



R. J. COLLEGE of Arts, Science & Commerce (Empowered Autonomous)

(Hindi Vidya Prachar Samiti's **RAMNIRANJAN JHUNJHUNWALA COLLEGE of Arts, Science & Commerce**)

Opposite Ghatkopar Railway Station, Ghatkopar (West), Mumbai - 400086, Maharashtra, INDIA.

Website: www.rjcollege.edu.in • Email : rjcollege@rjcollege.edu.in • Tel No. + 91 22 25151763

College is recognized under Section 2(f) & 12(B) of the UGC Act, 1956

Affiliated to UNIVERSITY OF MUMBAI || NAAC Re-Accredited 'A' Grade (CGPA: 3.10)

30/10/2024

NOTICE

DEGREE COLLEGE

The Department of Botany is organising a Value-Added Course on **Technological Interventions for Plant Propagation (RJBOTC20)** in the month of November 2024. The duration of the course will be of 30 hours and the mode of evaluation will be continuous. Interested students are requested to enrol their names. Students can refer the college website for more details about the course.



HoD Botany

PRINCIPAL

**RAMNIRANJAN JHUNJHUNWALA COLLEGE
OF ARTS, SCIENCE & COMMERCE (AUTONOMOUS)
Ghatkopar (W), Mumbai-400086, Maharashtra, INDIA**

2019: Star College Status by DBT

2008: Best College by University of Mumbai 2010: IMC RBNQ Award 'Performance Excellence' for the year 2009

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BROCHURE



2023-2024

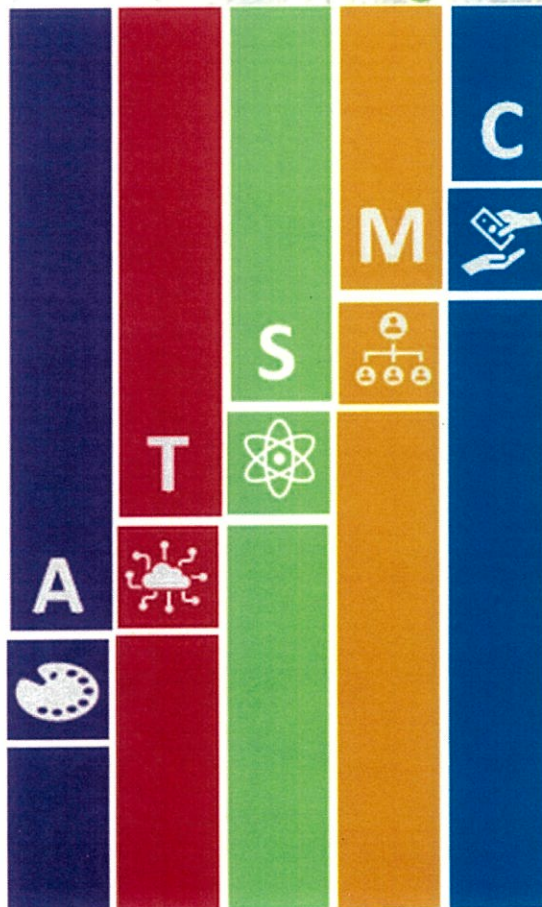
Hindi Vidya Prachar Samiti's

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**

**TECHNOLOGICAL
INTERVENTIONS
FOR PLANT
PROPAGATION**

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CERTIFICATE COURSE IN

TECHNOLOGICAL INTERVENTIONS FOR PLANT PROPAGATION



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.J., 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 reaccruited 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 JAANIVANCHI" (First in Mumbai Suburban- in 2013 and Second in Mumbai Suburban- in 2014) for safety of girls.

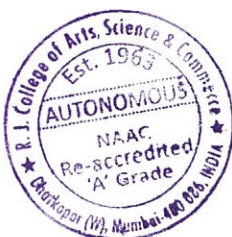
Course Code: **RJBOTC20**

Duration: **30** hours

Credits: **02**

LEARNING OUTCOME

1. To enable learner to propagate plants without soil.
2. Technology enabled alternative, emerging trends in Plant Propagation
3. Use of Technology and automation of Plant Propagation units.



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CERTIFICATE COURSE IN **TECHNOLOGICAL INTERVENTIONS FOR PLANT PROPAGATION**



COURSE CONTENT

UNIT 1

Overview of conventional propagation of Plants, Mineral nutrition

UNIT 2

Hydroponics and Aeroponics: Concept, construction of hydroponics aeroponics unit, preparation of nutrient solution. Plants that can be propagated using these techniques. Plant diseases and management.

UNIT 3

Aquaponics: Concept, construction Concept, construction of aquaponics unit, choice of fishes maintenance of the unit. Plants that can be propagated using this technique. Plant and Fish diseases and their management.

UNIT 4

Introduction to automation Technology.
Visits at least two units and report writing



MEDIUM OF INSTRUCTION

English

EVALUATION

Continuous evaluation

100 MARKS



PASSING 40

WHO SHOULD DO IT?

Any student/staff/personnel



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REPORT

The Department of Botany organised a Value-Added Course in Technological Interventions for Plant Propagation. The course covered topics such as conventional plant propagation, mineral nutrition in hydroponics and aeroponics, construction of related units, and preparation of nutrient solutions. Students learned about plant diseases and their management, as well as aquaponics, including unit construction and fish maintenance. The course also introduced automation technology in plant propagation. Students visited a functional unit and wrote reports on their experiences, enhancing their practical knowledge. 36 students of SYBSc and TYBSc successfully completed the course.





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NAME OF THE SESSION: VAC - Hydroponics and
Aquaponics.

Day: Tuesday Date: 7/11/23 Time: 10 to 12:00 pm

Attendance

Sr. No	Name	Class	Roll No	Signature
1	Sayyed Almas	SYBSc	449	<u>Sayyed Almas</u>
2	Pallavi Bhosale	SYBSc TYBSc	417	<u>Pallavi</u>
3	Sana Shah	Sana TYBSc	517	<u>Sana</u>
4	Swati Shukla	TYBSc	524	<u>Swati</u>
5	Aishwarya Jadhav	SYBSc	447	<u>Aishwarya</u>
6	Vishuambhani Ambre	SYBSc	425	<u>Vishuambhani</u>
7	Ganskruti Sawant	SYBSc	452	<u>Ganskruti</u>
8	JAY. PRAKASH- YADAV	Ty.BSc	504	<u>J.P. Yadav</u>
9	Ranishankar Dubey	SYBSc	458	<u>Ranishankar</u>
10	Rahul Yadav	SYBSc	433	<u>Rahul.Y</u>
11	Akash Yadav	SYBSc	427	<u>Akash</u>
12	Aditya C. Salekar	TYBSc.	526	<u>Aditya</u>
13	Shrishti D. Pal	TyBsc.	518	<u>Shrishti</u>
14	Krutika Tethe	TYBSc	510	<u>Krutika</u>
15	Kaarthullyl Aswathy Rajan	TYBSc	513	<u>Aswathy</u>
16	Singh Reetika S.	TyBsc	501	<u>Reetika</u>
17	Zoya Javed Khan	TYBSc	507	<u>Zoya</u>
18	Zainab Rizwan	TYBSc	511	<u>Zainab</u>
19	Leena J. Mayekar.	TYBSC	544	<u>Leena</u>
20	Chandni Ashfaq Khan.	SYBSC	617	<u>Chandni</u>
21	Kajal G. Patel	SYBSC	434	<u>Kajal</u>
	Gupta Ashvini Rajesh	SYBSC	424	<u>Ashvini</u>

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CERTIFICATE

This is to certify that

SWATI SHUKLA

Of TYBSc (Botany) Roll No: 524 has successfully completed the **Value-Added Course** in
Technological Interventions for Plant Propagation organized by **Department of Botany** in the
Academic Year 2023-2024.


Dr. Himanshu Dawda
Principal



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CERTIFICATE

This is to certify that

RAVISHANKAR DUBEY

Of SYBSc Roll No: 458 has successfully completed the **Value-Added Course** in
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