

University of Mumbai



# University of Mumbai

## मुंबई विद्यापीठ

*We,*

the Chancellor, the Vice Chancellor  
and  
Members of the Management Council  
confer the Degree of

**DOCTOR OF PHILOSOPHY**  
(Science)  
on

**UMRAJKAR SURYAKANT GANGARAM**

of Bhiwandi Nizampur Nagarpalika Arts, Science and Commerce College

Thesis Submitted in Zoology  
in October 2022  
which has been accepted by the Examiners  
at the Convocation  
held on 23rd February, 2023.

*आम्ही,*

कुलपती, कुलगुरु  
आणि  
व्यवस्थापन परिषदेचे सदस्य  
**विद्यावाचस्पती**  
(विज्ञान)  
ही पदवी

**उमरजकर सुर्यकांत गंगाराम**

भिवंडी निझामपूर नगरपालिका आर्ट्स, सायन्स अँड कॉमर्स कॉलेज

यांना  
प्राणिशास्त्र या विषयात  
ऑक्टोबर २०२२ मध्ये  
सादर केलेला प्रबंध परीक्षकांनी स्विकृत केल्याबद्दल  
२३ फेब्रुवारी, २०२३ च्या  
दीक्षान्त समारंभात प्रदान करित आहोत.



*Digambar Shirke*

Prof. Digambar Shirke | प्रा. दिगंबर शिर्के  
Vice Chancellor | कुलगुरु



22-PHSC-220-0022-00000056

0000042

Electronic Certificate Number: 19203035



**SAVITRIBAI PHULE PUNE UNIVERSITY**  
**NODAL AGENCY**



**STATE ELIGIBILITY TEST FOR ASSISTANT PROFESSOR**

(Accredited by University Grants Commission, New Delhi)  
(Valid in the States of Maharashtra & Goa only)

SET Ref. No.: 3035/(SET-JUN 2019)      Seat No.: 713291

Certified that **SHINDE JAY HIRALAL**  
Son/Daughter of **SHINDE HIRALAL RAMDAS** and  
**SHINDE JAYSHREE HIRALAL**, has qualified the SET for eligibility for  
Assistant Professor held on 23rd June 2019 in the subject **Commerce**.



As per the information provided by the candidate, he/she had completed his/her Master's degree or equivalent examination at the time of applying for SET.

The date of eligibility for Assistant Professor is the date of declaration of SET result, i.e., 11/10/2019, OR the date of completion of Master's degree or equivalent examination with required percentage of marks within two years from the date of declaration of SET result, i.e., by 10/10/2021, whichever is later.

This is an electronic certificate only. its authenticity and category in which the candidate had appeared should be verified from the Nodal Agency by the Institution/Appointing Authority. This electronic certificate can also be verified by scanning Bar code printed on the electronic certificate.

Validity of this electronic certificate is forever.

**MEMBER SECRETARY**  
STEERING COMMITTEE, SET

Date of Issue : 19/11/2019

**CHAIRMAN**  
STEERING COMMITTEE, SET

Note : The Nodal Agency has issued the electronic certificate on the basis of information provided by the candidate in his/her Application Form. The appointing authority should verify the original records/certificates of the candidate while considering him/her for appointment, as the Nodal Agency is not responsible for the same. The candidate must fulfil the minimum eligibility conditions for SET as laid down in the notification for SET.

Electronic Certificate No.: 141020689



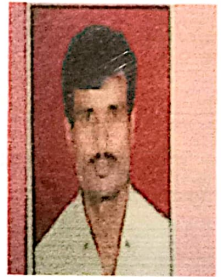
**University Grants Commission**  
NATIONAL EDUCATIONAL TESTING BUREAU



**NATIONAL ELIGIBILITY TEST FOR ASSISTANT PROFESSOR**

UGC Ref. No.: 20689/(NET-JUNE 2014)

Roll No.: 41590085



Certified that **BALKRISHNA LAXMAN SHINGOLE**

Son/Daughter of **LAXMAN KHANDU SHINGOLE**

and **MUKTABAI LAXMAN SHINGOLE**

*has qualified*

the UGC-NET for eligibility for Assistant Professor held on **29-06-2014**

in the Subject **LIBRARY AND INFORMATION SCIENCE**

The date of qualifying NET is **10th November 2014**, which is also the date of declaration of the result.

This is an electronic certificate only and its authenticity should be verified from the UGC by the employer through [www.ugcnetonline.in](http://www.ugcnetonline.in). This electronic certificate can also be verified by scanning QR Bar Code printed on the electronic certificate.

Validity of the electronic certificate is forever.

*Sundera Singh*

Head  
NET Bureau

Date of Issue: **24-03-2015**

Note: a) UGC has issued the electronic certificate on the basis of information provided by the candidate in his/her Application Form. The appointing authority should verify the original records/certificates of the candidate while considering him/her for appointment, as the Commission is not responsible for the same. The candidate must fulfil the minimum eligibility conditions for NET within two years from the date of declaration of UGC-NET result.

b) Wherever PWD is shown in the UGC Ref. No., the recruitment body should check the relevant documents of disability.



Electronic Certificate Number: 19200177



**SAVITRIBAI PHULE PUNE UNIVERSITY**  
**NODAL AGENCY**



**STATE ELIGIBILITY TEST FOR ASSISTANT PROFESSOR**

(Accredited by University Grants Commission, New Delhi)  
(Valid in the States of Maharashtra & Goa only)

SET Ref. No.: 0177/(SET-JUN 2019)      Seat No.: 711993  
Certified that **MEMON AMIN ABDUL MAJID**  
Son/Daughter of **MEMON ABDUL MAJID ABDUL SHAKUR** and  
**MEMON HAJRA ABDUL MAJID**, has qualified the SET for eligibility  
for Assistant Professor held on 23rd June 2019 in the subject  
**Commerce**.



As per the information provided by the candidate, he/she had completed his/her Master's degree or equivalent examination at the time of applying for SET.

The date of eligibility for Assistant Professor is the date of declaration of SET result, i.e., 11/10/2019, OR the date of completion of Master's degree or equivalent examination with required percentage of marks within two years from the date of declaration of SET result, i.e., by 10/10/2021, whichever is later.

This is an electronic certificate only, its authenticity and category in which the candidate had appeared should be verified from the Nodal Agency by the Institution/Appointing Authority. This electronic certificate can also be verified by scanning Bar code printed on the electronic certificate.

Validity of this electronic certificate is forever.

**MEMBER SECRETARY**  
STEERING COMMITTEE, SET

**CHAIRMAN**  
STEERING COMMITTEE, SET

Date of Issue : 07/11/2019

Note : The Nodal Agency has issued the electronic certificate on the basis of information provided by the candidate in his/her Application Form. The appointing authority should verify the original records/certificates of the candidate while considering him/her for appointment, as the Nodal Agency is not responsible for the same. The candidate must fulfil the minimum eligibility conditions for SET as laid down in the notification for SET.