



**AY 2015 Onwards**

# Hindi Vidya Prachar Samiti's RAMNIRANJAN JHUNJHUNWALA COLLEGE (AUTONOMOUS)

(Also known as R. J. College of Arts, Science & Commerce as per UGC Notification)

**Affiliated to UNIVERSITY OF MUMBAI II Recognized by UGC under 2f & 12B  
NAAC Accredited 'A GRADE' with CGPA 3.50**

## Knowledge is all Ambrosia

**CERTIFICATE  
COURSE IN**

**PLANT TISSUE  
CULTURE**

A

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M

C



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Mumbai 400 086, Maharashtra, INDIA.



## ABOUT US

Hindi Vidya Prachar Samiti was incepted on the auspicious day of Shri Krishna Janmashtami, 15th August 1938. A brain child of a visionary Late Shri Nandkishore Singh Jairamji, samiti was established with the objectives of catering to the educational needs of the Hindi speaking community. Ramniranjan Jhunjhunwala College came into existence in 1963, enabling a larger section of the society to take advantage of the facilities provided for higher education.

From 1999-2000 the College has added a number of self-financing courses like B.M.S., B.B.I., B.Sc. in Computer Science, Information Technology, Biotechnology, M.Sc. in Computer Science, Biotechnology and Information Technology as well as add on courses, which further hone the special skills of the students.

The college has been reaccredited with 'A' Grade by NAAC in 2014 with a CGPA 3.50 and received the Best College Award (2007-2008) of the University of Mumbai. The College has been bestowed with IMC "Ramkrishna Bajaj Performance Excellence Trophy", 2010.

The Principal of the college was awarded "Best Teacher" by Government of Maharashtra in 2011.

Government of Maharashtra conferred the college with "JAAGAR JAANIVANCHA" (First in Mumbai Suburban- in 2013 and Second in Mumbai Suburban- in 2014) for safety of girls.

**C**ourse Code: **RJBOTC06**

**D**uration: **30** hours

**C**redits : **02**

## LEARNING OUTCOME

Students will be able to

- Propagate plants by using *in vitro* techniques
- Will be able to apply this technique for research in various areas
- Skills required for employability in industry involved in mass propagation of plants using this technique



# COURSE CONTENT

Unit I History, types of tissue culture, sterilization techniques, media preparation

Unit II Seed: Structure and types - Seed dormancy; causes and methods of breaking dormancy

Unit III Micropropagation of explant and study of hardening stages

Unit IV Lab visit and report writing

## ASSESSMENT

Continuous evaluation both theory and practical.



## MEDIUM OF INSTRUCTION

English

## 100 MARKS



## PASSING 40

## WHO SHOULD DO IT?

Any student pursuing UG or Graduate in any branch of Biological Sciences/Agricultural