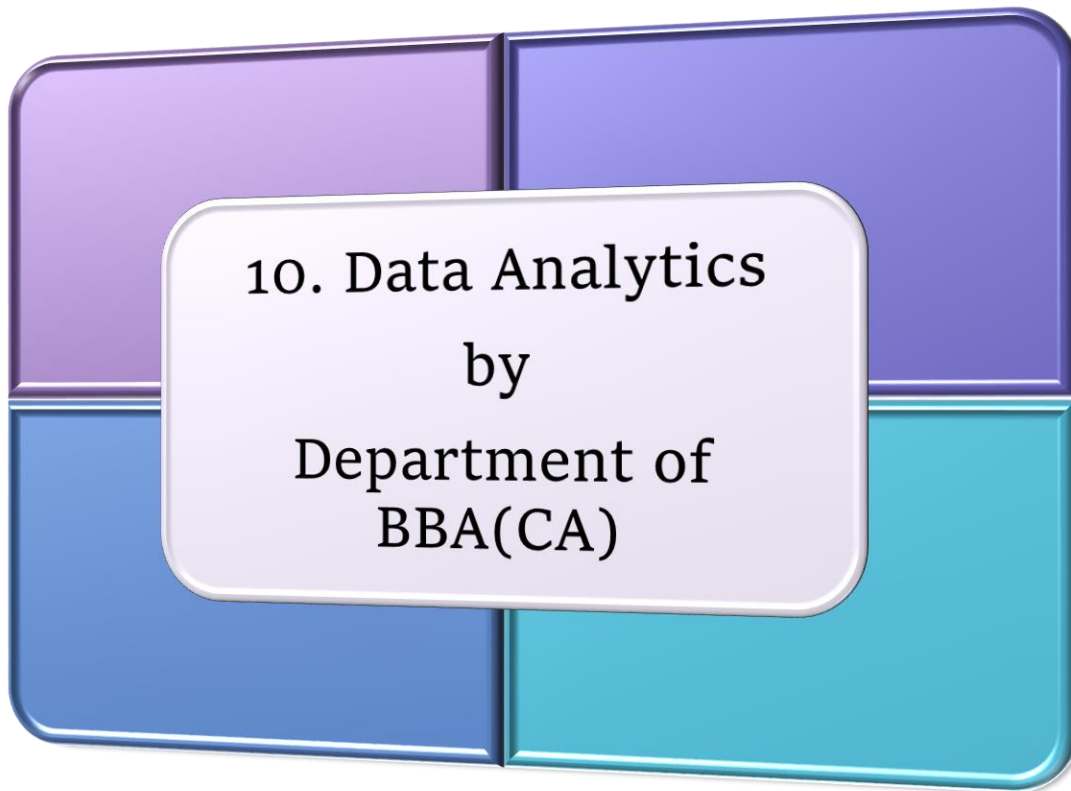
**Co-ordinator**



**H.O.D.**  
Department of Commerce and  
Research Center  
Annasaheb Magar Mahavidyalaya  
Hadapsar Pune-28



**PRINCIPAL**  
Annasaheb Magar Mahavidyalaya  
Hadapsar Pune-411028



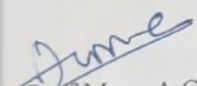


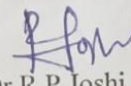
**Notice**  
**Data Analytics**

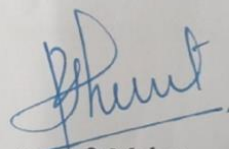
**Timing: 1 PM to 2 PM: 1 Hour and 1 PM to 3 PM 2hr.**  
**03/02/2022 to 15/03/2022 (26 days (1hr.) + 2 days (2hr.) = 30 hrs**


P.D.E.A's  
Annasaheb Magar Mahavidyalaya Hadapsar, Pune-411028  
Department of BBA (CA)  
Notice  
Date: 01/02/2022


All the TYBBA (CA) students are hereby informed that the department has organized the Certificate course on "Data Analytics" from 03/02/2022 to 15/03/2022. All the students must attend the course. On completion of course all the students will get certificate.

  
Prof. Mane A.C  
HOD (BBA (CA))

  
Dr. R.P. Joshi  
IQAC Coordinator  
Co-ordinator  
IQAC Committee  
Annasaheb Magar Mahavidyalaya,  
Hadapsar, Pune-28.

  
Dr. P.R. Muly  
Vice-Principal

  
Dr. P.N. Shelke  
PRINCIPAL  
Annasaheb Magar Mahavidyalaya  
Hadapsar, Pune-411028



## Permission letter

### Data Analytics

Department of BBA (CA)  
Annasaheb Magar College,  
Hadapsar, Pune-411028  
Date:17/01/2022

To,  
IQAC Coordinator,  
Annasaheb Magar Mahavidyalaya,  
Hadapsar, Pune-411028



Subject: Letter to grant permission for Certificate Course-“Data Analytics” Syllabus.

Respected sir,

Our department has organized Certificate course for TYBBA (CA) students .the subject for the course is “Data Analytics”. Hereby we are enclosing the syllabus copy and we request you to grant permission for the same.

Thanking You.

H.O.D.  
Department of BBA (CA)  
Annasaheb Magar Mahavidyalaya  
Hadapsar, Pune-28

Co-ordinator  
IQAC Committee  
Annasaheb Magar Mahavidyalaya,  
Hadapsar, Pune-28.

# Syllabus

## Data Analytics



P.D.E.A's  
Annasaheb Magar Mahavidyalaya, Hadapsar, Pune-411028,  
Department of BBA (CA)  
Syllabus of Certificate Course on "Data Analytics"  
Year 2021-22

### Course Objectives:

To provide strong foundation for data analytics and application area related to it and understand the underlying core concepts and emerging technologies in data analytics.

### Course Outcomes:

- CO1: Explore the fundamental concepts of data analytics
- CO2: Understand data analysis techniques for applications handling large data
- CO3: Understand various machine learning algorithms used in data analytics process
- CO4: Visualize and present the inference using various tools
- CO5: Learn to think through the ethics surrounding privacy, data sharing and algorithmic decision-making

Sr.No	Chapter Name	No. Of Lectures required
1	INTRODUCTION Data Analytics - Types – Phases - Quality and Quantity of data – Measurement - Exploratory data analysis - Business Intelligence.	6
2	BIG DATA Big Data and Cloud technologies - Introduction to HADOOP: Big Data, Apache Hadoop, Map Reduce - Data Serialization - Data Extraction - Stacking Data - Dealing with data.	6
3	DATA VISUALIZATION Introduction to data visualization – Data visualization options – Filters – Dashboard development tools – Creating an interactive dashboard with dc.js - summary.	6
4	ANALYTICS AND MACHINE LEARNING Machine learning – Modeling Process – Training model – Validating model – Predicting new observations –Supervised learning algorithms – Unsupervised learning algorithms.	6
5	ETHICS AND RECENT TRENDS Data Science Ethics – Doing good data science – Owners of the data - Valuing different aspects of privacy - Getting informed consent - The Five Cs – Diversity – Inclusion – Future Trends.	6

Prof. Mane A.C  
HOD (BBA (CA))

Dr. R.P. Joshi  
IQAC Coordinator  
Co-ordinator  
IQAC Committee  
Annasaheb Magar Mahavidyalaya,  
Hadapsar, Pune-28.


Dr. P R Mulay  
Vice-Principal

Dr. P.N. Shelke  
Principal  
Annasaheb Magar Mahavidyalaya  
Hadapsar, Pune-411028.

# Timetable

## Data Analytics

P.D.E.A.'S  
Annasaheb Magar Mahavidyalaya, Hadapsar, Pune-28  
Department of BBA(CA)  
TVBBA(CA) Year-2021-22  
ADD-ON CERTIFICATE COURSE ON "DATA ANALYTICS"  
TIME TABLE



Sr.No	DATE	DAY	TIME	NO.OF LECTURES	TaughtBy
1	03/02/2022	Thursday	1 pm to 2 pm	1	Mane A.C.
2	04/02/2022	Friday	1 pm to 2 pm	1	Mane A.C.
3	05/02/2022	saturday	1 pm to 2 pm	1	Mane A.C.
4	07/02/2022	Monday	1 pm to 2 pm	1	Mane A.C.
5	08/02/2022	Tuesday	1 pm to 2 pm	1	Mane A.C.
6	09/02/2022	Wednesday	1 pm to 2 pm	1	Mane A.C.
7	10/02/2022	Thursday	1 pm to 2 pm	1	Mane A.C.
8	11/02/2022	Friday	1 pm to 2 pm	1	Mane A.C.
9	12/02/2022	saturday	1 pm to 2 pm	1	Ghule P.A.
10	14/02/2022	Monday	1 pm to 2 pm	1	Ghule P.A.
11	15/02/2022	Tuesday	1 pm to 2 pm	1	Ghule P.A.
12	16/02/2022	Wednesday	1 pm to 2 pm	1	Ghule P.A.
13	17/02/2022	Thursday	1 pm to 2 pm	1	Ghule P.A.
14	18/02/2022	Friday	1 pm to 2 pm	1	Ghule P.A.
15	21/02/2022	Monday	1 pm to 2 pm	1	Ghule P.A.
16	22/02/2022	Tuesday	1 pm to 2 pm	1	Ghule P.A.
17	23/02/2022	Wednesday	1 pm to 2 pm	1	Modak S.K.
18	24/02/2022	Thursday	1 pm to 2 pm	1	Modak S.K.
19	25/02/2022	Friday	1 pm to 2 pm	1	Modak S.K.
20	26/02/2022	saturday	1 pm to 2 pm	1	Modak S.K.
21	28/02/2022	Monday	1 pm to 2 pm	1	Modak S.K.
22	02/03/2022	Wednesday	1 pm to 2 pm	1	Modak S.K.
					Yadav Sangeeta R. (Resource Person)
23	03/03/2022	Thursday	1 pm to 2 pm	1	
24	04/03/2022	Friday	1 pm to 2 pm	1	Yadav Sangeeta R. (Resource Person)
25	05/03/2022	saturday	1pm to 3pm (Practical Session)	2	Yadav Sangeeta R. (Resource Person)
26	07/03/2022	Monday	1pm to 3pm (Practical Session)	2	Mr. Zaheer Inamdar (Resource Person)
27	09/03/2022	Wednesday	1pm to 2pm (Practical Session)	1	Mr. Zaheer Inamdar (Resource Person)
28	10/03/2022	Thursday	1pm to 2pm (Practical Session)	1	Mr. Zaheer Inamdar (Resource Person)

Dme

P  
D

# Question Paper

## Data Analytics

P.D.E.A'S

Annasaheb Magar Mahavidyalaya, Hadapsar, Pune-28

Department of BBA(Computer Application)

TY BBA(CA) Year 2021-22

TEST- Data Analytics



Date- 15/03/2022

Time 1.15 p.m. to 3.15 p.m.

Instruction: 1) All questions are compulsory.

2) All questions carry equal marks.

Total Marks-30

Q.1 Data Analytics uses \_\_\_ to get insights from data.

- a. Statistical figures      b. Numerical aspects
- c. Statistical methods    d. None of the mentioned above

Q.2 Amongst which of the following is / are the types of Linear Regression,

- a. Simple Linear Regression    b. Multiple Linear Regression
- c. Both A and B                  d. None of these

Q.3. The process of quantifying data is referred to as \_\_\_

- a. Decoding                        b. Structure
- c. Enumeration                  d. Coding

Q.4 are used when we want to visually examine the relationship between two quantitative variables.

- a. Bar graph                        b. Scatterplot
- c. Line graph                        d. Pie chart

Q. 5 A graph that uses vertical bars to represent data is called a \_\_\_.

- a. Bar graph                        b. Line graph
- c. Scatterplot                        d. All of these

Q.6 Data Analysis is a process of,

- a. Inspecting data                  b. Data Cleaning
- c. Transforming of data    d. All of these

Q.7 Which of the following is not a major data analysis approaches?



# Result Analysis

## Data Analytics

P.D. E'A

Annasaheb Magar Mahavidyalaya, Hadapsar, Pune-28

Department of BBA (Computer Application)

Academic Year 2021-2022

Result Analysis For


Certificate Course

In

**Data Analytics**

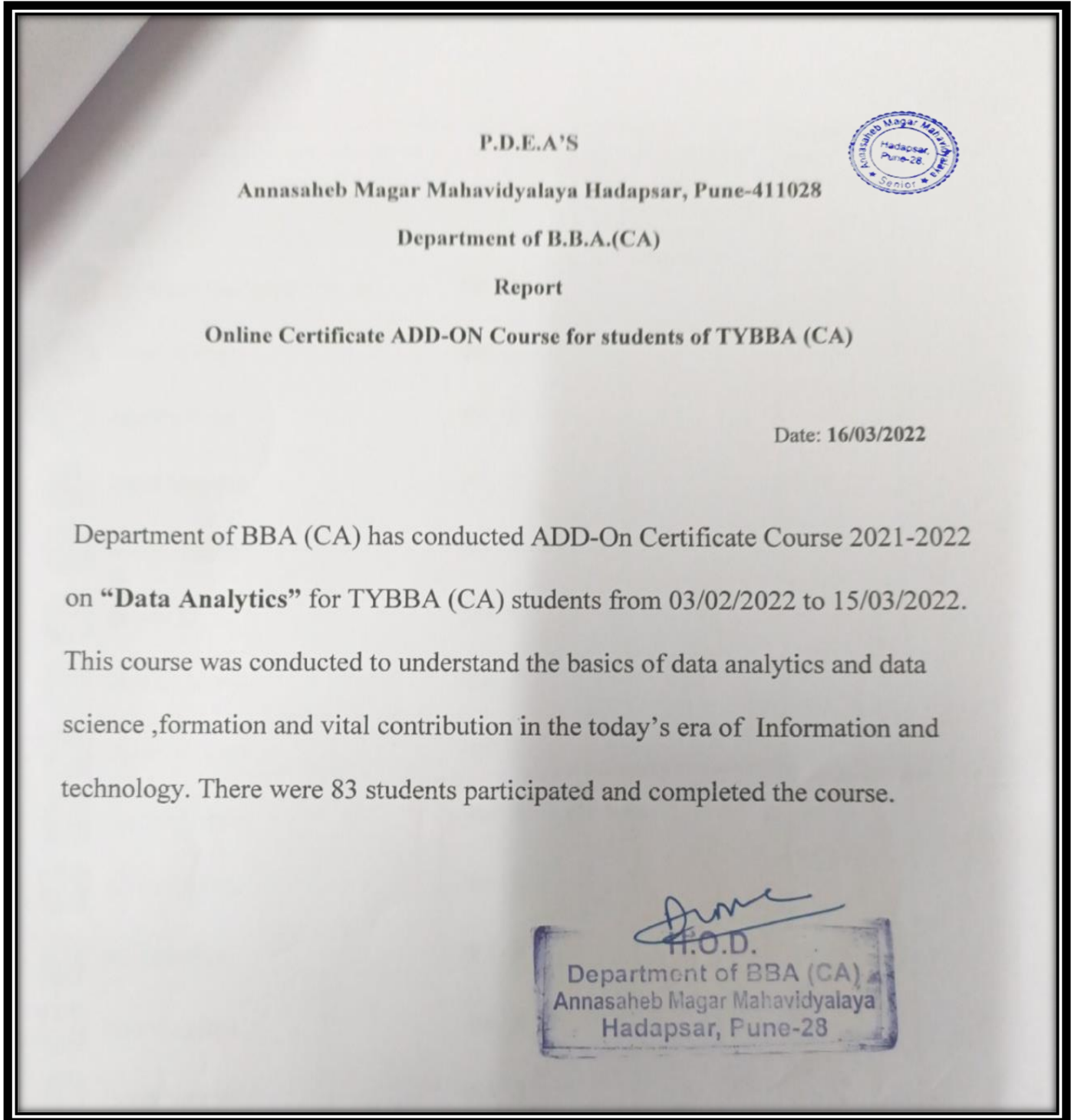


Total Student Enrolled		83
Total Student Appeared		83
Distinction	24 to 30 Marks	11
1 <sup>st</sup> Class	19 to 23 Marks	37
2 <sup>nd</sup> Class	12 to 18 Marks	35
Failed	11 and Less Marks	Nil
Passing Result		100%

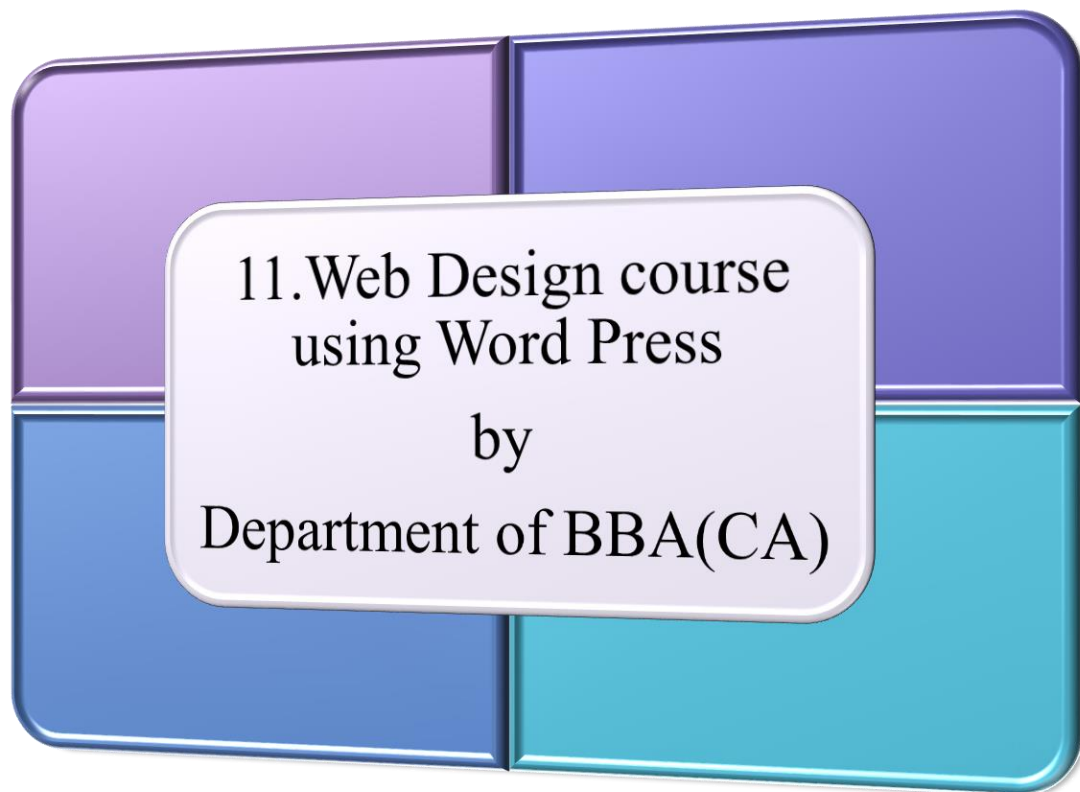
  
H.O.D.  
Department of BBA (CA)  
Annasaheb Magar Mahavidyalaya  
Hadapsar, Pune-28

# Report

## Data Analytics

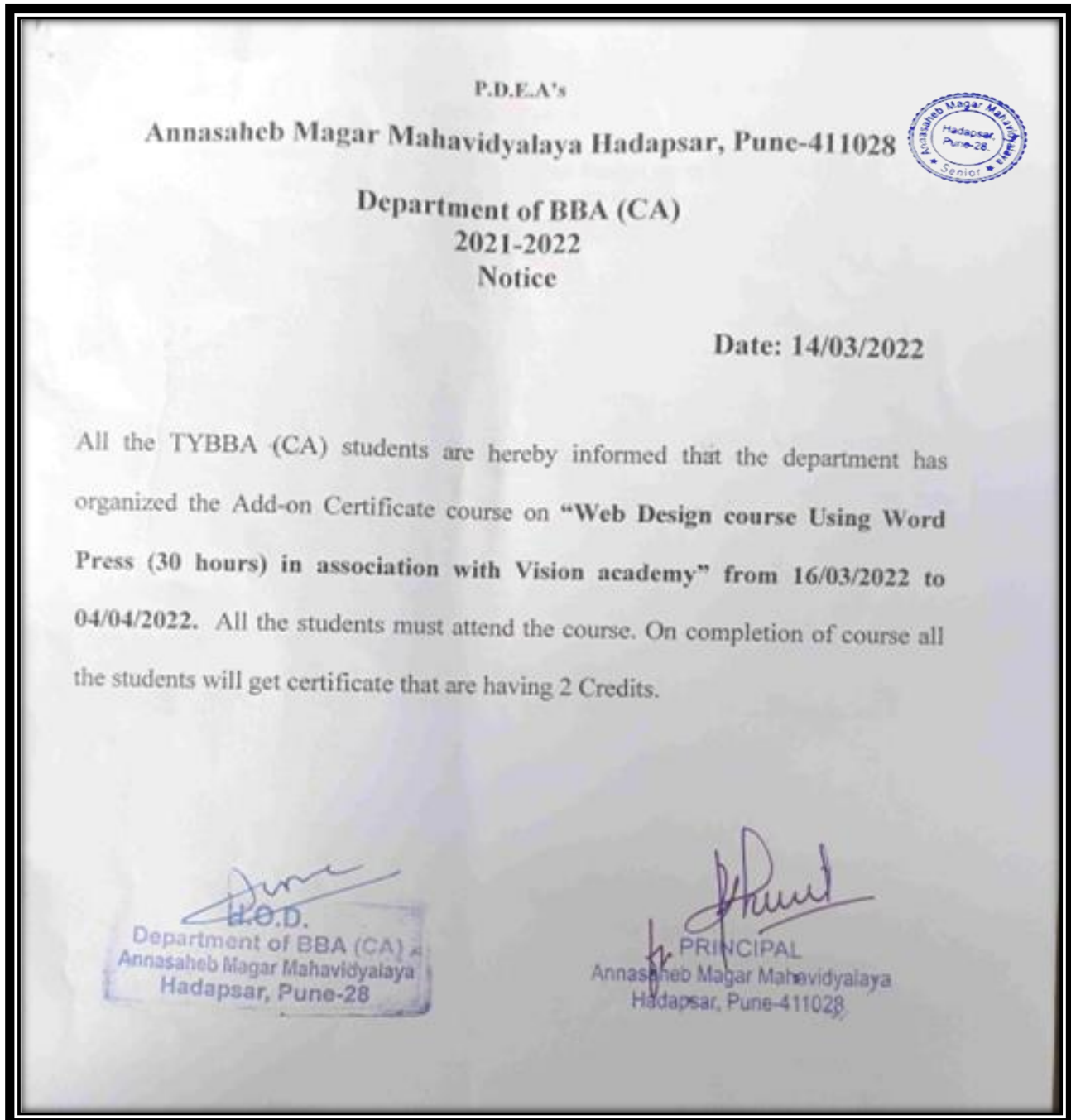






**Notice**  
**Web Design Course using Word Press**

**Timing: 1 PM to 3 PM: 2 Hour**  
**016/03/2022 to 04/04/2022 (15 × 2hr) = 30 hrs**



## Syllabus and Course Outcome

### Web Design course using Word Press

P.D.E.A'S  
Annasaheb Magar Mahavidyalaya, Hadapsar, Pune-28  
Department of BBA(CA)  
TYBBA(CA) Year-2021-22  
CERTIFICATE COURSE ON "Web Design Course Using word Press (30 hours)"

**Aim of the Course:-**

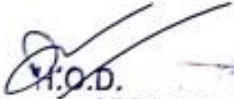
- To motivate the employment
- Gain knowledge about the current trends


**Course Objectives:**

1. Build your own beautiful website using Word Press.
2. Earn revenue through your website by monetizing your website.
3. Choose the right CMS.
4. Differentiate between types of Word Press.
5. Create your own local sever.
6. Download Word Press.
7. Creation of MySQL database on Local Server.
8. Install Word press on local server.

**Course structure**  
The certificate course comprises theory sessions through method of 30 lectures.


**Course Outcomes**  
After completion of this course students should understand the complete concept of Word Press and developed the web sites for different applications.

  
Y.O.D.  
Department of BBA (CA)  
Annasaheb Magar Mahavidyalaya  
Hadapsar, Pune-28





TimetableWeb Design course using Word Press

P.D.E.A'S  
Annasaheb Magar Mahavidyalaya, Hadapsar, Pune-28  
Department of BBA(CA)  
TYBBA(CA) Year-2021-22  
CERTIFICATE COURSE ON "Web Design using Word Press "  
16/03/2022 to 04/04/2022 ( 30 hours course)  
TIME TABLE 2021-2022



Sr.No.	DAY	DATE	TIME	NO.OF LECTURES
1	Wednesday	16/03/2022	01:00 a.m. to 03:00p.m.	2
2	Thursday	17/03/2022	01:00 a.m. to 03:00p.m.	2
3	Friday	18/03/2022	01:00 a.m. to 03:00p.m.	2
4	Monday	21/03/2022	01:00 a.m. to 03:00p.m.	2
5	Tuesday	22/03/2022	01:00 a.m. to 03:00p.m.	2
6	Wednesday	23/03/2022	01:00 a.m. to 03:00p.m.	2
7	Thursday	24/03/2022	01:00 a.m. to 03:00p.m.	2
8	Friday	25/03/2022	01:00 a.m. to 03:00p.m.	2
9	Saturday	26/03/2022	01:00 a.m. to 03:00p.m.	2
10	Monday	28/03/2022	01:00 a.m. to 03:00p.m.	2
11	Tuesday	29/03/2022	01:00 a.m. to 03:00p.m.	2
12	Wednesday	30/03/2022	01:00 a.m. to 03:00p.m.	2
13	Thursday	31/03/2022	01:00 a.m. to 03:00p.m.	2
14	Friday	01/04/2022	01:00 a.m. to 03:00p.m.	2
15	Monday	04/04/2022	01:00 a.m. to 03:00p.m.	2
<b>TOTAL =</b>				<b>30</b>

  
 D.O.D.  
 Department of BBA (CA)  
 Annasaheb Magar Mahavidyalaya  
 Hadapsar, Pune-28

  
 PRINCIPAL  
 Annasaheb Magar Mahavidyalaya  
 Hadapsar, Pune-411028

## Question Paper

### Web Design course using Word Press

P.D.E.A'S

Annasaheb Magar Mahavidyalaya, Hadapsar,Pune-28

Department of BBA(Computer Application)

TY BBA(CA) Year 2021-22

TEST- Web Design Course using WordPress

Total Marks-30



Date- 04/04/2022

Time 1.15 p.m. to 3.15 p.m.

Instruction: 1) All questions are compulsory.

2) All questions carry equal marks.

Q.1 WordPress is a \_\_\_\_.

- a. Content Management System      b. blogger  
c. Programming Language              d. All of above

Q.2 CMS stands for \_\_\_\_.

- a. Content Management System    b. Creator Management System  
c. Content Manager Source          d. None of these

Q.3. Which type of data can be stored in WordPress as media?

- a. 1 Text                                      b. Document  
c. Music                                        d. All of these

Q.4 Which of these is a feature of WordPress?

- a. User Management    b. Provides tools for Search Engine Optimization  
c. Contains multiple themes to style our website    d. All of these

Q. Which of these is an advantage of WordPress?

- a. PHP requirement      b. SEO tools make on-site SEO easier  
c. Frequent updates require multiple backup copies.    d. All of these

Q.6 Which WordPress type can be installed on a user's computer?

- a. WordPress.com                                      b. WordPress.org  
c. Both    d. None of these

Q.7 Which database is required by WordPress?

- a. MySQL    b. MongoDB  
c. RDB    d. None of the above

## Question Paper

### Web Design course using Word Press

Q.8 The Quick draft section in WordPress is used for \_\_\_\_.

- a. Creating mini-posts with titles and small details    b. Editing posts  
c. Creating pages    d. All of these



Q.9 Which of these is displayed using the WordPress news widget?

- a. Software version    b. Software updates  
c. Alerts    d. All of these

Q.10 Which of these are general settings of WordPress?

- a. Site title    b. Data format  
c. Time format    d. All of these

Q.11 What is the default post Category for WordPress?

- a. The first category added on WordPress    b. Uncategorized  
c. No category    d. None of these

Q.12 What is the current version of WordPress (Feb 2022)?

- a. 5.8.7    b. 5.9.1  
c. 2    d. None of the above

Q.13 Where can you find permalink settings in WordPress?

- a. Setting -> Permalinks    b. About -> Permalinks  
c. Tools -> Links -> Permalinks    d. None of these

Q.14 Which of these is an anti-spam plugin in WordPress?

- a. Akismet    b. Buddy Press  
c. WP Forms    d. None of the above

Q.15 Which of these is not a WordPress plugin for social media?

- a. WP Forms    b. Revive social  
c. Smash Ballon    d. All of above

**Result Analysis**  
**Web Design course using Word Press**

P.D. E'A

Annasaheb Magar Mahavidyalaya, Hadapsar, Pune-28

Department of BBA (Computer Application)

Academic Year 2021-2022

Result Analysis For

Certificate Course

In

**Web Design Course using Wordpress**

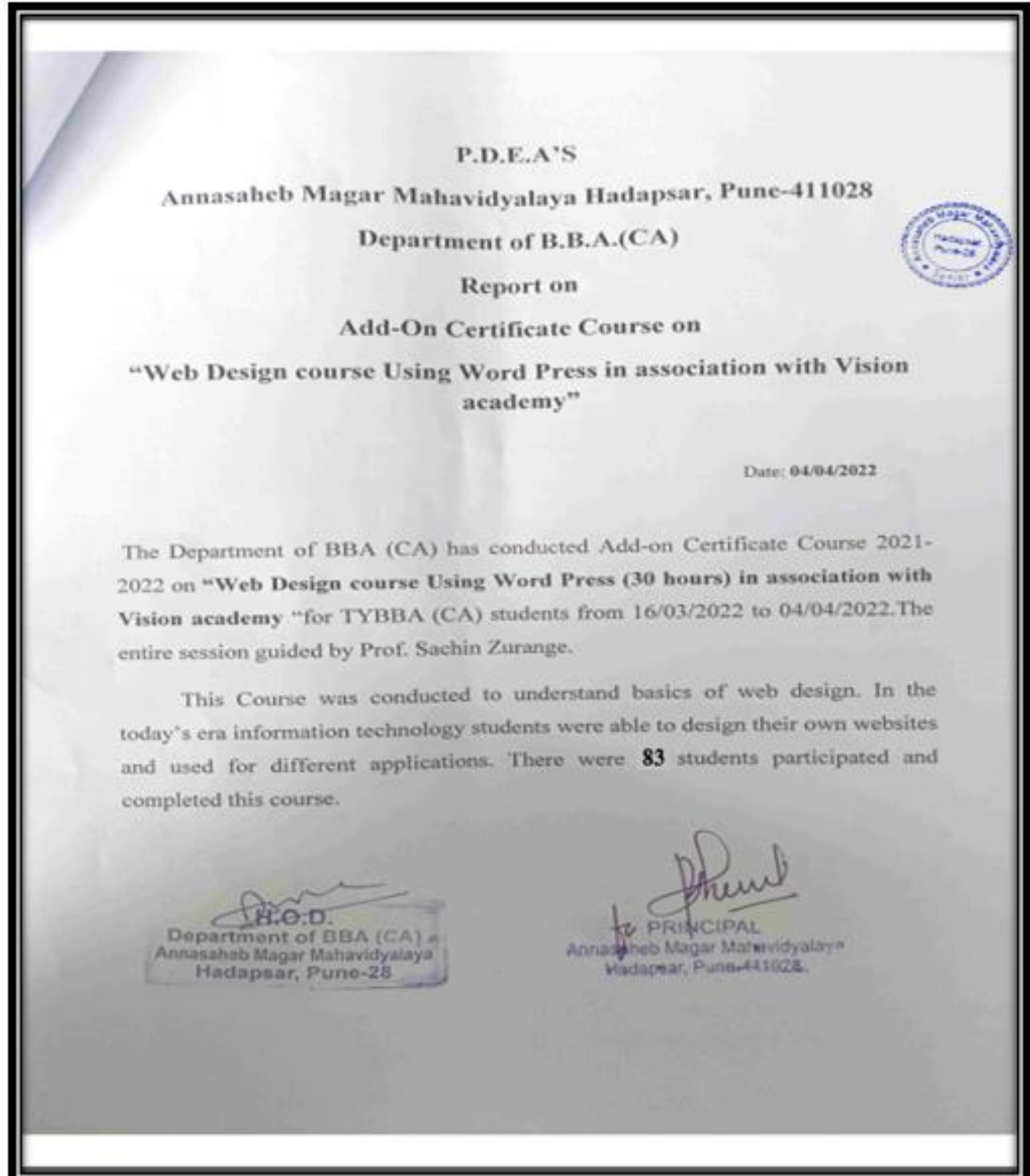


Total Student Enrolled		<b>83</b>
Total Student Appeared		<b>83</b>
Distinction	24 to 30 Marks	6
1 <sup>st</sup> Class	19 to 23 Marks	40
2 <sup>nd</sup> Class	12 to 18 Marks	35
Failed	11 and Less Marks	Nil
Passing Result		100%

  
P.D. E'A  
Department of BBA (CA)  
Annasaheb Magar Mahavidyalaya  
Hadapsar, Pune-28

## Report

### Web design course using Word Press








Notice  
Supply Chain Management

Timing: 8 am to 10 pm: 2 Hour  
**16/11/2021 to 03/12/2021 (15 × 2hr) = 30 hrs**

PDEAs  
Annasaheb Magar Mahavidyalaya, Hadapsar, Pune-411028  
Department of BBA

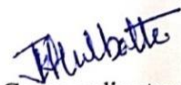



NOTICE

Date: 10/11/2021

All the SY BBA Students hereby informed that their certification Course on "Supply Chain Management" will be conducted from 16/11/2021 to 03/12/2021. Students who are interested to participate in certificate course can get enrolled before 15<sup>th</sup> Nov 2021.

Course code: BBA001  
Time: 8.00 am to 10.00 am  
Resource Person: Mrs. Hulbatte J.K.  
Date of Course: 6/11/2021 to 03/12/2021.

  
Co-coordinator

  
HOD

Syllabus  
Supply Chain Management

**PDEA, S**  
**Annasaheb Magar College, Hadapsar Pune-28**  
**Department of BBA**  
**“Certificate Course on Supply Chain Management”**



Syllabus

**Objectives:**

Supply Chain Management course gives depth knowledge of concept, issues, methods of Logistic and Inventory Management. To learn about Bull-Whip effect, Ripple Effect, the process of Work flow automation.

To learn about the functions of Supply Chain Management, Role of Information Technology (IT) in supply chain Management, Green Supply Chain Management, different strategies of warehousing.

**Topic No. 1**

**Introduction to Supply Chain Management**

- Concept of Supply chain management and Green Supply Chain management
- Objectives of SCM
- Importance of SCM
- Functions of SCM
- Process and types of SCM
- The concept of Bull-Whip effect, Ripple Effect,
- The process of Work Flow Automation
- Strategies of Warehousing
- 7 C's of supply chain management

Syllabus  
Supply Chain Management

**Topic No. 2**

**IT in Supply chain management**

- Information and communication technology in SCM
- Role of IT in SCM
- Best practices for implanting IT in supply chain.

**Topic No.3**

**Key Operation Aspect in Supply Chains**

- 5 key aspects of intelligent supply chain management
- Components of supply chain management
- Role of Human Resources in SCM.



*[Handwritten Signature]*  
Coordinator

*[Handwritten Signature]*  
HOD

## Course Outcome

### Supply Chain Management

#### ❖ Course Outcomes:

- 1) To inculcate the concepts of supply chain management & its importance.
- 2) To develop and manage relationship with suppliers to ensure a reliable and efficient supply of materials.
- 3) To develop analytical skills to assess and optimize supply chain process.
- 4) To analyze the transportation in supply chain management.
- 5) To enhance the skills regarding to the distribution network.
- 6) To understand online business model, digital marketing, strategies and E-commerce.
- 7) To develop thinking mindset in marketing mix model and its importance in Supply Chain Management.
- 8) To highlight the in designing a supply chain network.
- 9) To know factors affecting on network design network.
- 10) To evaluate barriers comes under the Supply Chain Management.
- 11) To understand the distribution network design option.



*J. K. Hulbatte*  
Co-ordinator

*Prakash*  
HOD

*J. Phule*  
Principal

Time-TableSupply Chain Management

PDEA'S

Annasaheb Magar Mahavidyalaya, Hadapsar, Pune-411028

Department of B.B.A 2021-22



Time Table: Certificate course on Supply Chain Management

Days	Date	Time	No of Lectures
Tuesday	16/11/2021	8.00am to 10.00am	1
Wednesday	17/11/2021	8.00am to 10.00am	1
Thursday	18/11/2021	8.00am to 10.00am	1
Saturday	20/11/2021	8.00am to 10.00am	1
Monday	22/11/2021	8.00am to 10.00am	1
Tuesday	23/11/2021	8.00am to 10.00am	1
Wednesday	24/11/2021	8.00am to 10.00am	1
Thursday	25/11/2021	8.00am to 10.00am	1
Friday	26/11/2021	8.00am to 10.00am	1
Saturday	27/11/2021	8.00am to 10.00am	1
Monday	29/11/2021	8.00am to 10.00am	1
Tuesday	30/11/2021	8.00am to 10.00am	1
Wednesday	01/12/2021	8.00am to 10.00am	1
Thursday	02/12/2021	8.00am to 10.00am	1
Friday	03/12/2021	8.00am to 10.00am	1
<b>Total</b>			<b>15</b>
			<b>15x2=30</b>

*K. Pullate*  
Coordinator

*P. D. D.*  
HOD



# Question Paper

## Supply Chain Management



- 6) SCM include.....
- A) Transportation                      B) Material handling  
C) Storage                                D) All the above
- 7) Now a day's organizations are paying attention SCM for .....
- A) Proper supply                        B) Value addition  
C) Transportation                      D) All the above
- 8) SCM now a day's providing .....to a customer.
- A) Transparency                        B) Production  
C) Storage                                D) None of these
- 9) When an organization owns its suppliers it is known as.....
- A) Downstream supplier collaboration  
B) Backward vertical integration  
C) Forward vertical integration  
D) Upstream supplier collaboration
- 10) Positive long-term relationships between supply chain participants refer to-----
- A) Co-operations                        B) Tailored logistics  
C) Partnership                            D) SCM
- 11) Which one of these was not mentioned in the list of recent trends in operation management.....
- A) TQM                                      B) Work involvement  
C) Global competition                D) Automation
- 13) Which of the following is NOT a benefit of SCM purchasing?
- A) Consistent quality                B) Saving on resources  
C) Lower costs                            D) Less dependence on suppliers



# Question Paper

## Supply Chain Management

14) The initial stage of the SCM process is the.....

- |                   |                     |
|-------------------|---------------------|
| A) Sourcing stage | B) Organizing stage |
| C) Planning stage | D) Directing stage  |

15) In supply chain management ATP stands for.....

- |                              |                         |
|------------------------------|-------------------------|
| A) Acquire track & perform   | B) Available to promise |
| C) Active transport protocol | D) Access to point      |



# Result Analysis

## Supply Chain Management



**PDEA'S**

**Annasaheb Magar Mahavidyalaya, Hadapsar, Pune-28**

**Department of BBA**

---

**Academic Year 2021-22**

**Result Analysis for**

**Certificate course**

**In**

**Supply Chain Management**

<b>Total Student Enrolled</b>	66
<b>Total Student Appeared</b>	66
<b>Passing Result</b>	100%

**Signature**

**(Course Co-ordinator)**

**Certificate course in Supply Chain Management**

# Report

## Supply Chain Management

PDEA's  
Annasaheb Magar Mahavidyalaya, Hadapsar, Pune-411028  
Department of BBA  
Report  
Certification Course for Students of SY BBA

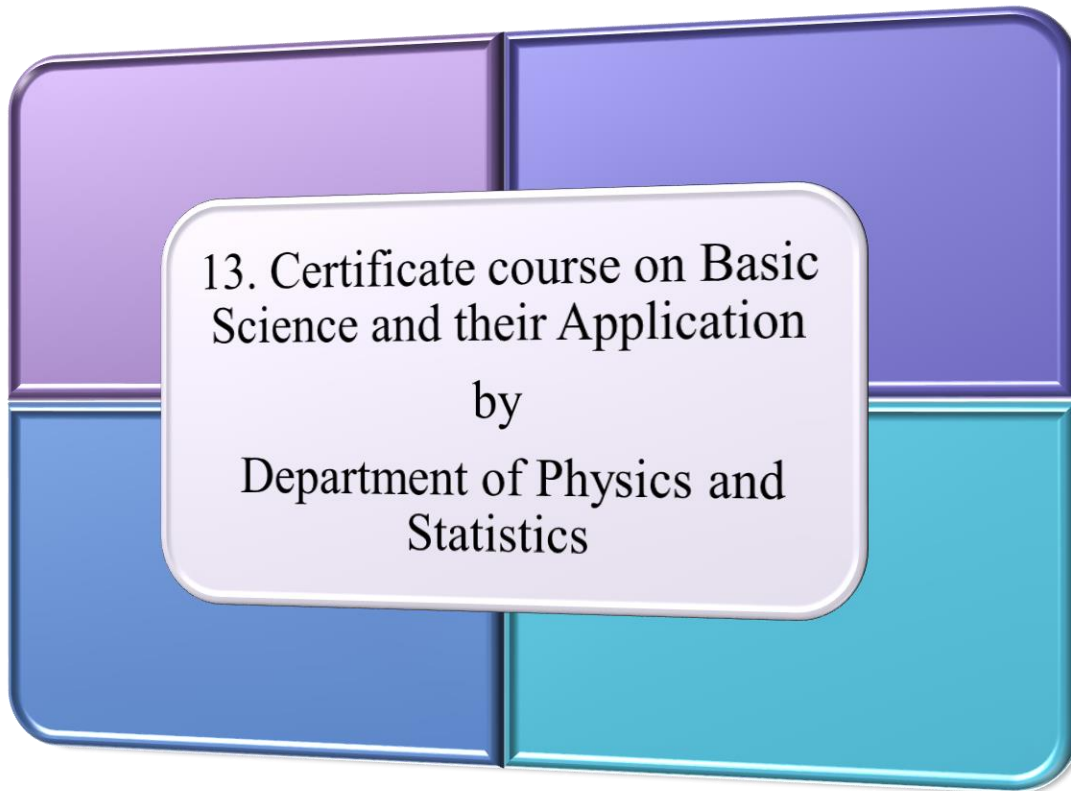


Date: 04/12/2021.

Department of BBA has conducted Certificate Course 2021-2022 on "Supply Chain Management" for SYBBA students from 16/11/2021 to 03/12/2021. This course was conducted to understand participant to sharpen their skill to leverage the advantage of proper supply chain Logistic Management. Also the course makes the students aware about the various management program & the importance of channel of distribution in business in Modern era. There were 66 students participated and completed the course.

*Shubhatte*  
Coordinator

*Olak*  
H.O.D.



**Notice****Basic Science and their Application****Timing: 2.45 pm to 3.45 pm: 2 Hour****01/02/2022 to 07/05/2022 (15 × 2hr) = 30 hrs****P.D.E.A's****Annasaheb Magar Mahavidhyalaya, Hadapsar, Pune – 28****Department of Physics and Statistics****Academic Year 2021 – 2022****Notice**

All the students of F.Y. B.Sc. are hereby informed that as per the guidelines of Savitribai Phule Pune University Pune, Department of Physics and Statistics are jointly design a Choice Based Credit System (CBCS) Certificate Course on “**Basic Science and their application**”. This course will be conducted from **01/02/2022**.

All the students be present for the lectures as displayed on Notice board.


**Head**  
Department of Physics  
Annasaheb Magar College,  
Hadapsar Pune-28


**Head,**  
Department of Statistics,  
Annasaheb Magar Mahavidyalaya,  
Hadapsar, Pune-28.


## Syllabus

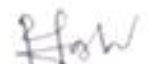
### Basic Science and their Application


8. Syllabus	
<b>Basic Science and their Applications</b>	
In collaboration of Department of Physics and Statistics	
<b>I. Physics</b>	<b>(20P)</b>
1. Introduction to complex numbers	(1P)
2. Rectangular, polar and exponential forms of complex numbers	(1P)
3. Definition of partial differentiation	(1P)
4. Successive differentiation	(1P)
5. Total differentiation	(1P)
6. Degree, order, linearity and homogeneity of differential equation	(1P)
7. Practical of Krichhoff's Voltage Law and Krichhoff's current Law	(2P)
8. Number System: Binary, Binary coded Decimal (BCD), Octal, Hexadecimal	(1P)
9. Practical of Basic Logic gates (OR, AND, NOT)	(2P)
10. Definitions of linear Simple Harmonic Motion (S.H.M) and angular S.H.M	(1P)
11. Equation for longitudinal waves and it's solution	(2P)
12. Equation for transverse waves and it's solution	(1P)
13. Introduction to lenses and sign conventions	(1P)
14. Practical on angle of prism	(2P)
15. Monochromatic aberration and chromatic aberration	(2P)
<b>II. Statistics</b>	<b>(10P)</b>
1. Introduction to R Software	(5P)
2. Practical using R software	(5P)

  
 Co-ordinator

  
 Head,  
 Department of Statistics,  
 Annasaheb Magar Mahavidyalaya  
 Hadapsar, Pune-28

  
 Head  
 Department of Physics  
 Annasaheb Magar College  
 Hadapsar, Pune-28

  
 IOAC Co-ordinator  
 IOAC Committee  
 Annasaheb Magar Mahavidyalaya,  
 Hadapsar, Pune-28.

  
 PRINCIPAL  
 Annasaheb Magar Mahavidyalaya  
 Hadapsar, Pune - 411 028

## Course Outcome

### Basic Science and their Application



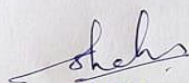
P.D.E.A's

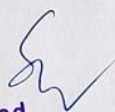
Annasaheb Magar Mahavidhyalaya, Hadapsar, Pune – 28  
Department of Physics and Statistics  
Academic Year 2021 - 2022

Certificate course on  
“Basic Science and their Applications”

Course Outcome:

- CO1: Remember the fundamental concept in Physics and Statistics.
- CO2: Able to understand various principle, laws and mechanism of physics and statistics.
- CO3: To analyze the critical phenomena of experimental and computational tool.
- CO4: To apply the knowledge through problem solving, seminars and tutorials.

  
Head  
Department of Physics  
Annasaheb Magar College  
Hadapsar Pune-28

  
Head,  
Department of Statistics,  
Annasaheb Magar Mahavidyalaya,  
Hadapsar, Pune-28.

## Time-Table and work distribution


### Basic Science and their Application

PDEA's

**Annasaheb Magar Mahavidyalaya, Hadapsar Pune - 28**

In Collaboration Department of Physics, Statistics  
Certificate Course in "Basic Science and their Applications "

Time Table & Workload Distribution ( 2021- 2022)


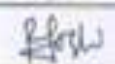
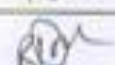
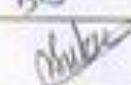



S.No.	Name of Teacher	Department	Date	Time
1	Prof. Shah S. S.	Physics	01.02.2022	2.45 pm to 3.45 pm
2	Prof. Shah S. S.	Physics	02.02.2022	2.45 pm to 3.45 pm
3	Prof. Shah S. S.	Physics	03.02.2022	2.45 pm to 3.45 pm
4	Dr. Joshi R. P.	Physics	21.02.2022	2.45 pm to 3.45 pm
5	Dr. Joshi R. P.	Physics	22.02.2022	2.45 pm to 3.45 pm
6	Dr. Joshi R. P.	Physics	23.02.2022	2.45 pm to 3.45 pm
7	Dr. Mene R. U.	Physics	08.03.2022	2.45 pm to 3.45 pm
8	Dr. Mene R. U.	Physics	09.03.2022	2.45 pm to 3.45 pm
9	Dr. Mene R. U.	Physics	10.03.2022	2.45 pm to 3.45 pm
11	Prof. Shah S. S.	Physics	14.03.2022	2.45 pm to 5.45 pm
13	Dr. Joshi R. P.	Physics	16.03.2022	2.45 pm to 5.45 pm
14	Prof. Gujarathi S. G.	Statistics	19.03.2022	8.30 am to 11.00am
15	Prof. Gujarathi S. G.	Statistics	22.03.2022	2.45 pm to 3.45 pm
16	Prof. Gujarathi S. G.	Statistics	24.03.2022	2.45 pm to 3.45 pm
17	Prof. Gujarathi S. G.	Statistics	26.03.2022	2.45 pm to 3.45 pm
18	Prof. Gujarathi S. G.	Statistics	25.04.2022	2.45 pm to 3.45 pm
19	Prof. Gujarathi S. G.	Statistics	26.04.2022	8.30 am to 11.00am
20	Prof. Gujarathi S. G.	Statistics	27.04.2022	2.45 pm to 3.45 pm
21	Prof. Sutar S. V.	Physics	28.04.2022	2.45 pm to 3.45 pm
22	Prof. Sutar S. V.	Physics	04.05.2022	2.45 pm to 3.45 pm
23	Prof. Sutar S. V.	Physics	05.05.2022	2.45 pm to 3.45 pm
24	Prof. Sutar S. V.	Physics	06.05.2022	2.45 pm to 3.45 pm
25	Prof. Sutar S. V.	Physics	07.05.2022	2.45 pm to 3.45 pm





## Time-Table and work distribution


### Basic Science and their Application

Name of the Teacher		TH	Sign.
SSS	S.S. Shah	6	
RPJ	R.P. Joshi	6	
RUM	R. U. Mene	3	
SVS	S.V. Sutar	5	
SGG	S.G.Gujarathi	10	
Total Workload		30	

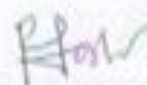
  


  
 Co-ordinator


  
 Head  
 Department of Statistics,  
 Annasaheb Magar Mahavidyalaya  
 Hadapsar, Pune-28

  
 Head  
 Department of Physics  
 Annasaheb Magar College  
 Hadapsar Pune-28

  
 IOAC Committee  
 Annasaheb Magar Mahavidyalaya,  
 Hadapsar, Pune-28.

  
 Annasaheb Magar Mahavidyalaya  
 Hadapsar, Pune-28  
 Senior

  
 PRINCIPAL  
 Annasaheb Magar Mahavidyalaya  
 Hadapsar, Pune - 411 028.

# Question Paper

## Basic Science and their Application



P.D.E.A.'s  
Annasaheb Magar Mahavidyalaya, Hadapsar, Pune – 411 028  
Department of Physics and Statistics  
Academic Year 2021-2022

Examination of Certificate Course in  
“Basic Science and their Applications”

Time: 90 min

Marks: 30 marks

Instructions: All questions are compulsory.  
Each question carries 5 marks.

Q.1) What is complex number? If  $z = 9 - 4j$  write the polar and exponential form of complex number  $z$ .

Q.2) What is number system?

Find the binary number and hexadecimal number of following decimal number

a)  $(34)_{10}$  b)  $(118)_{10}$

Q.3) Find equation for transverse wave and write its solution.

Q.4) Derive the expression of monochromatic abbreviation.

Q.5) What are the types of lenses? And Give its sign convention.

Q.6) What is R software and write its advantages and disadvantages.

# Result Analysis

## Basic Science and their Application





**P.D.E.A.'s**  
**Annasaheb Magar Mahavidyalaya, Hadapsar, Pune – 411 028**  
**Department of Physics and Statistics**  
**Academic Year 2021-2022**

**Course Assessment**  
**“Basic Science and their Applications”**

Department of will conduct 30 Marks Examination. Nature of the Examination will be descriptive type question. After Examination, Evaluation of answer sheets will provide Certificate to Passed Students.

<b>Total No. of Students Enrolled</b>	<b>76</b>
<b>Total No. of Students Appeared</b>	<b>76</b>
<b>Total No. of Passed Students</b>	<b>76</b>
<b>Passing Percentage Result</b>	<b>100%</b>

  
 Head  
 Department of Physics  
 Annasaheb Magar College  
 Hadapsar Pune-28

  
 Head,  
 Department of Statistics,  
 Annasaheb Magar Mahavidyalaya,  
 Hadapsar, Pune-28.



## Report

### Basic Science and their Application




P.D.E.A's

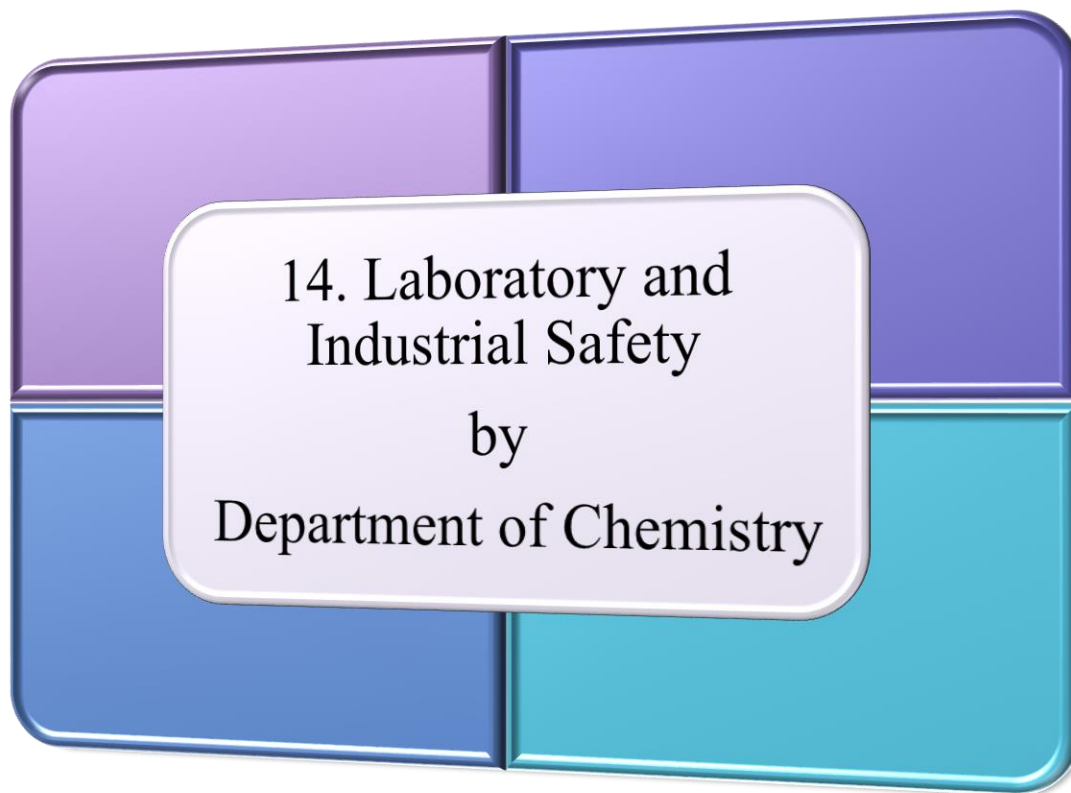
**Annasaheb Magar Mahavidhyalaya, Hadapsar, Pune – 28**  
**Department of Physics and Statistics**  
**Academic Year 2021 – 2022**

### Report

Department of Physics and Statistics has conducted certificate course on "Basic science and their applications" of 30 hr. from 01/02/2022 to 07/05/2022. 76 students successfully completed this certificate course.

  
Head  
Department of Physics  
Annasaheb Magar College,  
Hadapsar, Pune-28

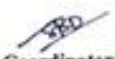
  
Head,  
Department of Statistics,  
Annasaheb Magar Mahavidyalaya,  
Hadapsar, Pune-28.





**Notice with syllabus**  
**Laboratory and Industrial safety**

**Timing: 10 am to 1 am: 3 Hour**  
**11/04/2022 to 12/05/2022 (10 × 3hr) = 30 hrs.**

PDEA's	04/04/2022
<b>Annasaheb Magar College, Hadapsar, Pune-28</b>	
<b>NOTICE</b>	
<b>Certificate course on 'Laboratory &amp; Industrial safety'</b>	
<p>All the students of T.Y.B.Sc. Chemistry are hereby informed that, the department of chemistry is going to organize a certificate course on 'Laboratory &amp; Industrial safety', from 11<sup>th</sup> April to 11<sup>th</sup> May 2022 . All the students of T.Y.B.Sc. Chemistry will going to attain the course as per time table. This course will be very useful in Industries and laboratories work.</p>	
<b>Syllabus of certificate course:-</b>	
Sr.no.	<b>Modules</b>
1.	Introduction and culture of Laboratory safety.
2.	Standard Laboratory facilities
3.	Awareness of chemical safety data sheet.
4.	Personal Protective equipments
5.	Types of hazards, accidents and their causes
6.	Methods of avoiding accident and disaster management
7.	Fire detection system
8.	Fire Prevention and firefighting equipments
9.	Inventory management – Storage and disposal
10.	Do's and Don't

  
**Coordinator**

  
**HOD Head**  
 Department of Chemistry  
 Annasaheb Magar Mahavidyalaya  
 Hadapsar, Pune-411028.

  
**Principal**  
 Annasaheb Magar Mahavidyalaya  
 Hadapsar, Pune-411028.

## Course Outcome

### Laboratory and Industrial safety

PDEA's

**Annasaheb Magar College, Hadapsar, Pune-28**  
**Certificate course in Laboratory & Industrial safety**  
**Course Outcome – 2021-22**

Sr.no.	Course Outcome
CO.1	Students should become familiar with chemical laboratory, chemicals and equipments.
CO.2	To raise the awareness about hazardous chemicals and precautions while handling these.
CO.3	To train them for Fire Prevention and firefighting equipments to control any accident due to fire.
CO.4	How to protect themselves and their colleague while working in laboratory.
CO.5	Students should know methods of avoiding accident and disaster management in laboratory.

  
Course  
Co-coordinator



  
HOD  
Head  
Department of Chemistry  
Annasaheb Magar Mahavidyalaya  
Hadapsar, Pune-411028.

## Time-Table with Syllabus

### Laboratory and Industrial safety

PDEA's

**Annasaheb Magar College, Hadapsar, Pune-28**

**Certificate course in Laboratory & Industrial safety**



**Time- Table (2021-22)**

Sr.No.	Day & Date	Time	Topic	Resource Person
1	11/04/2022 Monday	10.00 am -1.00pm	Inauguration & Introduction and culture of Laboratory safety.	Dr. Dilip Sathe
2	12/04/2022 Tuesday	10.00 am -1.00pm	Standard Laboratory facilities	Dr. Dilip Sathe
3	13/04/2022 Wednesday	2.00 pm - 5.00 pm	Awareness of chemical safety data sheet.	Prof. S.B. Dhotre
4	16/04/2022 Saturday	2.00 pm - 5.00 pm	Personal Protective equipments	Dr. N.N. Bhujbal
5	18/04/2022 Monday	2.00 pm - 5.00 pm	Types of hazards, accidents and their causes	Prof. Awasare D.B.
6	19/04/2022 Tuesday	2.00 pm - 5.00 pm	Methods of avoiding accident and disaster management	Prof. S.L. More
7	07/05/2022 Saturday	10.00 am -12.30pm & 12.45 pm -2.15pm	Fire detection system And Safety in industrial lab.	Nilesh Takale
8	09/05/2022 Monday	2.00 pm - 5.00 pm	Fire Prevention and firefighting equipments	Prof. Snehal Shipalkar
9	10/05/2022 Tuesday	2.00 pm - 5.00 pm	Inventory management – Storage and disposal	Prof. S.P. Shinde
10	11/05/2022 wednesday	2.00 pm - 4.00 pm	Do's and Don't & Valedictory Function	Prof. S.B. Dhotre

  
Coordinator

  
HOD  
Head

  
Principal  
Principal

Department of Chemistry Annasaheb Magar Mahavidyalaya  
Annasaheb Magar Mahavidyalaya Hadapsar, Pune-411028.  
Hadapsar, Pune-411028.



# GPS Map Photograph

## Laboratory and Industrial safety



# Question Paper

## Laboratory and Industrial safety



P.D.E. A'S

Annasaheb Magar Mahavidyalaya, Hadapsar.Pune-28

Department of Chemistry.

Certificate Course in "Laboratory Safety and Industrial Safety"

Year-(2021-2022)

Time 1 hr

Marks 25

Instructions:1) All Questions Are Compulsory.

2) Each Question Carries 5 marks.

3) Draw neat Diagrams whenever necessary.

Q.1) Answer the Following in Brief. (Any Five)

(5 marks each)

I) Explain uses of fire extinguisher.

II) Explain How to handle concentrated acids.

III) Write any two methods of disposal of hazardous material.

IV) Write a note on good laboratory practices.

V) Explain How to handle concentrated acids.

VI) Write short note on Lab safety.

# Course Assessment

## Laboratory and Industrial safety

### Course Assessment:-

Department will conduct Examination. Nature of examination will be MCQ as well as descriptive questions. After examination and evaluation of answer sheets department will provide certificate to passed students.



M.M. Jagtap

Coordinator



Head  
Dept. of Chemistry  
Annasaheb Magar Mahavidyalaya  
Hadapsar, Pune-411028

## Report

### Laboratory and Industrial safety

PDEA's

**Annasaheb Magar College, Hadapsar, Pune-28**

**Certificate course on Laboratory & Industrial safety**

**Report- 2021-2022**



A Certificate course of 30 hrs and 2 credits was organized for students of T.Y.B.Sc. by the department of chemistry on the topic "Laboratory & Industrial safety".

Duration: - From 11 April 2022 to 11 May 2022

Students Participated :- 63

The certificate course was inaugurated at the hands of guest Dr. Dilip Sathe Ex faculty, Environmental sciences, SPPU, Dr. N.N. Bhujbal, HOD Of Chemistry Dept., Prof. Dhotre S.B. Coordinator of the course., prof. Awasare D.B., Prof. More S.L., Prof. Jagtap S.B., Prof. Snehal Shipalkar and Prof. Shweta Shinde.

The First lecture was delivered by Dr. Dilip Sathe, Sr. Scientist, Ex. Faculty, Dept. of Environmental Sciences, S.P.P.U. Pune on the topic Introduction and culture of Laboratory safety on 11 April 2022.

The second lecturer was also delivered by Dr. Dilip Sathe on the topic Standard Laboratory facilities on 12 April 2022.

The lecture on the topic 'Fire detection system And Safety in industrial lab' was delivered by Mr. Nilesh Takale, Sr. Research Fellow, MCURE Ltd., Pune.

The remaining lectures, Demo, Practical work was taken by faculty members of department of chemistry as per time table.

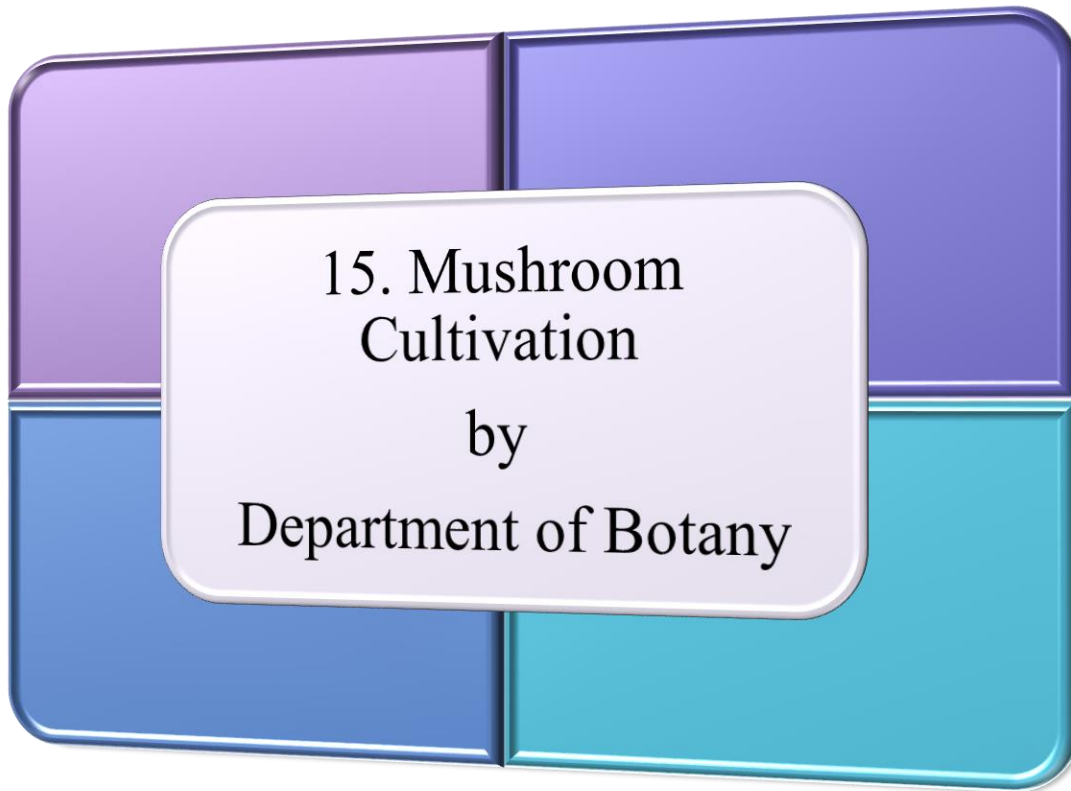
All the students were given certificate after completion of the course. The course will be very help full to students at time of joining of Industry or any Laboratory. The course will be a plus point to their Biodata. The course is of 2 credit, so they can take 2 credits as per CBCS pattern of SPPU.

  
Course Coordinator

  
IQAC Co-ordinator  
IQAC Committee  
Annasaheb Magar Mahavidyalaya,  
Hadapsar, Pune-28.

  
HOD  
Head  
Department of Chemistry  
Annasaheb Magar Mahavidyalaya,  
Hadapsar, Pune-411028.

  
Principal  
Principal  
Annasaheb Magar Mahavidyalaya,  
Hadapsar, Pune-411028.



15. Mushroom  
Cultivation  
by  
Department of Botany

## Notice

### Mushroom Cultivation

**29/10/2021 to 13/05/2022 = (30 days' x 1 hr.) 30hrs**

**Date: 25.10.2021**

**P.D.E.A.s**

**Annasaheb Magar Mahavidyalaya, Hadapsar, Pune -411028**



#### Notice

All students from our F.Y. B. Sc are hereby informed that from **29.10.2021** Department of Botany organizing online "**Certificate Course in Mushroom Cultivation**". This course is free of cost for all students from our college. All students should enroll their names as early as possible in the department of Botany before **29.10.2021**.

The Certificates will be provided to the students with 100% attendance. All students have to submit the report of the mushroom cultivation at the end of the course.

IQAC Co-ordinator

**DR. Joshi R.P**  
**Co-ordinator**  
**IQAC Committee**  
Annasaheb Magar Mahavidyalaya,  
Hadapsar, Pune-28.

Asst. Co-ordinator

Dr. Shirurkar D.D.

Co-ordinator

Dr. Kiran Ranadive

Head

Head  
Department  
Annasaheb Magar Mahavidyalaya,  
Hadapsar, Pune - 28

# Allotment of Work

## Mushroom Cultivation

**PDEA's Annasaheb Magar Mahavidyalaya**  
**Guest lecture for students / Activity Audit Report Year 2021-2022**  
**Department of Botany**  
**Duration : 29/10/2021 to 13/05/2022**



1. Title of Workshop: "Certificate course in mushroom cultivation"
2. Occasion: Birthday celebration of Hon. Sharadchandrajji Pawar.
3. Names of the resource person: Dr. Shirurkar D.D, Dr. Ranadive K. R. and Dr. Danai-Tambhale S.D.
4. Names of students of core committee : F.Y.B.Sc , S.Y.B.Sc & T.Y.B.Sc
5. Attach list of student members of the activity group (Faculty Wise and Degree/ Junior):  
Attendance list attached.
6. Aims and objectives of the Lecture :  
To generate the awareness about commercial mushroom cultivation.
7. Was the activity calendar prepared? Yes / No: Yes
8. Functions / duties allotted to committee members

1.	Welcome committee:	Dr. Shirurkar D.D.
2.	Organization Committee:	Dr. Ranadive K.R & Dr. Danai-Tambhale S.D.
3.	Hall arrangement committee:	Dr. Danai-Tambhale S.D.

9. Whether other members were co-opted? Yes/No if yes, list names and duties allotted. :  
N.A
10. Participation of audience  
 No. of Students: 60 (Boys -30, Girls – 30)  
 No. of Staff: 03  
 No. of Committee Members: 03
11. Activity report submitted to
  - a) Principal / Vice Principal / Registrar: Yes
  - b) HODS for monthly report : Yes
  - c) Magazine : Yes
  - d) IQAC: Yes
12. Mode of feedback from students/teacher and action taken on it to improve.

# Allotment of work

## Mushroom Cultivation

Students express their opinions orally after lecture.

- 13. How do your activities contribute to the mission and vision of the institution?  
It helped to improve knowledge regarding scientific sketching, drawings and labelling.
- 14. Suggestions, if any  
N.A
- 15. Photographs



IQAC Co-ordinator

DR. Joshi R.P  
Co-ordinator  
IQAC Committee  
Annasaheb Magar Mahavidyalaya,  
Hadapsar, Pune-28.

Asst. Co-ordinator

Dr. Shirurkar D.D.

Co-ordinator

Dr. Kiran Ranadive

Head  
of Department  
Annasaheb Magar Mahavidyalaya,  
Hadapsar, Pune - 28



## Guidelines

### Certificate course in Mushroom Cultivation

29/10/2021 To 13/05/2022 = 30 Hours

#### Annasaheb Magar Mahavidyalaya

Hadapsar, Pune-411028, Maharashtra, India



#### “Certificate Course in Commercial Mushroom Cultivation” 2021-2022

1. The Certificate Course in Commercial Mushroom Cultivation” is focused on providing undergraduate studies which would be aimed at incorporating special occupation role along with broad based general education.

The programme is structured as follows

Sr. No.	Award	Duration
1.	Certificate Course in Commercial Mushroom Cultivation	29/10/2021 to 13/05/2022 (03 Months)

#### 2. Vision-

The institute aims to be center of excellence in training, research, outreach and consultancy services in mushroom cultivation technology. The institute is situated at the border of Pune city and agricultural land. As we all know that because of the COVID -19, World is facing the problems in almost all areas. Just to boost the immunity one must keep the habit of consuming mushrooms for good immunity. Through this course we will be able to provide the students a basic as well as applied technology of mushroom cultivation which will make them stand on their own feet at the same time can develop the self-dependent individuals. The mushroom cultivation technology may provide one area which may fulfill the global needs of food.

#### 3. Mission

The Certificate course Programme in Commercial Mushroom Cultivation will be aimed to create and share knowledge to ensure safe, healthy and self-dependent business for the betterment of the human beings. The education and training will supports the well being and prosperity of people as well as the environment.

#### 4. Objectives-

## Guideline

# Mushroom Cultivation

- To ensure students have adequate skills, make them work ready, enhance employability of students, and thus make them part of global workforce.
- To incorporate requirements of various mushroom industries into its curriculum.
- To provide adequate education, training, research and development services in the 'Mushroom industry'.
- To identify and provide the skills required by the 'Mushroom industry'.
- To create, select and apply appropriate processing technology/techniques, resources, modern processing tools to improve the quality, safety and the shelf life of mushrooms.
- To conduct and undertake investigations of problems of including design of processing technology for various type mushroom food, mushroom food quality and safety aspects and interpretation of data in order to provide valid conclusions.
- To award the Certificate Course in Commercial Mushroom Cultivation"from Savitribai Phule Pune University.



### 5. Teaching Methods proposed

The certificate course will imply variety of Teaching aids to enhance the student 'skills:

#### 5.i.Lecture Methods

- Lectures will be there per week with a dedicated trainers and industrialists for each course.

#### 5.ii.Laboratory Work

There is practical course assigned to each month of study. Twelve lectures can be conducted per week. The practical course and project will be related to innovative methods in mushroom cultivation for better understanding of concepts.

#### 5 iii. Experiential Learning

Field trips will be arranged for the students for visual understanding of actual process in industrial food processing. Students also undergo internships in mushroom cultivation units from which they learn every details of mushroom cultivation at industrial level in mushroom technology.

#### 5. iv. Participative Learning

Participative learning methodology will be conducted for the holistic development of the students. These activity-based learning modes will involve:

- Group discussion on various syllabus related topics

# Guideline

## Mushroom Cultivation

- Debate on relevant topics like Mushroom and health, medicinal mushroom, mushroom in diet.
- Seminar and extempore for presentation of topics from syllabus
- Quiz on Quality control in Mushroom technology



### 5. v. ICT in Teaching-Learning

- LCD projector with white board and LCD TV facility will be provided for better understanding of syllabus contents.
- PowerPoint presentations will be employed for teaching purposes. Video lectures by different eminent teachers will be made available to the students during practical sessions.
- Computer interfaced experiments are planned for the faculty and students as to learn industrial applications.

### 5.vi. Google classroom

- Google classroom facility is used by the faculty. Enrollment of students for the google classroom will be accomplished. Sharing of teaching-learning material and PowerPoint presentations will be attained through google classroom.

### 6.Evaluation Methods

The evaluation of progress of students is being planned by regular classroom tests, group discussions and presentations by the mentors. Assigned. In midst of COVID19 situation, MOODLE platform is being prepared for teaching, learning and evaluation process.

### 7. Mushroom Industries for undergoing Industrial Training:

a. Vaishnavi Agro Farm, Hadapsar

### 8. Intended learning outcomes of the course

The Intended Learning Outcomes(ILO's) are listed under three headings:

i. Knowledge and Understanding

ii. Practical Skills and

li. Capability/Transferable Skills

- i. Knowledge and Understanding of:
  - the importance of safety regulations, cost control and labor laws
  - the safe, healthy and appealing food supply
- ii. Practical Skills

## Structure and syllabus

### Mushroom Cultivation

- Use modern technology for the creation of innovative culinary products for the global scenario
- Plan, market and execute the application of principles of nutrition, cost and quality control
- **iii.Capability/Transferable Skills**
  - Develop a project report for a modern food technology set up
- **Manage operations, finances and accounting and tax calculations**
  - Communicate effectively and handle emergency situations
  - Effectively Deal with customers
  - Build team and manage team



#### Structure and Syllabus of Certificate course

##### Certificate Course in Commercial mushroom Cultivation 2021-2022

**Title :** Certificate Course in Commercial mushroom Cultivation

Under Faculty of Science

**Year of implementation:** Syllabus will be implemented in academic year 2021-2022

**Duration:** Certificate course (03 Months)

**Eligibility for Admission:** B.Sc.

**Pattern of Examination:** Semester Pattern

• Theory Examination – At the end of semester as per Savitribai Phule Pune University, Pune-411007, Rules and Regulations

• Practical Examination – i) During the 1<sup>st</sup> semester of Certificate Course in Commercial mushroom Cultivation there will be internal assessment of practical record, related report submission, internal and external practical and project reports at the end of semester.

**Medium of Instruction:** English / Marathi

**Structure of Course:** Certificate Course in Commercial mushroom Cultivation (Under NSQF). One Project and Industry Visit in 1<sup>st</sup> term and 2<sup>nd</sup> Term/semester

#### Scheme of Examination

A) Theory

- The theory examination shall be at the end of semester.

## Structure and syllabus

### Mushroom Cultivation

- All the general theory papers shall carry 40 marks and all vocational theory papers shall carry 50 marks.



- Evaluation of the performance of the students in theory shall be on the basis of semester examination as mentioned above.

- Question paper will be set in the view of entire syllabus preferably covering each unit of the syllabus.

- **Nature of question paper for Theory**

- i. There will be seven questions carrying equal marks.

- ii. Students will have to solve any five questions.

Q. No. 1 : Short answer type question with internal choice (Two out of Three )

Q. No. 2 to Q. No. 6 : Long answer type questions

Q. No. 7 : Short Notes with internal choice ( Two out of Three )

**B ) Practical:** Evaluation of the performance of the students in practical shall be on the basis of semester examination ( Internal assessment at the end of Semester I and II and external examination at the end of Semester I and II as mentioned separately in each paper.

## Structure and syllabus

## Mushroom Cultivation

### Certificate Course in Commercial mushroom Cultivation

#### Proposed Course Structure (2020-2021)


#### Credit Distributions



Sr. No.	Name of the course	Credits	Contact sessions-Theory	Contact sessions-Practical	Total Credits
1	CCMC-01- Introduction to Mushrooms and technology, Mushroom science, History and Present scenario, Basics of Mushroom Cultivation, Preparation of Pure Culture and Spawn	01	05	-	01
2	CCMC-02- How to develop the infrastructure for cultivation? , Low cost mushroom farm design for Indian conditions, Preservation technology of mushroom, Methods of Composting, Mushroom Transportation and shelf life , Mushroom quality enrichment		05	-	
3	CCMC-03- Medicinal mushroom and its nutritional values, Mushroom Crop Management, Cultivation Methods of <i>Pleurotus</i> , Cultivation Methods of <i>Agaricus bisporus</i> , Cultivation Methods of <i>Auricularia</i> , Cultivation Methods of <i>Voivariella volvacea</i>		05	-	
4	CCMC-04- Practical's based on <i>Pleurotus</i> , <i>Agaricus bisporus</i> , <i>Auricularia</i> , <i>Voivariella volvacea</i> , Mushroom recepies, Mushroom products	01	-	05	01
5	CCMC-05- Industrial Visit1 and 2		-	05	
6	CCMC-06- Mushroom survey of the sellers, Marketing skills in mushroom cultivation, Harvesting skills in mushrooms, Drying skills in mushroom technology		-	05	
	<b>Total</b>	<b>02</b>	<b>15</b>	<b>15</b>	<b>02</b>

  
IOAC Co-ordinator

DR. Joshi R.P.  
Co-ordinator  
IOAC Committee  
Annasaheb Magar Mahavidyalaya,  
Hadapsar, Pune-28.

  
Asst. Co-ordinator

Dr. Shirurkar D.D.

  
Co-ordinator

Dr. Kiran Ranadive

  
Head

Head  
Department of  
Annasaheb Magar Mahavidyalaya,  
Hadapsar, Pune - 28

## Course Outcome

# Mushroom Cultivation

**P.D.E.A's**  
**Annasaheb Magar Mahavidyalaya, Hadapsar.**  
**Pune 411028**



**Department Of Botany**

**Certificate Course in Mushroom Cultivation.**

### **CO's**

- Students can start small scale industry of Mushroom cultivation.
- Students study the morphology and types of Mushrooms.
- They are aware of the identification of edible and poisonous Mushrooms.
- Students will be able produce spawn on their own.
- Learned the prospects and scope of mushroom cultivation in small scale industry.
- Studied the technique of Mushroom cultivation.
- Understood the Diseases. Post harvesting techniques of Mushrooms.

**Co-ordinator**

**Head**  
Department of Botany  
Annasaheb Magar Mahavidyalaya,  
Hadapsar, Pune-411028.

## Time-Table

### Mushroom Cultivation

Annasaheb Magar Mahavidyalaya, Hadapsar, Pune -411028



Presenty records of the lectures

“Certificate Course in Commercial Mushroom Cultivation”

(2020-2021)

Sr. No.	Date of the lecture	Present students	Topics taken	Name of the Faculty
1.	29.10. 2021	40	CCMC-01- Introduction to Mushrooms and technology,	Dr. Ranadive K.R.
2.	30.10.2021	35	Mushroom science,	Dr. Ranadive K.R.
3.	18.11.2021	55	History and Present scenario,	Dr. Ranadive K.R.
4.	25.11.2021	34	Preparation of Spawn	Dr. Ranadive K.R.
5.	27.11.2021	30	Preparation of Pure Culture and Spawn	Dr. Ranadive K.R.
6.	29.11.2021	15	Basics of Mushroom Cultivation,	Dr. Ranadive K.R.
7.	1.12.2021	34	CCMC-02- How to develop the infrastructure for cultivation?	Dr. Ranadive K.R.
8.	2.12.2021	35	Low cost mushroom farm design for Indian conditions	Dr. Ranadive K.R.
9.	3.12.2021	42	, , Preservation technology of mushroom, Methods of Composting, Mushroom Transportation and shelf life , Mushroom quality enrichment	Dr. Ranadive K.R.
10.	4.12.2021	10	CCMC-03- Medicinal mushroom and its nutritional values	Dr. Ranadive K.R.
11.	9.12.2021	55	Mushroom Crop Management	Dr. Ranadive K.R.
12.	10.12.2021	23	Cultivation Methods of <i>Pleurotus Part 1</i>	Dr. Ranadive K.R.
13.	11.12.2021	34	Cultivation Methods of <i>Pleurotus Part 2,</i>	Dr. Ranadive K.R.
14.	11.3.2022	54	Cultivation Methods of <i>Pleurotus Part 3,</i>	Dr. Sunita Danai-Tambhale 1
15.	14.3.2022	33	Cultivation Methods of <i>Pleurotus Part 4</i>	Dr.Sunita Danai-Tambhale



## Time-Table

### Mushroom Cultivation

				2
16.	15.3.2022	25	Cultivation Methods of <i>Pleurotus</i> 5	Dr.Sunita Danai-Tambhale 3
17.	16.3.2022	32	Cultivation Methods of <i>Voivariella volvacea</i> Part 1	Dr. Sunita: Sunita Danai-Tambhale 4
18.	17.3.2022	50	Cultivation Methods of <i>Voivariella volvacea</i> Part 2	Dr. Sunita: Sunita Danai-Tambhale 5
19.	21.3.2022	23	Cultivation Methods of <i>Voivariella volvacea</i> Part 3	Dr. Sunita Danai-Tambhale 6
20.	25.3.2022	45	Cultivation Methods of <i>Voivariella volvacea</i> Part 4	Dr. Sunita Danai-Tambhale 7
21.	28.3.2022	48	Cultivation Methods of <i>Agaricus bisporus</i> Part 1	Dr. Sunita Danai-Tambhale 8
22.	22.4.2022	52	Cultivation Methods of <i>Agaricus bisporus</i> Part 2	Dr. Shirurkar D. D.
23.	22.4.2022	43	Cultivation Methods of <i>Agaricus bisporus</i> Part 1	Dr. Shirurkar D. D.
24.	23.4.2022	51	Cultivation Methods of <i>Agaricus bisporus</i> Part 2	Dr. Shirurkar D. D.
25.	25.4.2022	37	Cultivation Methods of <i>Agaricus bisporus</i> Part 3 & Part 4	Dr. Shirurkar D. D.
26.	27.4.2022	24	Cultivation Methods of <i>Auricularia</i> Part 1,	Dr. Shirurkar D. D.
27.	2.5.2022	35	Cultivation Methods of <i>Auricularia</i> Part 2 and Part 3	Dr. Shirurkar D. D.
28.	6.5.2022	50	CCMC-04- Practical's based on <i>Pleurotus</i>	Dr. Shirurkar D. D.
29.	9.5.2022	52	CCMC-05- Industrial Visit and its focus and Drying skills in mushroom technology	Dr. Shirurkar D. D.
30.	13.5.2022	52	CCMC-06- Mushroom survey of the sellers, <i>Agaricus bisporus, Auricularia, Voivariella volvacea</i>	Dr. Shirurkar D. D.

## Time-Table

### Mushroom Cultivation



			Mushroom recipes Mushroom products Marketing skills in mushroom cultivation, Harvesting skills in mushrooms,	
--	--	--	---	--

*R.P. Joshi*  
IQAC Co-ordinator

DR. Joshi R.P  
Co-ordinator  
IQAC Committee  
Annasaheb Magar Mahavidyalaya,  
Hadapsar, Pune-28.

*D.D. Shirurkar*  
Asst. Co-ordinator

Dr. Shirurkar D.D.

*Kiran Ranadive*  
Co-ordinator

Dr. Kiran Ranadive

*Dinkar*  
Head

Department of  
Annasaheb Magar Mahavidyalaya,  
Hadapsar, Pune - 28

# Question Paper

## Mushroom Cultivation



P.D.E.A.'s  
Annasaheb Magar Mahavidyalaya,  
Hadapsar, Pune-411028

Certificate course- Mushroom Cultivation Examination (2021-2022)

Class: F.Y.B.Sc./ S.Y.B.Sc./ T.Y.B.Sc.

Name of the student:

Subject: Mushroom Cultivation

Time: 40mins

Marks:30

Sign of Examiner

### Important Instructions

- All questions carry equal marks.
- All questions are compulsory.

#### Q.1. Multiple choice question.

(03Marks Each)

1. Fungi are ----- organisms.
  - a. Heterotrophic
  - b. Autotrophic
  - c. Parasitic
  - d. All of the above
2. Oogamy means -----
  - a. Fusion of similar sized gametes
  - b. Fusion of dis-similar sized gametes
  - c. a & b
  - d. All of the above. (a, b & c)
3. Cryptogams are the
  - a. Flowering plants
  - b. Sometimes Flowering plants
  - c. Non-flowering plants
  - d. All of the above

#### Q.2 True or false.

(03Marks Each)

1. Most of the Agaricales are aquatic in nature
2. Fungal cell wall material is generally chitin
3. *Phellinus* is the example of mushroom.

#### Q.3 Define the following

(03Marks Each)

1. Cystidia: -----  
-----
2. Button mushroom-----  
-----
3. Annulus : -----  
-----

#### Q.4 Answer in short.

(03Marks Each)

1. Basidium with spores -----  
-----

# Result Analysis

## Mushroom Cultivation

**P.D.E.A.'s**  
**Annasaheb Magar Mahavidyalaya, Hadapsar,**  
**Pune-411028**



**Department of Botany**

**Certificate course - Mushroom Cultivation**  
**(2021-2022)**

**Result Analysis**

<b>Sr. No.</b>	<b>Particulars</b>	<b>No. of Students</b>
1	Total students enrolled	63
2	Total students appeared	62
3	Total passed students	58
4	% of the Result	93.54%

A handwritten signature in blue ink, appearing to read "Dr. Kiran R. Ranadive".

Course Co-ordinator  
**Dr. Kiran R. Ranadive**

**Report**  
**Mushroom Cultivation**

Pune District Education Association's  
**Annasaheb Magar Mahavidyalaya, Hadapsar, Pune-28**

**Report**

**Academic Year 2021-2022**

**On Online certificate course "Mushroom Cultivation"**


by

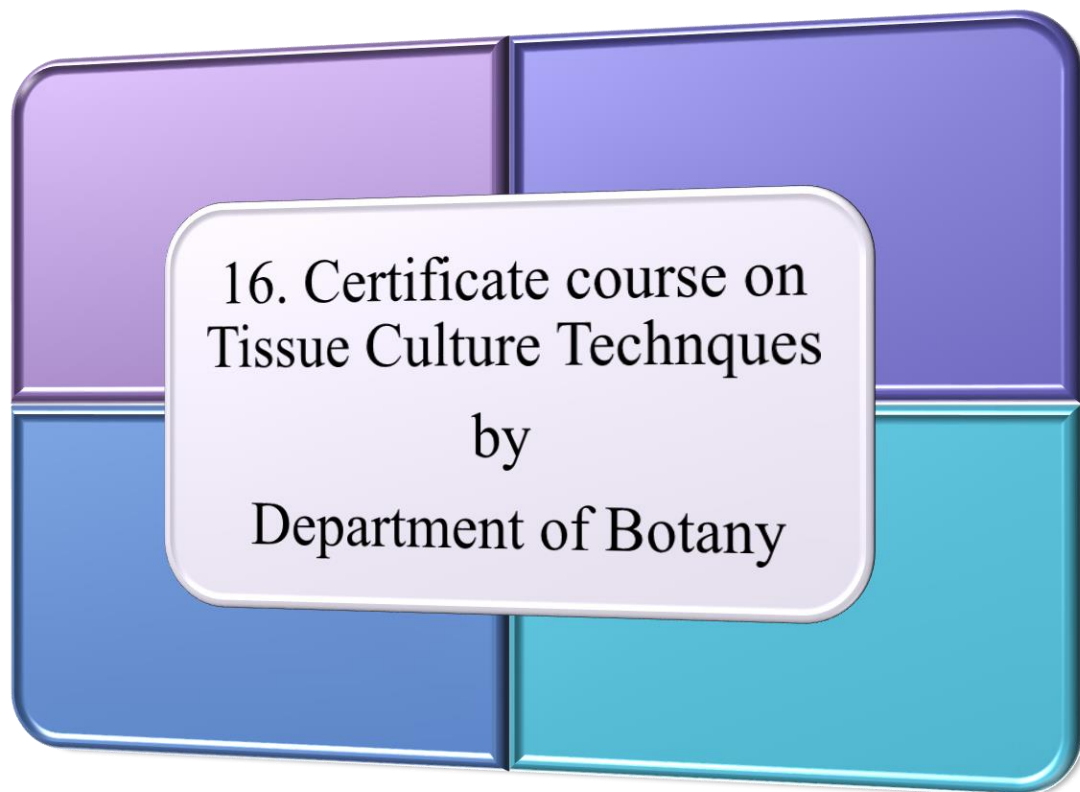
**Department of Botany**

The Department of Botany has conducted an online Certificate course on "Mushroom Cultivation" of 30 hrs from 29/10/2021 to 13/05/2022. This Course was successfully completed by 62 students. Head of department of Botany Dr.D.D. Shirurkar inaugurated the course.

  
Course Co-ordinator



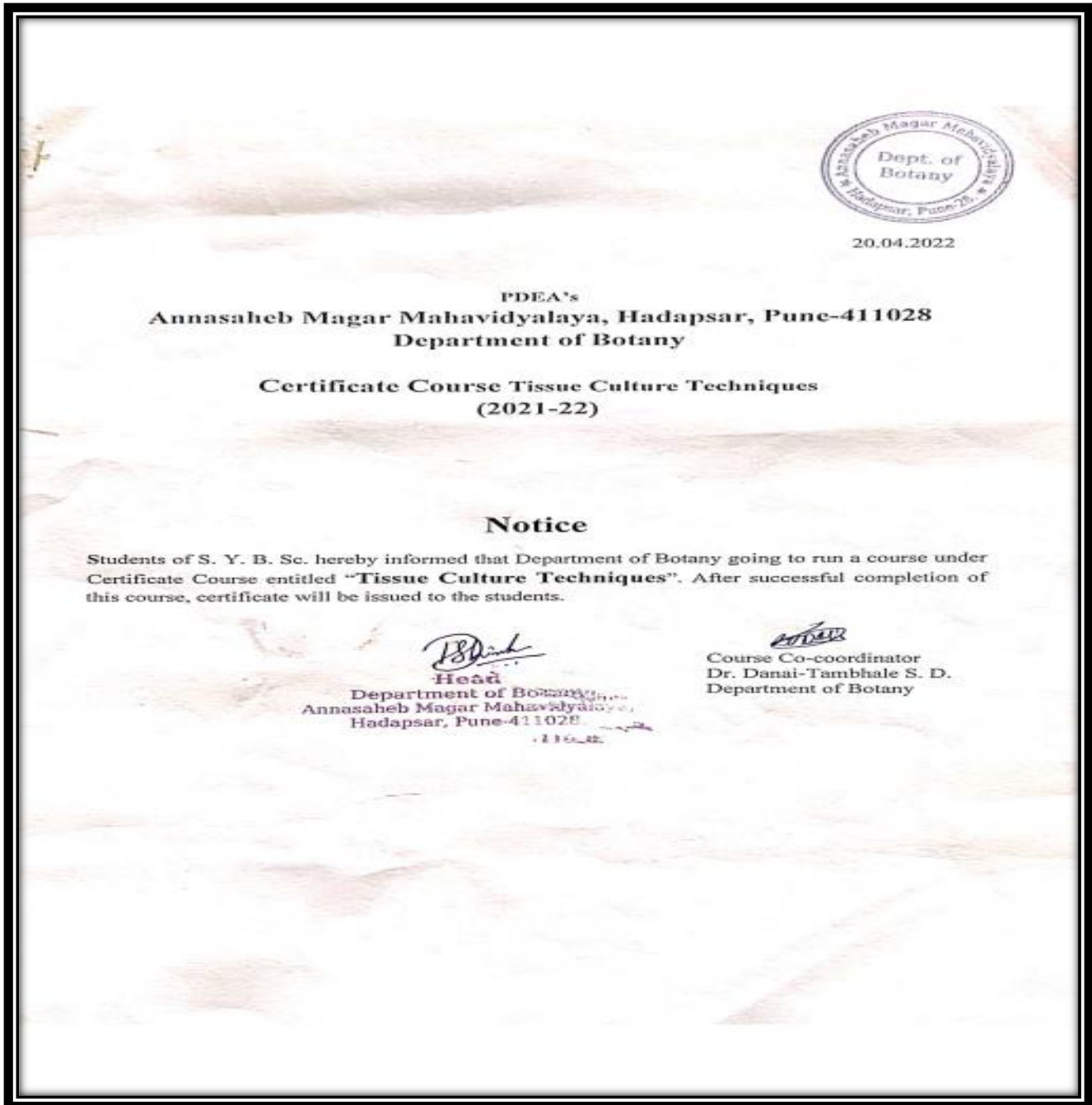
  
HOD  
Head  
Department of Botany  
Annasaheb Magar Mahavidyalaya,  
Hadapsar, Pune-411028.



## Notice

### Tissue Culture Techniques


Duration: 29/04/2021 to 04/06/2022 =30 Hours




# Syllabus


## Tissue Culture Techniques

PDEA'S  
Annasaheb Magar Mahavidyalaya, Hadapsar, Pune 411028  
Department of Botany  
Certificate Course- Tissue Culture Techniques  
Syllabus Distribution Year 2021-2022



Sr. No.	Topic	Name of the Teacher	No. of Theory Lecture	No. of Practical
1	Introduction to Tissue Culture	Dr. Shitole Shilpa	1	--
2	Requirement of Plant Tissue Culture	Dr. Shitole Shilpa	1	--
3	Techniques in Plant Tissue Culture.	Dr. Shitole Shilpa	1	--
4	a. Preparation of Culture Medium	Prof. Patel M. F.	1	--
5	b. Sterilization	Prof. Patel M. F.	1	--
6	c. Preparation of Aseptic Plants	Prof. Patel M. F.	1	--
7	d. Aseptic Techniques	Prof. Patel M. F.	1	--
8	e. Incubation of Culture	Prof. Patel M. F.	1	--
9	Types of Tissue Culture Media its components	Dr. Danai-Tambhale S. D.	1	--
10	Sterilization techniques a. Instrument Sterilization b. Plant Surface Sterilization	Dr. Danai-Tambhale S. D.	1	--
11.	Inoculation & Incubation Technique	Dr. Danai-Tambhale S. D.	--	--
12.	Hardening and acclimatization of regenerated plants.	Dr. Danai-Tambhale S. D.	--	--
13.	Practical		--	--
14.	Requirements for Plant Tissue Culture Laboratory and Sterilization of Equipment and Glassware	Dr. Shitole Shilpa	--	1
15.	Preparation and Sterilization of MS medium	Dr. Shitole Shilpa	--	1
16.	Preparation of Explants and Inoculation (nodal section/Embryo/ anther)	Dr. Shitole Shilpa	--	1
17.	Callus induction from explant and re-inoculation of callus for plantlet development	Prof. Patel M.	--	1
18.	Hardening and acclimatization of regenerated plants	Dr. Danai-Tambhale S. D.	--	1

  
 Course Coordinator  
 Dr. Danai-Tambhale S. D.

  
 Head  
 Dr. Shirurkar D. D.  
 Head  
 Department of Botany  
 Annasaheb Magar Mahavidyalaya,  
 Hadapsar, Pune-411028.

IQAC  
 Dr. Joshi R. P.



## Course Outcome

### Tissue Culture Techniques

PDEA's  
Annasaheb Magar Mahavidyalaya, Hadapsar, Pune-411028  
Department of Botany  
Plant Tissue Culture Technology  
Course Outcome  
2021-22



Name of the Department: B. Sc. (Botany)

Name of the Subject: Botany

Name of the Program: Tissue Culture Technology

After completing the course, students will be able to

Sr. No.	CO Number	Content
1	CO1	Students will acquire basic knowledge of Plant Tissue Culture Technology
2	CO2	Students will learn various growth media for plant callus propagation
3	CO3	Students will learn application of Plant Tissue Culture Technology
4	CO4	Students will acquire conservation medicinal and Endangered Plants through Plant Tissue Culture Technology
5	CO5	Students will able to work on Plant Tissue Culture Technology unit


Course Coordinator

















for Head  
Department of Botany  
Annasaheb Magar Mahavidyalaya,  
Hadapsar, Pune-411028.

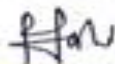
# Time-Table


## Tissue Culture Techniques


**PDEA'S**  
**Annasaheb Magar Mahavidyalaya, Hadapsar, Pune-411028**  
**Department of Botany**  
**Certificate Course- Tissue Culture Technologies**  
**Time Table Implemented -Year 2021-2022**



Name of the Teacher	Date	Signature
Prof. Patel M. F.	29/04/2022	
Prof. Patel M. F.	29/04/2022	
Prof. Patel M. F.	30/04/2022	
Prof. Patel M. F.	30/04/2022	
Dr. Shitole Shilpa	13/05/2022	
Dr. Shitole Shilpa	13/05/2022	
Dr. Shitole Shilpa	13/05/2022	
Dr. Danai-Tambhale S. D.	14/05/2022	
Dr. Danai-Tambhale S. D.	17/05/2022	
Dr. Danai-Tambhale S. D.	17/05/2022	
Dr. Danai-Tambhale S. D.	18/05/2022	
Dr. Shitole Shilpa	30/05/2022	
Dr. Shitole Shilpa	01/06/2022	
Dr. Shitole Shilpa	02/06/2022	
Prof. Patel M.	03/06/2022	
Dr. Danai-Tambhale S. D.	04/06/2022	



  
**Co-ordinator**  
**IOAC Committee**  
**Annasaheb Magar Mahavidyalaya,**  
**Hadapsar, Pune-28.**

  
**Course Coordinator**  
**Dr. Danai-Tambhale S. D.**

  
**Head Head**  
**Department of Botany**  
**Annasaheb Magar Mahavidyalaya,**  
**Hadapsar, Pune-411028**

# Question Paper

## Tissue Culture Techniques

 PDEA's Annasaheb Magar Mahavidyalaya Hadapsar Pune -411028 Department of Botany Certificate Course- Plant Tissue Culture Technology		
2021-22		
Max Time 30 Mini		Max Marks, 20
Note: 1. All Questions are Compulsory		
2. Each Question Carries 4 Marks		
Q1.	Answer the following question in brief.	
a.	Write brief about plant tissue culture technology.	4M
b.	What are the advantages of plant tissue culture technology?	4M
c.	Mention types of plant tissue culture technology.	4M
d.	Media used in plant tissue culture technology.	4M
e.	What are the disadvantages of plant tissue culture technology?	4M

# Result Analysis

## Tissue Culture Techniques



PDEA's  
Annasaheb Magar Mahavidyalaya Hadapsar Pune -411028  
Department of Botany  
Certificate Course-Tissue Culture Technology  
2021-22

---

### Result Analysis


Total student enrolled	30
Total student appeared	30
Total Passed Students	30
% of Result	100 %

  
Coordinator

## Report


### Certificate course in Tissue Culture Techniques

PDEA's  
Annasaheb Magar Mahavidyalaya  
C 2 –Incubation Centre Course Activity,  
Plant Tissue Culture Technique  
Audit Report Year 2021-22  
Department of Botany




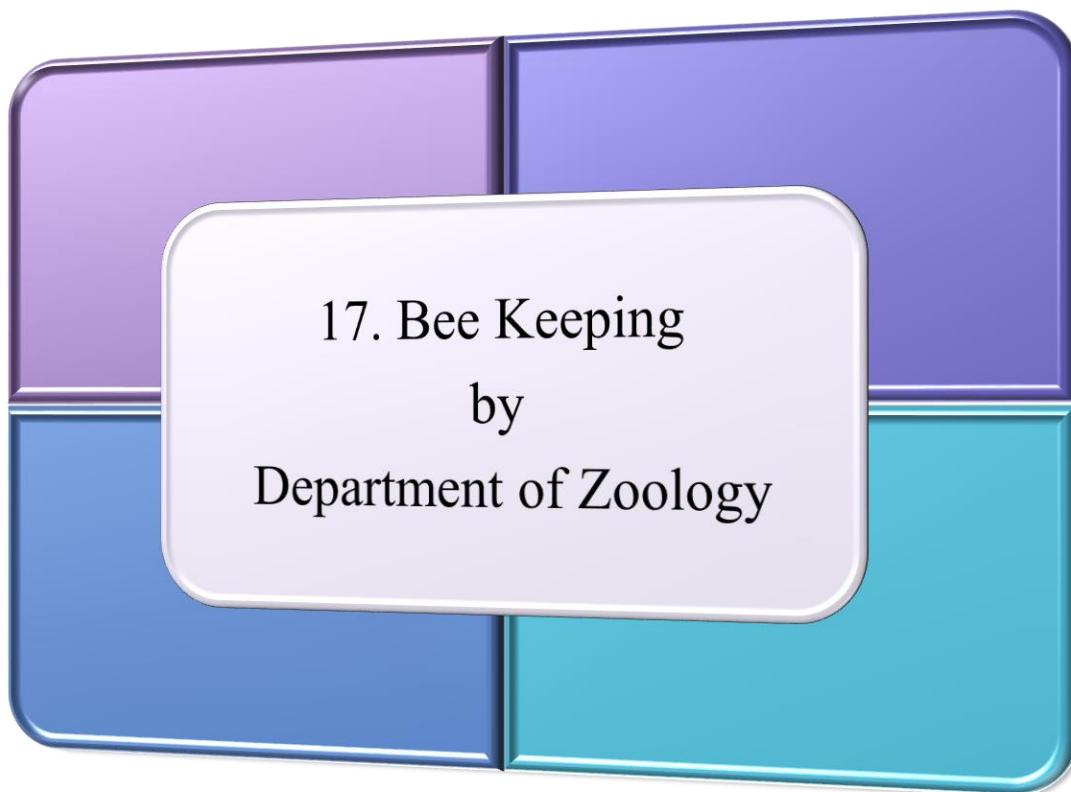
Date: 29/04/2022 to 04/06/2022

1. Title of Course: Certificate Course **Plant Tissue Culture Techniques**
2. Names of the Lecturer/ Faculty : Dr. Danai-Tambhale S. D. (Associate Professor)  
Mr. Patel M. F. (Assistant Professor)  
Dr. Shitole Shilpa. (Assistant Professor)  
Pune -411028
3. Names of students for core Course S.Y. B. Sc.
4. Attach list of student members of the activity group (Faculty Wise and Degree/ Junior): Attendance list attached
5. Aims and objectives of the Lecture :
  - To develop the entrepreneurship ability among the students.
  - To give hands-on practical and orientation to students.
  - To produce value added agricultural produce.
6. Was the activity calendar prepared? Yes / No: Yes
7. Functions / duties allotted to committee members  
Syllabus distribution chart is attached separately
8. Whether other members were co-opted? Yes/No if yes, list names and duties allotted. : N.A
9. Participation of audience/ students  
No. of Students: 36 (Boys -26, Girls – 10)  
No. of Staff: NA  
No. of Committee Members: 04
10. Activity report submitted to
  - a) Principal / Vice Principal / Registrar: Yes
  - b) HODS for monthly report : Yes
  - c) Magazine : Yes
  - d) IQAC: Yes
11. Mode of feedback from students/teacher and action taken on it to improve.  
Students express feedback: No
12. How do your activities contribute to the mission and vision of the institution?  
It creates awareness among the students about the entrepreneurship ability regarding tissue culture technologies.
13. Photographs
14. Suggestions, Students should be promoted for the marketing of prepared food material



Name of Convener:   
Dr. Danai-Tambhale S. D.  
Assistant Professor,  
Department of Botany

Date: - 04/06/2022

Signature  
  
Head  
Department of Botany  
Annasaheb Magar Mahavidyalaya,  
Hadapsar, Pune-411028.



**Notice**  
**Certificate Course-Bee Keeping**  
**Duration: 06/09/2021 to 26/09/2021**  
**30 Hours**

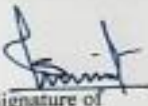
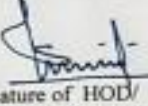
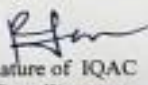

	Pune District Education Association's <b>Annasaheb Magar Mahavidyalaya, Hadapsar, Pune-28.</b>		
<b>Activity Report</b>			
Name of Department/ Committee	<b>Zoology</b>	Academic Year: 2021-22	Name of Coordinator: Dr. Sharad V. Giramkar
Name of the Activity	<b>Certificate course in "Bee Keeping"</b>		
Day & Date: 6 <sup>th</sup> Sept. to 26 <sup>th</sup> Sept. 2021	Time/ Duration: 30 lectures	Venue: Zoology Department, Annasaheb Magar Mahavidyalaya Hadapsar, Pune-28	No of Participants: 57

1. Brief information about the Activity:

Topic	Certificate course in "Bee Keeping"
Objectives	To learn rearing method of honey bees...
Methodology	Classroom teaching, practical and field experience.
Detail Report of Activity	Separate sheet is attached

2. Proofs and Documents Submitted:

Documents	Yes/No	Documents	Yes/No
Detail Report of Activity	Yes	Activity Photos (Geotagged)	--
Notice	Yes	News Published	--
Invitation and Thank giving Letters	--	Participation Certificate (Specimen)	Yes
Attendance of Participants	Yes	Feedback Forms	--

 Signature of Coordinator  
 Signature of HOD/  
Committee Chairman  
 Signature of IQAC  
Coordinator  
 Signature of  
Principal

**Head**  
 Department of Zoology  
 Annasaheb Magar Mahavidyalaya,  
 Hadapsar, Pune-411028.

IQAC Committee Annasaheb Magar Mahavidyalaya  
 Hadapsar, Pune - 411 028.

3. For IQAC Use only

IQAC File No	IQAC Document No	Criterion/Metric No

# Syllabus and Time-Table

## Bee Keeping

### Syllabus (30 Lectures)

**Unit-1: Introduction to Honey Bees.**

(5 L)

Historical background of bee keeping, four species of Honey Bees.  
Life cycle, Colony organization and division of labour, Polymorphism.

**Unit-2: Bee behavior and bee communication.**

(3 L)

Swarming, Absconding, Round dance, The Tail-Wagging dance, DVAV dance, Alarm dance, massage dance.

**Unit-3: Bee diseases and bee enemies.**

(3 L)

Diseases: Viral diseases, fungal diseases, bacterial diseases, Protozoan diseases, Acarine diseases.

Enemies: Wasp, moths, mantids, ants, Pesticidal bee poisoning.

**Unit-4: Bee products and its uses.**

(2 L)

Honey, Pollen, wax, Propolis (Bee glue), Royal Jelly, Bee Venom etc.

**Unit-5: Bee-Keeping Equipments & Clothing.**

(5 L)

Artificial Hives, Cleaning board, Feeder, Queen Excluder; Smoker, Hive tools, Bee Veil, overall, Honey Extractor, Uncapping knife, Queen cage, Queen cell protector, Dividing board.

**Unit-6: Seasonal management of Bees.**

(4 L)

Bee Management in winter, spring and summer season.

Queen replacement and supersedure, Artificial methods of queen rearing, Bee pollination, Economics of bee keeping.

**Unit-7: Practical/hands-on training:**

(2 practicals= 2X4 L=08 Lectures)

Materials required for bee keeping, handling of bee-Keeping equipments & Clothing  
Procurement and establishment of bee box, Acclimation of queen and worker bees, survey and field trial of bee keeping.

### Course Time Table:

Day	Date	Theory		
		8: 00 to 8:50 am	8: 50 to 9:40 am	9: 40 to 10:30 am
Monday	06/09/2021	Mrs. Rupali Bhavsar	Dr. Anju Mundhe	Dr. Sharad Giramkar
Tuesday	07/09/2021	Mrs. Rupali Bhavsar	Dr. Anju Mundhe	Dr. Sharad Giramkar
Wednesday	08/09/2021	Mrs. Rupali Bhavsar	Dr. Anju Mundhe	Dr. Sharad Giramkar
Thursday	09/09/2021	Mrs. Rupali Bhavsar	Dr. Anju Mundhe	Dr. Sharad Giramkar
Saturday	11/09/2021	Mrs. Rupali Bhavsar	Dr. Anju Mundhe	Dr. Sharad Giramkar
Sunday	12/09/2021	Practical Timing: 08:00 to 11:20 am Dr. Anju Mundhe /Dr. Sharad Giramkar		
Monday	13/09/2021	Mrs. Rupali Bhavsar	Dr. Anju Mundhe	Dr. Sharad Giramkar
Tuesday	14/09/2021	Mrs. Rupali Bhavsar	Dr. Anju Mundhe	Dr. Sharad Giramkar
Wednesday	15/09/2021	Mrs. Rupali Bhavsar	Dr. Anju Mundhe	Dr. Sharad Giramkar
Thursday	16/09/2021	Mrs. Rupali Bhavsar	Dr. Anju Mundhe	Dr. Sharad Giramkar
Sunday	19/09/2021	Practical Timing: 08:00 to 11:20 am Mrs. Rupali Bhavsar/Dr. Sharad Giramkar		
Sunday	26/09/2021	Examination Timing: 08:00 to 11:00 am Examiners: 1. Dr. Anju Mundhe 2. Mrs. Rupali Bhavsar		



## Course Outcome

### Bee Keeping



Poona District Education Association's

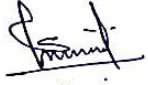
**Annasaheb Magar Mahavidyalaya Hadapsar, Pune - 28.**

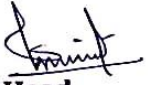
**Name of Programme:** B. Sc. (Zoology)

**Name of Department:** Zoology

**Name of Subject:** Certificate course on Bee Keeping

Sr.No.	CO Number	Contents
After successfully completing this course, students will be able to:		
1	CO1	Understand the basics about beekeeping tools, equipment, and managing beehives.
2	CO2	Understands the basic life cycle of the honeybees.
3	CO3	Understand seasonal management of honey bees for commercial purpose.
4	CO4	Understand the marketing and management of various bee products.
5	CO5	Create self-employment.

  
 (Co-ordinator)  
 (Dr. Sharad V. Giramkar)

  
**Head**  
 Department of Zoology  
 Annasaheb Magar Mahavidyalaya  
 Hadapsar, Pune-411028.

## Examination Notice

### Bee Keeping



Pune District Education Association's Annasaheb Magar Mahavidyalaya Hadapsar, Pune-28			
Certificate course on Bee Keeping			
Name of Department	Zoology	Academic Year	2021-2022

Date: 17/09/2021

#### Examination notice:

All the students of certificate course are hereby informed that, examination and evaluation of certificate course on Bee Keeping will be conducted on Sunday, 26/09/2021 at 8:00 to 11:00 am. Kindly note, Examination will carries 50 marks.

#### Examination Pattern:

Q.1: Multiple Choice questions:	20 marks
Q.2: Short answer questions:	10 Marks
Q.3: Long answer questions:	10 Marks
Q.3: Viva-voce:	05 Marks
Q.4: Attendance:	05 Marks

Signature of Course co-ordinator	Signature of HOD <b>Head</b>	Signature of IQAC Coordinator	Principal

Department of Zoology  
Annasaheb Magar Mahavidyalaya,  
Hadapsar, Pune-411028.

# Question Paper

## Bee Keeping



Pune District Education Association's  
ANNASAHEB MAGAR MAHAVIDHYALAYA, HADPSAR, PUNE 411028.

Department of Zoology

Paper: Bee Keeping

Marks: 40

Date: 26/09/2021 (Sunday)

Time: 08:00 am to 11:00 am

All questions are compulsory

Q1. Multiple choice questions (each question carry 2m) (20)

A. Amongst honey bees, the workers are:

- (a) Female (b) Male (c) Both females and males (d) Hermaphrodite

B. The generic name of which of these is *Apis*?

- (a) Fish (b) Honey bee (c) Lac insect (d) Prawn

C. *Apis dorsata* is used to refer to

- (a) Little bee (b) Indian bee (c) European bee (d) Rock bee

D. The honey bee is of greatest use to mankind as:

- (a) It is of medicinal benefits (b) Helps in cross-pollination  
(c) We get honey from them (d) None of these

E. Nature of honey is

- (a) Acidic (b) Alkaline (c) Neutral (d) Turns basic after a few days

F. Honey is

- (a) Nectar of a flower (b) Nectar stored in the honey sac

Page 1 of 3

# Question Paper

## Bee Keeping

- (c) Nectar mixed with saliva      (d) Nectar and water sucked by honey bee



**G. The bee carries the pollen back to its colony on:**

- (a) Its body    (b) Its middle legs    (c) Its front legs    (d) Its rear legs

**H. The chief constituent of honey is**

- (a) Disaccharides    (b) Monosaccharide    (c) Polysaccharides    (d) Fats

**I. For how long does a worker bee live in the summer?**

- (a) For 2 weeks    (b) For 2 months    (c) For 4 months    (d) For 6 months

**J. The development of a male bee (drone) takes how long?**

- (a) 16 days    (b) 19 days    (c) 22 days    (d) 24 days

Q2. Write short note (10)

1. Bee keeping in small scale
2. External features of honey bees
3. Describe any one commercial species of honey bees
4. Honey bee products

Q3. Give an account of biotic and abiotic factors influencing the culturing of Honey bees (5)

Q4. Applications of Apiculture (5)

# Result Analysis

## Bee Keeping

PDEA's Annasaheb Magar Mahavidyalay Hadapsar Pune

**Department of Zoology**  
**Academic Year 2021-2022**



**Result Analysis for**  
**Certificate Course**  
**Bee keeping**

Total No of Students Enrolled	57
Total No of Students Appeared	57
Total No of Students Passed	57
Pass Percentage	100

A handwritten signature in black ink, appearing to be "S. S. S.", written over a horizontal line.

**Signature**  
**Course Coordinator**  
**Certificate Course Vermiculture technique**

# Report

## Bee Keeping

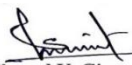
### Report:

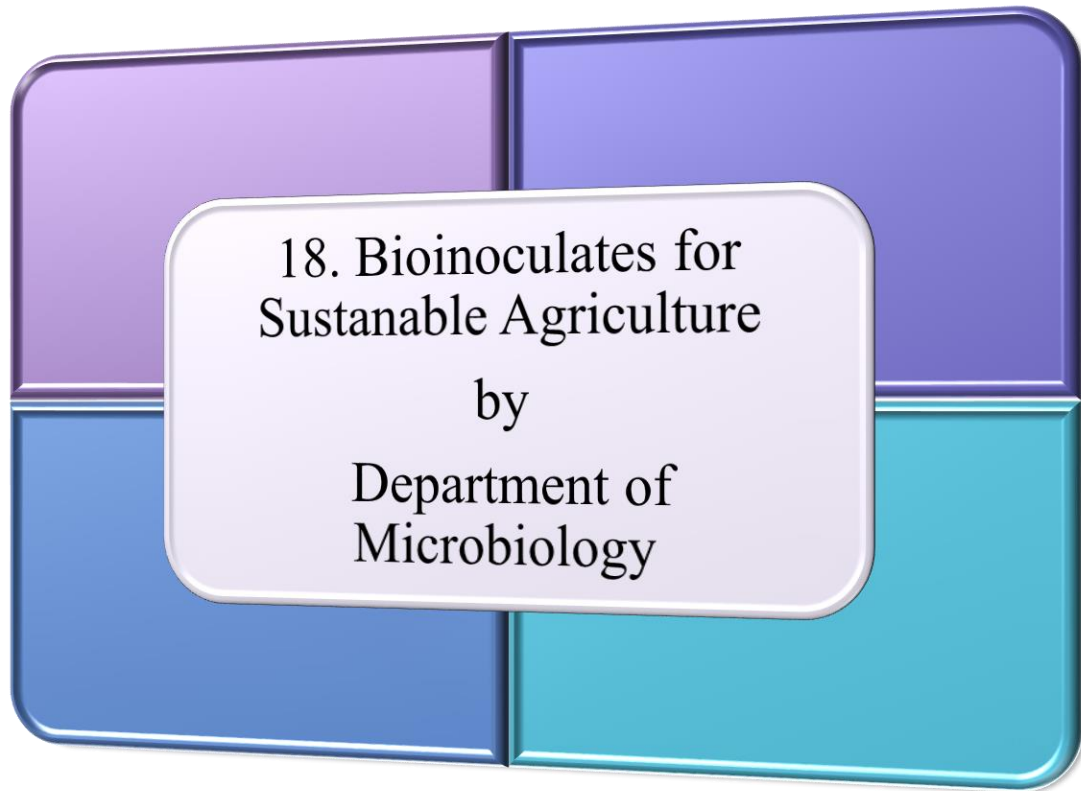


Department of Zoology has conducted certificate course on “Bee Keeping” from Monday 6<sup>th</sup> September 2021 to Thursday 26<sup>th</sup> September 2021. This course was conducted for understanding the techniques of rearing honey bees. Fifty seven students were participated and completed the course.

### Course details:

1. Title of course: Certificate course in “Bee Keeping”
2. **Course Level:** Undergraduate
3. **Syllabus implemented from the academic year:** 2021-22
4. **Preamble of the syllabus:**
  - i. To introduce the field of bee keeping and its development.
  - ii. To train the learner to handle honey bees and bee keeping equipments.
  - iii. To provide knowledge of bee keeping and its commercial use.
  - iv. To prepare students for self employment of Zoology.
  - v. To train the students for commercial use of honey bee and their products.
5. **Faulty of the course:** Faculty of Dept. of Zoology.
6. **Eligibility for course:** 10 + 02 (12<sup>th</sup>) passed students.
7. **Duration of course:** Four weeks.
8. **Intake capacity of the students:** 30
9. **Examination pattern:**
  - i. Internal exam, Term end exam, practical, oral, project
  - ii. Pattern of the question paper: As per university rule
  - iii. Standard passing: 40%
  - iv. ATKT rules: NA
  - v. Award of class: First/Second/pass class.
  - vi. External student: nil
  - vii. Setting of question paper/ pattern of question paper: MCQs, Long answer questions, practicals.
  - viii. Verification and revaluation: NA
10. **Structure of course:**
11. **Detailed syllabus:** Given on separate page.

  
 Dr. Sharad V. Giramkar  
**Head**  
 Department of Zoology  
 Annasaheb Magar Mahavidyalaya,  
 Hadapsar, Pune-411028.



## Notice

### Bioinoculants for Sustainable Agriculture

**Duration: 20/12/2021 to 2021 to 09/02/2022 = 30 Hours**



P.D.E.A.'s

Annasaheb Magar Mahavidyalaya, Hadapsar, Pune-28

Department of Microbiology (U.G. & P.G.)

Date:- 13/12/2021


#### Notice

#### Certificate Course for Students


Department of Microbiology has arranged a Certificate Course on "Bioinoculants for sustainable agriculture" from 20.12.2021 to 20.02.2022 of 30 lectures duration. The topics covered during course will be different from your regular syllabus. This will help you in pursuing service in biofertilizer manufacturing industries and entrepreneurship.


A certificate will be awarded to those students, who will complete the course successfully.


Interested students should enroll their names before 17<sup>th</sup> December 2021.

  
Course Coordinator  
Mr. Mangesh Deshpande

  
Dr. Neha N. Patil  
Head  
Department of Microbiology  
Annasaheb Magar Mahavidyalaya,  
Hadapsar, Pune - 411028

  
Dr. R.P. Joshi  
IQAC  
Coordinator

  
Dr. P.R. Mulay  
Vice principal

  
Dr. P.N. Shelke  
Principal  
Annasaheb Magar Mahavidyalaya  
Hadapsar, Pune-411028.



## Notice

# Bioinoculants for Sustainable Agriculture



Pune District Education Association's  
Annasaheb Magar Mahavidyalaya, Hadapsar, Pune-411028  
Department of Microbiology  
*Certificate course*  
"Bioinoculants for sustainable agriculture"

**Aim:**

Certificate course in "Bioinoculants for sustainable agriculture" has been designed for students to enrich their knowledge for future career in organic farming practices and to build start up ideas.

**Objectives:**

Students can seek a career in biofertilizer formulation. This certificate course program will assist them to gain skills and knowledge about bioinoculants, their screening, formulations and testing on field.

**Course Structure:**

The certificate course comprises of theory and practical sessions. The practical sessions will be extensive at par to the hands on training. After completion of the certificate course by the students, he/she will be awarded certificate to augment their resume for seeking a fine career in future. Certificate will be provided to the students who will get proper score in evaluation test.

**Expected certificate course outcome:**

The certificate course outcome is aimed on progression pathways of the student:

- i. Can join industry as microbiologist in biofertilizer manufacturing industry.
- ii. Can become Entrepreneur in small scale unit.
- iii. Awareness about potential of bioinoculants for sustainable environment.
- iv. Scientific studies on bioinoculants.



## Syllabus and work distribution

### Bioinoculants for Sustainable Agriculture



P.D.E.A.'s

Annasaheb Magar Mahavidyalaya, Hadapsar, Pune-28

Department of Microbiology (U.G & P.G.)

Syllabus of Certificate Course "Bioinoculants for sustainable agriculture"  
(Duration:30 Hours)

SN	Title of Topic
<b>Credit 01 : 15 Hours (Lectures + Practicals)</b>	
1	Introduction of Bioinoculants
2	Isolation of Vesicular-arbuscular mycorrhiza (VAM)
3	Formulation of VAM Biofertilizer
4	Determination of shelf life of Biofertilizer
5	Field assay using VAM Biofertilizer
<b>Credit 02 : 15 Hours (Lectures + Practicals)</b>	
1	Concept of Rhizobacteria
2	Plant growth promoting rhizobacteria: Isolation methods
3	Plant growth promotion mechanism of bioinoculants: IAA, Siderophore, nitrogen fixation, phosphate solubilization, potash mobilization
4	Trichoderma as biocontrol agent
5	Sustainable agriculture using biobased products

Course Coordinator  
Mr. Mangesh Deshpande

Dr. N. N. Patil  
Head  
Department of Microbiology  
Annasaheb Magar Mahavidyalaya  
Hadapsar, Pune - 411028  
Microbiology

Dr. R.P. Joshi  
IQAC  
Coordinator

Dr. P.R. Mulay  
Vice principal

Dr. P.N. Shelke  
Principal  
Annasaheb Magar Mahavidyalaya  
Hadapsar, Pune-411028.

## Course Outcome

### Bioinoculants for Sustainable Agriculture

PDEA'S  
ANNASAHEB MAGAR MAHAVIDYALAYA, HADAPSAR, PUNE-28  
DEPARTMENT OF MICROBIOLOGY  
Academic year 2021-2022

Course Outcome  
Certificate Course on

“Bioinoculant for Sustainable Agriculture “

Course Outcome		
<b>Name of Programme: Certificate Course on Bioinoculant For Sustainable Agriculture</b>		
<b>Class: T.Y. B.Sc.</b>		
<b>Name of Subject: Certificate Course on Bioinoculant For Sustainable Agriculture</b>		
Sr. No	CO Number	Contents of Course Outcome
1	CO-1	Understand how to formulate VAM biofertiliser .
2	CO-2	Understand concept of plant growth promotion mechanism of bioinoculants.
3	CO-3	Understand how to produced sustainable agriculture using biobased products.
4	CO-4	Study how to increase shelf life of biofertiliser.



*[Handwritten Signature]*

*[Handwritten Signature]*  
Head  
Department of Microbiology  
Annasaheb Magar Mahavidyalaya  
Hadapsar, Pune - 411028

## Timetable

### Bioinoculants for Sustainable Agriculture



P.D.E.A.'s

**Annasaheb Magar Mahavidyalaya, Hadapsar, Pune-28**

**Department of Microbiology**

**Syllabus of Certificate Course "Bioinoculants for sustainable agriculture"**

#### **Time table and distribution of Experimental work to teachers ( 20 Hs)**

SN	Title of the experiment	Name of the Teacher	Date	Timing
1	Introduction to Bioinoculants, Study of ready made bioinoculants available in the market.	Mr. Shinde Suryakan; Dr. Shinde S.R. Ms. Waghmode M.S.	21/12/2021	4.00 pm to 5.30 pm.
2	Enrichment of Vesicular-arbuscular mycorrhiza (VAM) from plant roots.	Dr. Khisti U.V Ms. Waghmode M.S.	22/12/2021	3.00 pm to 5.00 pm
3	Isolation of VAM fungus on selective media	Dr. Patil N.N Ms. Waghmode M.S.	03/1/2022	3.00 pm to 5.30 pm.
4	Study of characters of isolated of VAM Formulation of isolated VAM culture Preparation of Pots for assay	Dr. Patil N.N Mr. Deshpande M.V.	05 /1/2022	3.00 pm to 5.00 pm
5	Study of sidling in pots	Mr. Deshpande M.V. Ms. Waghmode M.S. Ms. Dhangar U.S.	14/01/2022	3.00 pm to 5.00 pm
6	Study and Measurement of growth parameters of plants grown in the pots.	Ms. Waghmode M.S. Ms. Dhangar U.S. Dr. Karande V.A.	18/01/2022	3.00 pm to 5.00 pm
7	Inoculation of media for detection of plant growth promoting substances by VAM fungus	Ms. Sherkar S.D Ms. Kale A.B.	04/02/2022	3.00 pm to 5.00 pm
8	Observation and Result of biochemical tests Determination of shelf life of VAM Biofertilizer	Ms. Sherkar S.D. Ms. Kale A.B. Ms. Jagtap P.D Ms. Borade U.,B	07/2/2022	3.00 pm to 6.00 pm
9	Result of Viability and Purity of VAM Biofertilizer	Ms. Jagtap P.D Ms. Borade U.,B	19/2/2022	3.00 pm to 5.00 pm

  
Course Coordinator

  
Head  
Department of Microbiology  
Annasaheb Magar Mahavidyalaya  
Hadapsar, Pune - 41100

# Question Paper

## Bioinoculants for Sustainable Agriculture

Pune District Education Association's  
Annasaheb Magar Mahavidyalaya, Hadapsar, Pune-28  
Academic Year 2021-2022  
Certificate Course on "Bioinoculant For Sustainable Agriculture"

**INSTRUCTIONS:**

- 1) All questions are compulsory.
- 2) Each questions carry 5 Marks.

- I. Write Short Notes on following Question. 10 Marks
- a) Bioinoculants
  - b) VAM


- II) Answer the following question. 20 Marks
- c) Explain plant growth promotion mechanism of Bioinoculants.
  - a) Write down Rizobacter isolation methods
  - b) Explain method of Isolation of VAm
  - c) How to increase self life of Bio fertiliser



# Result Analysis


## Bioinoculants for Sustainable Agriculture

<b>Pune District Education Association's</b>	
<b>Annasaheb Magar Mahavidyalaya, Hadapsar, Pune-28</b>	
Academic Year 2021-2022	
<b>Certificate Course on Bioinoculant For Sustainable Agriculture</b>	
<b>RESULT ANALYSIS</b>	
<b>Of</b>	
<b>Certificate Course on Bioinoculant For Sustainable Agriculture</b>	
Total Students Enrolled	155
Total Students Appeared	153
Passing Results	99%



**Head Of the Department**

Head  
Department of Microbiology  
Annasaheb Magar Mahavidy.  
Hadapsar, Pune - 411028

*for*   
**Co ordinator**

## Photographs

### Bioinoculants for Sustainable Agriculture

**P.D.E.A.'s  
Annasaheb Magar College, Hadapsar, Pune 411028  
Department of Microbiology  
Certificate course 2021-22  
Title : Bioinoculants for sustainable agriculture  
Photographs**

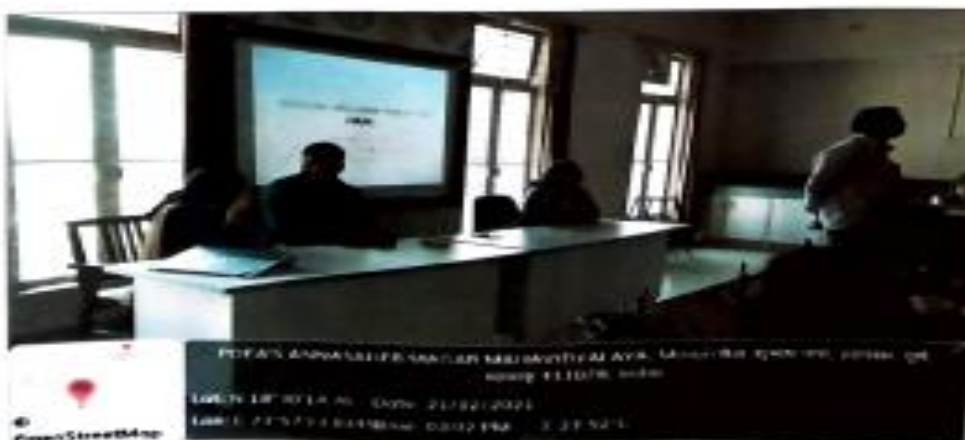
**Inaugural function on 21/12/2021 at 10 a.m.**

**Welcome of the speaker : Mr. Suryakant Shinde. BAIF , Pune**

**By Hon. Principal : Dr. Shelke P.N.**



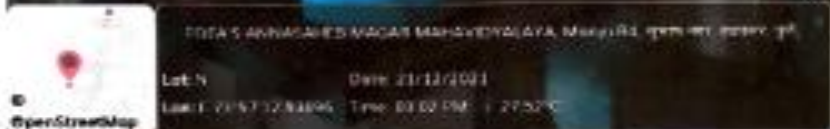
**Introduction of the Certificate Course :  
By course Coordinator : Mr. Deshpande M.V.**



# Photographs

## Bioinoculants for Sustainable Agriculture

Participants : Venue Microbiology Laboratory



### Practical course

Treatment of seeds with VAM culture and in vitro germination experiment





## Photographs

### Bioinoculants for Sustainable Agriculture

Pot culture assay



Making Lab scale VAM culture



Making Lab scale VAM culture



Pot Culture experiment



## Photographs

### Bioinoculants for Sustainable Agriculture

**Pot Culture experiment**



**Groups of students and their teachers**



## Photographs

### Bioinoculants for Sustainable Agriculture



Groups of students and their teachers



## Report

# Bioinoculants for Sustainable Agriculture

**P.D.E.A.'s**  
**Annasaheb Magar College, Hadapsar, Pune 411028**  
**Department of Microbiology**  
**Certificate Course 2021-22**  
**Title : Bioinoculants for sustainable agriculture**  
**Final Report**



This year ( 2021-22 ) , Microbiology department has conducted 30 hours Certificate Course on topics related to Bioinoculants which are useful for sustainable agricultural practices. Instead of using the common bioinoculants , emphasis was given on a new approach of using Vesicular Arbuscular Mycorrhiza (VAM ) as a bioinoculant.

Vesicular-arbuscular mycorrhiza (VAM) is a symbiotic association between particular fungi from Phycomyces group and roots of angiosperm. The fungus colonizes the surface of the root as well as invades the root cortex forming a mycelial network and characteristic vesicles (bladder-like structures) and arbuscules (branched finger-like hyphae).

The fungus absorbs water and phosphates from the soil and passes it to the plant. It solubilises complex organic matter into simpler substances. It also provides resistance to root-borne pathogens and increases the tolerance of plant to salinity and drought. In this way, the mycorrhizae act as effective biofertilisers

This association is beneficial to both the partners. The fungus obtains shelter and surface for the growth while the plants gain nutrients absorbed by the VAM fungus. The fungus also kills the other pathogenic fungi by its competitive nature. Thus plants get protection from pathogenic fungi. Vesicular Arbuscular Mycorrhizae (VAM) is a fungus which increases soil fertility.

Farmers are not well aware of this type of association. So the aim of this course was to introduce the topic to the representatives ( students ) of younger generation , so that they will disseminate the knowledge and importance of VAM to farmers.

### **Majority of plant species are benefited from mycorrhizal fungi**

- Urban vegetable crops in soil or trays: onion, garlic, carrots, potatoes, tomatoes, peppers, cucurbits, asparagus, herbs and lettuce.
- Annuals in planters or flower beds: salvia, ornamental grasses, canna, ferns, aloe, gerbera.

### **About the Certificate Course**

For this course ,we invited one of the eminent personalities in this field, Mr. Suraykant Shinde from BAIF , Uruli kanchan, Pune , He is also a valuable alumnus of our department.

Inaugural key note address was given by Mr. Surykant Shinde on 21 December 2021 ,with the help of several slides of his own work on VAM. and stated the importance of VAM for sustainable agriculture . He also provided his VAM sample for the purpose of practical workshop. He explained various protocols for isolation and study of VAM at the Lab level , and field level also

## Report

### Bioinoculants for Sustainable Agriculture

**Theoretical** aspects of VAM and other bioinoculants was covered in two credits, by all the teachers from Microbiology Department. This was conducted from 21 January 2021 to 05 February 2022. The syllabus was uncovered in total ten ( 10 ) lecture by the teachers. Prof. .Deshpande M.V , Dr. Shinde S.R Dr. Khisti U.V, Ms. Waghmode M.S., Dhangar U.S., Jagtap P.D , Ms. Sherkar S.D, Dr. Karande V.A., Ms. Borade U.B. ,Ms.Kamshetti A.O. and Ms.Kale A.B conducted the lectures. HoD. Prof. Dr. Patil N.N. explained the types and uses of Bioinoculants and give stress on how to increase the use of such bioinoculants by our farmers.

Information on Bioinoculants particularly VAM was given on Zoom online platform using slides and photographs. The importance and use of bioinoculants for sustainable agriculture was emphasized through these lectures,. There was a good response from the participants.

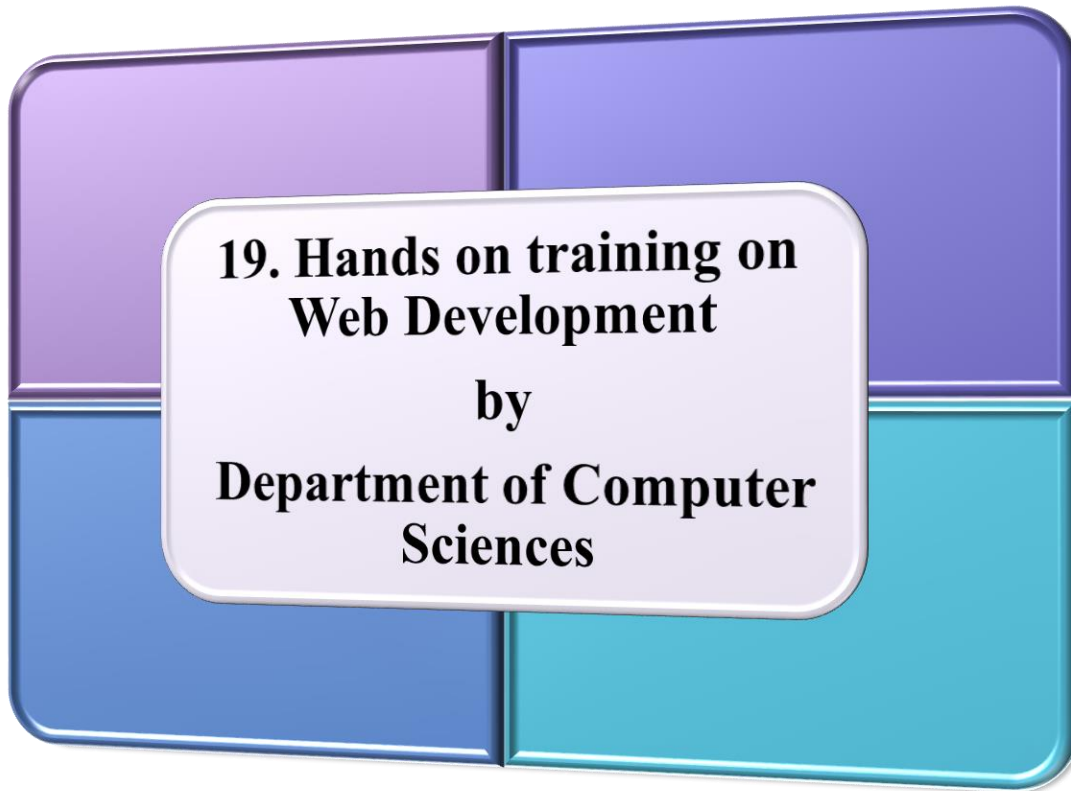
. **Experiments** were designed by Ms. Waghmode M.S, in consultation with Mr. Shinde Surykant. The experimental work was carried out in batches with one teacher per batch. It was conducted for twenty ( 20 ) hours, from 21 December 2021 to 10 February 2022 in the laboratories of Microbiology Department. The experimental work was assisted by . Prof. .Deshpande M.V , Dr. Shinde S.R Dr. Khisti U.V, Ms. Waghmode M.S., Dhangar U.S., Jagtap P.D , Ms. Sherkar S.D, Dr. Karande V.A., Ms. Borade U.B. ,Ms.Kamshetti A.O. and Ms.Kale A.B. under the supervision of Prof. Dr. Patil N.N , Mr. Deshpande M.V and Ms.Waghmode M.S.

In the end an assessment test was conducted using google form, The questions were based on the topics and experiments covered in the course. 62 students from TYBSc , 45 Students from M.Sc. Part I and 47 students from M.Sc. Part II successfully completed this certificate course The total no of students who registered for the course was 154.

*M. Deshpande*  
(Course Coordinator)

*P. Deshpande*  
Head  
Department of Microbiology  
Annasaheb Magar Mahavidyalaya  
Hadapsar, Pune - 411028






## Notice

### Hands on Training on Web Development

**Duration: 13/12/2021 To 20/12/2021 (30 Hours)**



**PDEA's**  
**Annasaheb Magar Mahavidyalaya , Hadapsar**  
**Department of Computer Science**  
**Course Code : CSCC01\_2021-22**

**Certificate course on "Hands on Training on Web Development ".**

This Certificate course on "Hands on Training on Web Development " is organized by Computer Sci. Department in association with Elite Software, Pune for PG and UG students.

**Aim:**

Certificate course in "Hands on Training on Web Development" has been designed for students to get working knowledge in Web Development for future career in Web Development and start their own Software firm.

**Objectives:**

Students can seek a career in Website Development, This certificate course program will assist them to gain technical skills required for Website Development and deployment on server. They will learn to allocate Domain and server space for their websites.

**Course Structure:**

The certificate is mainly focused on hands on practical sessions. The practical sessions will be extensive at par to the hands on training. Total course duration is 30 hours , which will be covered in seven days. ( 13 Dec 2021 To 20 Dec 2021)

After completion of the certificate course by the students, he/she will be awarded certificate to augment their resume for seeking a fine career in future.

Expected certificate course outcome:

The certificate course outcome is aimed on progression pathways of the student:

- i. They can become a website developer.

## Notice

### Hands on Training on Web Development

- ii. Can become Entrepreneur in small software firm.
- iii. They can do free lancing in Web Development globally.
- iv. It will help as additional skill in their career.



A handwritten signature in blue ink, appearing to be 'A', with a horizontal line underneath it.

Course  
Co-ordinator

A handwritten signature in blue ink, appearing to be 'M', with a horizontal line underneath it.

Head H.O.D  
Department of Computer Science:  
Annasaheb Magar Mahavidyalaya  
Hadapsar, Pune - 411 028



# Notice

## Hands on Training on Web Development



**PDEA's  
Annasaheb Magar Mahavidyalaya , Hadapsar  
Computer Science Dept.**

Date: 10/12/2021

### **Notice for Students of B.Sc.(Computer Science)**

All Students are hereby informed that there will be a certificate course on **Hands on Training on Web Development** from 13<sup>th</sup> Dec 2021 to 20th Dec 2021 in collaboration with Elite Software, Pune. Submit your name in Computer Science Dept. The detail time table will be display soon.

  
Co-Ordinator  
Dr. A B Nimbalkar

  
HOD  
Department of Computer Sciences  
Annasaheb Magar Mahavidyalaya  
Hadapsar, Pune -411 028

  
VICE PRINCIPAL  
Annasaheb Magar Mahavidyalaya  
Hadapsar, Pune-411028.

  
PRINCIPAL  
Annasaheb Magar Mahavidyalaya  
Hadapsar, Pune-411028.

# Syllabus

## Hands on Training on Web Development



**Syllabus : CCCC01\_2021-22 : Hands on Training on Web Development**

Sr.No	Topics	Number of Hrs.
1	Introduction to HTML and CSS, Understanding the Bootstrap File Structure.	5
2	Creating Your First Web Page with Bootstrap.	4
3	Including Bootstrap's Files via CDN., Bootstrap Grid System.	4
4	Creating Fixed Layout with Bootstrap.	4
5	Creating Fluid Layout with Bootstrap.	4
6	Responsive Web Design or Layout.	4
7	Allocating/ purchasing Domain and server space. Hosting of Website on Server.	5

Course  
Co-ordinator

Department of Computer Science  
Annasaheb Magar Mahavidyalaya  
Hadapsar, Pune - 411 028

H.O.D.

IQAC

VICE PRINCIPAL  
Annasaheb Magar Mahavidyalaya  
Hadapsar, Pune-411028.

PRINCIPAL


Annasaheb Magar Mahavidyalaya  
Hadapsar, Pune-411028.


## Course Outcome

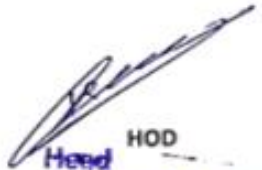
### Hands on Training on Web Development

PDEA's  
**Annasaheb Magar College, Hadapsar, Pune-28**  
**Department of Computer Science**  
**Certificate Course -Elite Web Development**

Sr.no.	Course Outcomes
CO.1	Develop the working knowledge and applications of internet based system.
CO.2	Internet different disciplines to applied the domain of cognitive abilities.
CO.3	Ability to work as member or leader in multi-disciplinary environment.
CO.4	Identify opportunity enterprenetoiship vision and use innovative ideas to create value and vealth.

  
Course  
Co-coordinator



  
HOD  
Head  
Department of Computer Science  
Annasaheb Magar Mahavidyalaya  
Hadapsar, Pune - 411 028

## Time-Table

### Hands on Training on Web Development

**PDEA's  
Annasaheb Magar Mahavidyalaya , Hadapsar  
Computer Science Dept.**

Date: 11/12/2021



#### **Time Table for “Hands on Training on Web Development “ Certificate Course**


**Course Code : CSCC01\_2021-22**

Note: Student must be present 15 Min before schedule in Computer Lab I .

Date	Training Time
13/12/2021	12.00 noon to 5.00pm
14/02/2021	1.00 pm to 5.00pm
15/02/2021	1.00 pm to 5.00pm
16/02/2021	1.00 pm to 5.00pm
17/02/2021	1.00 pm to 5.00pm
18/02/2021	1.00 pm to 5.00pm
20/02/2021	12.00 noon to 5.00pm

  
Co-Ordinator  
Dr. A B Nimbalkar

  
Head  
Department of Computer Science  
Annasaheb Magar Mahavidyalaya  
Hadapsar, Pune -411 028

  
VICE PRINCIPAL  
Annasaheb Magar Mahavidyalaya  
Hadapsar, Pune-411028.

  
PRINCIPAL  
Annasaheb Magar Mahavidyalaya  
Hadapsar, Pune-411028.

# Question Paper

## Hands on Training on Web Development



P.D.E.A.'s

Annasaheb Magar Mahavidyalaya, Hadapsar Pune 28

Department of Computer Science Time-30 Minutes

Certificate Course in Hands on training using Web Development (2021-22)

Time-30 Minutes

Max-Marks (30)

---

**Instructions: -**

1. All questions are compulsory.
  2. Each question carries 2 marks.
- 

**1. What is the correct HTML for creating a hyperlink?**

- a.) `<a name="">A</a>`
- b.) `<a>B</a>`
- c.) `<a href="http://www.example.com">example</a>`
- d.) `<a url="http://www.example.com">example</a>`

**2. What does CSS stand for?**

- a) Complex Style Sheets
- b) Cascading Style Sheets
- c) Both A & B
- d) None of these

**3. Correct syntax of CSS?**

- a) `{body;color:black}`
- b) `{body;color=black(body)}`
- c) `body;color=black`
- d) `body {color: black}`

**4. Bootstrap package includes?**


- a). Scaffolding
- b) Components
- c) JavaScript Plugins
- d). All of the above

**5. Which of the following indicates a dangerous or potentially negative action?**

- a) `active`
- b) `.danger`
- c) `.warning`
- d). None of the above

# Question Paper

## Hands on Training on Web Development



6. Which of the following bootstrap style of button makes the button size large?

- a) btn-lg
- b) btn-sm
- c) btn-xs
- d) btn-block

7. Which of the following class in Bootstrap is used to provide a responsive fixed width container?

- a) .container-fixed
- b) .container-fluid
- c) .container
- d) All of the above

8. It contains \_\_\_\_\_ based design templates for topography.

- a) SMTP
- b) HTML
- c) MQTP
- d) CoAP

9. Bootstrap was originally named as \_\_\_\_\_

- a) Twitter Bootstrap
- b) Twinkle Bootstrap
- c) Twitter Blueprint
- d) Twinkle Blueprint

10. Bootstrap includes a responsive, mobile first fluid grid system that appropriately scales up to \_\_\_\_\_ as the device or viewport size increases.

- a) 9 columns
- b) 10 columns
- c) 11 columns
- d) 12 columns

11. The Bootstrap grid system is based on how many columns?

- a) 4
- b) 6
- c) 12
- d) 8

12. Which data structure is used for implementing recursion?

- a) Stack
- b) Queue
- c) List
- d) Array

# Question Paper

## Hands on Training on Web Development

13. Which of the following CSS framework is used to create a responsive design?

- a) django
- b) rails
- c) larawell
- d) bootstrap

14. Which data structure is needed to convert infix notation to postfix notation?

- a) Tree
- b) Branch
- c) Stack
- d) Queue


15. Which Class Creates A List Of Items?

- a) Lst-group
- b) List-group
- c) List-grp
- d) Menu-group



# Result Analysis

## Hands on Training on Web Development




P.D.E.A.'s  
Annasaheb Magar Mahavidyalaya, Hadapsar Pune 28  
Department of Computer Science Time-30 Minutes

---


Academic year 2021-22

**Result Analysis for**  
**Certificate Course**  
**In**  
**Hands on training using Web Development**

Total student enrolled	33
Total students appeared	33
Passing result	100%



Coordinator  
Certificate Course in  
Hands on training using Web Development

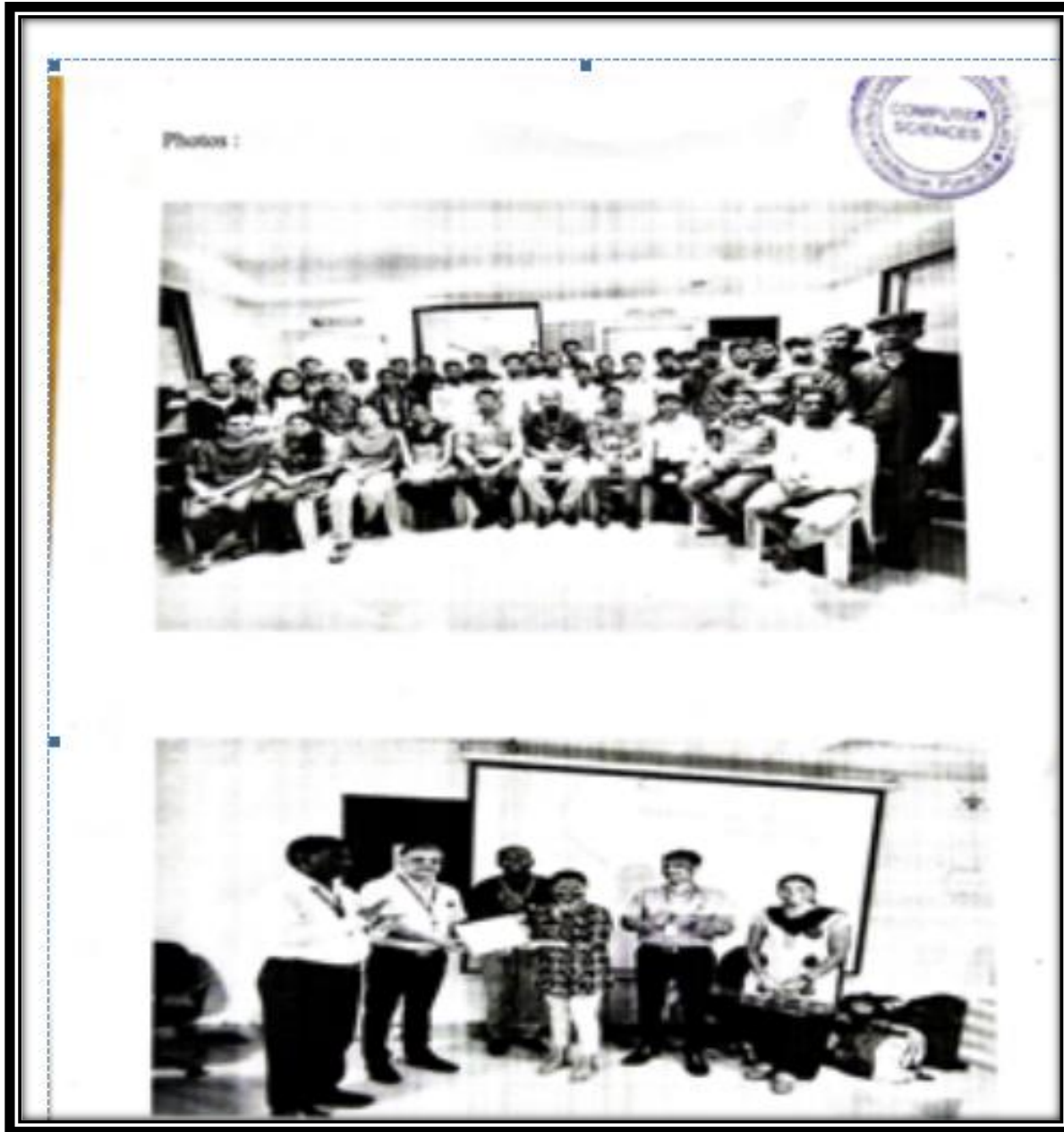


HOD  
Head, Computer Science  
Department of Computer Sciences  
Annasaheb Magar Mahavidyalaya  
Hadapsar, Pune-411 028



## Photographs

### Hands on Training on Web Development



## Report

# Hands on Training on Web Development

Pune District Education Association's  
**Annasaheb Magar Mahavidyalaya, Hadapsar, Pune-28**

**Report**

**Academic Year 2021-2022**

**Certificate course "Hands on Training on Web Development"**

by

**Department of Computer Sciences**

The Department of **Department of Computer Sciences** has conducted an online Certificate course on "**Hands on Training on Web Development**" of 30 hrs from **13/12/2021 to 20/12/2021**. This Course was successfully completed by **33 students**. Head of department of Computer Sciences Prof.Rajesh More inaugurated the course.

  
Co-ordinator



  
Head H.O.D.  
Department of Computer Sciences  
Annasaheb Magar Mahavidyalaya  
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