

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

Affiliated to UNIVERSITY OF MUMBAI II NAAC Re-Accredited 'A' Grade (CGPA: 3.50)

30th November 2019

#### NOTICE

#### **DEGREE COLLEGE**

Department of Botany is organising a Value-Added Course in Climate Change and We from 4<sup>th</sup> December 2019 onwards. Students must enrol for the same. Attendance for all the sessions is compulsory students must also take part in the survey, analysis of the survey and drawing conclusions to map climate and calculate carbon footprints.

AUTONOMOUS COmmon NAAC
Re-accredited
A' Grade

A' Grade

Principal & HOD Botany
PRINCIPAL
RAMNIRANJAN JHUNJHUNWALA COLLEGE
OF ARTS, SCIENCE & COMMERCE (AUTONOMOUS)
Ghalkopar (W), Mumbai-400 086, Maharashtra, INDIA



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NAAC -accredited A' Grade

### R. J. COLLEGE of Arts, Science & Commerce (AUTONOMOUS)

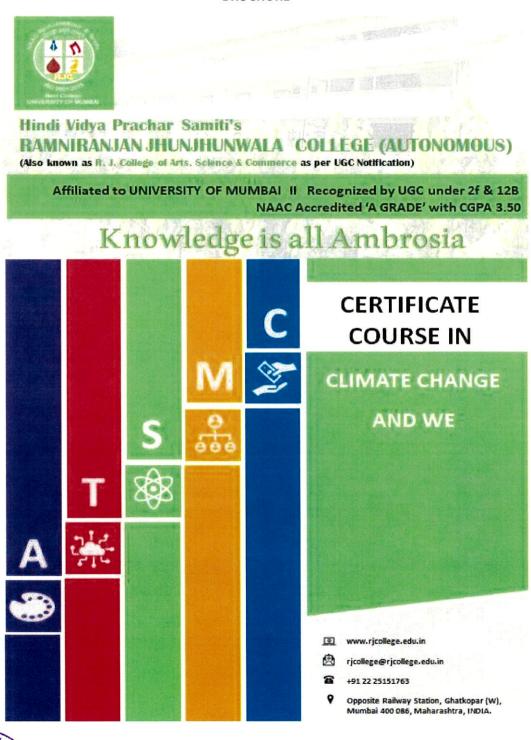
(Hindi Vidya Prachar Samiti's RAMNIRANJAN JHUNJHUNWALA COLLEGE of Arts, Science & Commerce)
Opposite Ghatkopar Railway Station, Ghatkopar (West), Mumbai 400086, Maharashtra, INDIA.

Website: www.rjcollege.edu.in Email: rjcollege@rjcollege.edu.in Tel No: +91 22 25151763 Fax No: +91 22 25150957

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#### **BROCHURE**



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OF ARTS, SCIENCE & COMMERCE (AUTONOMOUS)
Ghatkopar (W), Mumbai-400 086, Maharashtra, INDIA

2019: Star College Status by DBT

2010: Best College by University of Mumbai 2010: IMC RBNQ Award 'Performance Excellence' for the year 2009 2011: 'Best Teacher Award' by Government of Maharashtra 2013: DST-FIST 2014: DBT STAR College



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#### CERTIFICATE COURSE IN

#### CLIMATE CHANGE AND WE



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 JAANIVANCHA" (First in Mumbai Suburban- in 2013 and Second in Mumbai Suburban- in 2014) for safety of girls.

ourse Code: RJBOTC

Credits: 02

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At the end of this course student will be able to

- Learn to calculate Carbon Footprint
- Understand about the various factors responsible for climate change
- Learn about mitigation of climate change



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2019: Star College Status by DBT Ghatkopar (W), Mumbai-400 086, Maharashtra, INDIA

2010: IMC RBNQ Award 'Performance Excellence' for the year 2009

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CERTIFICATE COURSE IN CLIMATE CHANGE AND WE



## COURSE CONTENT

#### UNIT 1

- 1. Climate Change Concept and Mapping
- 2. Weather Vs Climate
- 3. Components of Climate
- 4. Climate Mapping
- 5. Science of Climate Change

#### UNIT 2

- 1. Climate change- Causes and Concerns
- 2. Anthropogenic activities
- Visible Effects on -Biodiversity and Human Life
- 4. Epidemics and calamities

#### LINIT 3

- 1. Climate change- Calculations
- 2. Carbon Footprints Concept and Calculator
- 3. Carbon sequestration Concept

#### UNIT 4

- 1. Climate change Mitigation and Adaptations
- 2. Personal level
- 3. Community Level

2008: Best College by University of Mumbai



AUTONOMOUS NAAC Re-accredited A' Grade

RAMNIRANJAN JHUNJHUNWALA COLLEGE OF ARTS, SCIENCE & COMMERCE (AUTONOMOUS) Ghatkopar (W), Mumbai-400 036, Maharashtra, INDIA

2019: Star College Status by DBT

Best College by University of Mumbai 2010: IMC RBNQ Award 'Performance Excellence' for the year 2009 2011: 'Best Teacher Award' by Government of Maharashtra 2013: DST-FIST 2014: DBT STAR College 2013 & 2014: 'Jagar Jaanivancha Award' by Govt, of Maharashtra 2016: ISO 14001:2015 2016: ISO 9001:2015 2017: ISO 27001:2013



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### Syllabus

#### I. Unit 1

Climate change –Concept and Mapping Weather Vs Climate
Components of Climate
Climate mapping
Science of Climate change

#### II Unit 2

Climate change- Causes and Concerns Anthropogenic activities Visible Effects on –Biodiversity and Human Life Epidemics and calamities

#### III. Unit 3

Climate change- Calculations
Carbon Footprints – Concept and Calculator
Carbon sequestration - Concept

#### IV. Unit 4

Climate change – Mitigation and Adaptations Personal level Community Level



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#### REPORT

Climate change has evidenced a turmoil in changing weather patterns, behaviour of plants and animals, their effect on life on land, life under water is evident. To create awareness on how we are responsible for climate change the course entitled 'Climate Change and We' was conducted by the department of botany and it has been curated by the members of the botany department. Students were created awareness about the factors affecting climate change. They were trained in mapping the climate. Students learnt to calculate carbon footprints which included their own carbon footprint as well as a family how they are saving the planet by reducing the carbon footprint. Students learnt how plants can be the biggest carbon sequesters on this planet and planting trees is one effort to mitigate climate change. Students were taught to mitigate climate change at personal level and community level and trained to spread their awareness among individuals of their locality so that they can take necessary steps to stop of slow down climate change.

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#### PHOTOGRAPHS OF THE VALUE-ADDED COURSE ON CLIMATE CHANGE AND WE



Principal Dr. Usha Mukundan awarding certificate to Ms. Supriya Yadav



Glimpse of Student participants who successfully completed the course on 22<sup>nd</sup> April 2019

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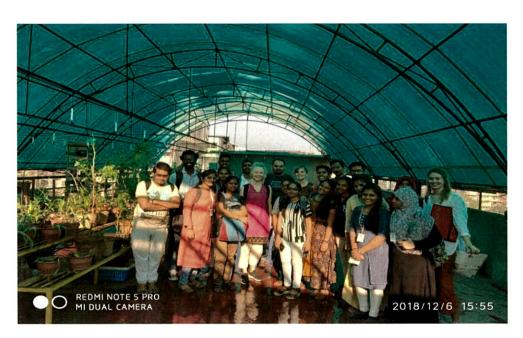
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Students from Sweden during their visit for Climate Change and We

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## ATTENDANCE OF STUDENTS WHO SUCCESSFULLY COMPLETED THE VALUE-ADDED COURSE ON CLIMATE CHANGE AND WE

#### Academic year 2018-19

Sr. No.	Participant's Name	Class	Subject
1	Shraddha D. Ghorpade	TYBSc	Zoology
2	Prasanna J. Vispute	TYBSc	Zoology
3	Abhijeet A Avchare	TYBSc	Botany
4	Anand Y. Pandey	TYBSc	Zoology
5	Rutuja S. Chalke	TYBSc	Zoology
6	Gauri S Nadkarni	TYBSc	Zoology
7	Mohini E. Tayade	TYBSc	Botany
8	Aditi Nate	TYBSc	Chemistry
9	Urwashi S Shukla	TYBSc	Botany
10	Supriya D Yadav	TYBSc	Botany

Dr. Anil E. Avhad
Course Co-ordinator



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#### **CERTIFICATE**



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Affiliated to University of Mumbai

## CERTIFICATE

		This is to ce	rtify that		
Mr./Ms	SUPRIYA D. YA	+DAV			
of Class	TYBSC - BOTANY	, Div: <	_, Roll:	Unique ID:	
has comple	eted 30 hours of Skill Enhand	cement Course in	n_CLIMATE	CHANGE AND	ME
		aı	nd earned 2 cred	lits in the academic ye	ar 2018-2019.
					1 lake
Str				c	Or. Usha Mukundan
	li Enhancement Course J. College				Principal R. J. College



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Hindi Vidya Prachar Samiti's



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**Affiliated to University of Mumbai** 

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of Class	TYBSC -	BOTANY	, Div:	C	, Roll:	, Unique IE	D:	
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				an	d earned 2 cred	its in the acad	emic yea	ar 2018- 2019

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Co-ordinator, Skill Enhancement Course R. J. College



Dr. Usha Mukundan
Principal
R. J. College