



# 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)

## NOTICE

### DEGREE COLLEGE

Research Advisory Committee (RAC) is organising **Anusandhan 2024: Student Project Presentations** to celebrate **National Science Day** on **28<sup>th</sup> February 2024** at 8 am in MPSS Hall. Students interested in presenting their research projects are requested to register themselves.

  
**Dr. Himanshu Dawda**  
Principal

  
**Dr Kiran Kolwankar**  
Convenor RAC



2019: Star College Status by DBT

2008: 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

2018: Autonomous Status by University Grants Commission (No. F. 22-1/2018(AC) - 28.05.2018) & by University of Mumbai (No.Aff./ICD/18-19/440 - 08.06.2018)



# 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)

## BROCHURE



Hindi Vidya Prachar Samiti's  
**RAMNIRANJAN JHUNJHUNWALA COLLEGE (AUTONOMOUS)**  
Ghatkopar-West, Mumbai 400086

### *Anusandhan 2024 : Student Project Presentations*

Organized by  
**Research Advisory Committee (RAC)**

### *To Celebrate National Science Day*

Venue: MPSS Hall  
Tuesday, 28th Feb 2024      Time : 8 am - 11am

National Science Day is celebrated in India on February 28 each year to mark the discovery of the Raman effect by Sir C. V. Raman on 28 February 1928.

Research Advisory Committee of R.J. College is organizing Anusandhan as a part of National Science Day. Student project presentation event is organised to motivate and to develop research aptitude in students at undergraduate and postgraduate level

### *Anusandhan 2024: Inaugural Function*

**Chief Guest: Dr. Sharad Kale**

**Title of the Talk : Sustainable Energy - A challenge facing us**

Venue: MPSS Hall  
Time : 8 am - 9 am

### *Special Invited Presentations by Award Winners*

1. Mr Om Yadav - Gold Medal at Avishkar & 1st Prize at CHIA -3 Innovations
2. Mr. Amit Jaiswar - Selected for 2nd round at Avishkar



PRINCIPAL  
RAMNIRANJAN JHUNJHUNWALA COLLEGE  
OF ARTS, SCIENCE & COMMERCE (AUTONOMOUS)  
Ghatkopar (W), Mumbai-400 086, 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

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

2018: Autonomous Status by University Grants Commission (No. F. 22-1/2018(AC) - 28.05.2018) & by University of Mumbai (No.Aff./ICD/18-19/440 - 08.06.2018)





# 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](http://www.rjcollege.edu.in) • Email : [rjcollege@rjcollege.edu.in](mailto: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)**

## Biodata of Dr. Sharad Kale

Dr. Sharad P Kale is an eminent Indian scientist, who has distinguished himself with significant contributions towards preserving our environment through effective waste management. Currently, he heads the Technology Transfer and Collaboration Division, Bhabha Atomic Research Centre (BARC), Mumbai. He is also a member of the board of Governors of the Mumbai Metropolitan Region-Environment Improvement Society set up in 1996 to support research and implementation activities in the areas of Environment Improvement.

BARC doesn't just do nuclear research. Planning for urban solid waste management within the framework of sustainable development is one of the greatest challenges faced by businesses, government, and the common man in India today. BARC has dedicated several of its best to developing solutions for several of India's problems. A professor of Life Sciences at the Homi Bhabha Institute, Dr. Kale's work aims at finding solutions to these challenges by promoting effective monitoring and management system for the control of pollutants in wastes. He has been instrumental in the establishment of several biodegradable waste management plants, across the country in collaboration with BARC.

'Nisargruna' is an unconventional cost-effective biogas plant for renewable energy, which was recently developed by him. Dr. Kale has developed it on the concept of returning to nature what it has given to humanity in a way that is acceptable to nature. The plant deals with segregating garbage and then decomposing it into biogas with the use of microbes. According to many experts, Nisargruna is now the most feasible solution to urban India's waste disposal woes. At present, there are more than 30 functional plants across the country, with a processing capacity exceeding 100 metric tonnes per day. Dr. Kale is widely known and appreciated for his continued commitment to serious environmental remediation schemes. He was awarded the Padmashri.



PRINCIPAL  
RAMNIRANJAN JHUNJHUNWALA COLLEGE  
OF ARTS, SCIENCE & COMMERCE (AUTONOMOUS)  
Ghatkopar (W), Mumbai-400 086, 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  
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  
Recognized by Ministry of Higher Education (No. F. 22.1/2018/AC) - 28.05.2018) & by University of Mumbai (No.Aff./ICD/18-19/440 - 08.06.2018)



# 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)

## REPORT

On Occasion of National Science Day Dr Sharad Kale Was Invited to deliver a guest lecture on Clean Energy Sustainable Energy. He spoke about the limited source of energy the fossil fuel which cannot take care of the requirements of ever-increasing human greed there are many eternal sources of clean energy among them solar energy finds a unique position in our country where major part of the year in most of the regions there is enough sunshine to provide the required energy. In addition to that he mentioned about the wind energy, hydro electric energy, geo magnetic energy as other source which can be used. The session was interactive and also brought in self-realization of reducing personal carbon footprint. 31 students presented their research projects after the session.



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

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

2018: ISO 27001:2015 2018: ISO 14001:2015 2018: ISO 9001:2015 2018: ISO 27001:2013 & by University of Mumbai (No. Aff./ICD/18-19/440 - 08.06.2018)





# 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](http://www.rjcollege.edu.in) • Email : [rjcollege@rjcollege.edu.in](mailto: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)

## PHOTOGRAPHS OF THE NATIONAL SCIENCE DAY CELEBRATED ON 28/02/2024



Dr Sharad Kale interacting with the participants of the session



Enthusiastic students during the session



**PRINCIPAL**  
RAMNIRANJAN JHUNJHUNWALA COLLEGE  
OF ARTS, SCIENCE & COMMERCE (AUTONOMOUS)  
Ghatkopar (W), Mumbai-400 086, 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

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

2018: Autonomous Status by University Grants Commission (No. F. 22-1/2018(AC) - 28.05.2018) & by University of Mumbai (No.Aff./ICD/18-19/440 - 08.06.2018)





# 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)

## LIST OF STUDENT PARTICIPANTS OF ANUSANDHAN 2024

### Anusandhan 2024 : Arts

Sr. No.	Last name	First name	Class	Sr. No.	Last name	First name	Class
1	Nikitha	Banda	MAEMA part 2	8	Acharya	Raschi	MA EMA 2
2	Bhoir	Onasvi	MAEMA Part 1	9	Dubey	Rama	TYBA
3	Naik	Harshvardhan	MAEMA	10	DHURI	VARSHA	TYBA
4	Sodeshi	Ishant	MAEMA	11	Mishra	Saakshi	TYBA
5	Chachad	Samruddhi	MAEMA-1	12	Rai	Priya	TYBA
6	PANDEY	PRIYANSHI	TYBA				TYBA -
			MAEMA	13	Newalkar	Anushka	ECONOMICS
7	Dubey	Neeraj	PART-1				

### Anusandhan 2024 : Commerce

Sr. No.	Last name	First name	Class
1	Gupta	Sabil	
2	Rai	Achal	FYBCom
3	Shinde	Vinay	SYBBI
4	Tiwari	Sakshi	TYBBI
5	Shetye	Riddhi	Tybbi
6	Sharma	Chhama	SYBBI
7	PALAV	PRACHI	SYBBI
8	Maurya	Neha	TYBBI

### Anusandhan 2024 : Science Session I Computer Science and Statistics

Sr. No	Last name	First name	Class
1	Patel	Anjali	TYCS
2	Mudaliar	Jayalaxmi	TYCS
3	Singh	Kamlaksh	TYCS
4	Shukla	Rudrapratap	SYCS
5	Dube	Vishnu	TYCS
6	Yadav	Akhilesh yadav	TYBSc
7	Patel	Akash	TYBSc
8	Tiwari	Khushi	FYBSc
9	Gupta	Karan	FYBSc
	Pal	Sakshi	FYBSc Statistics



PRINCIPAL  
RAMNIRANJAN JHUNJHUNWALA COLLEGE  
OF ARTS, SCIENCE & COMMERCE (AUTONOMOUS)  
Ghatkopar (W), Mumbai-400 086, 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

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

2017: ISO 27001:2013 2018: ISO 27001:2013 2019: ISO 27001:2013 2020: ISO 27001:2013 2021: ISO 27001:2013 2022: ISO 27001:2013 2023: ISO 27001:2013





# 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](http://www.rjcollege.edu.in) • Email : [rjcollege@rjcollege.edu.in](mailto: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)

## CERTIFICATE



Hindi Vidya Prachar Samiti's  
**R. J. COLLEGE OF ARTS, SCIENCE & COMMERCE**  
**(EMPOWERED AUTONOMOUS)**  
Opposite Ghatkopar Railway Station, Ghatkopar (W), Mumbai 400 086.

**CERTIFICATE**

This is to certify that

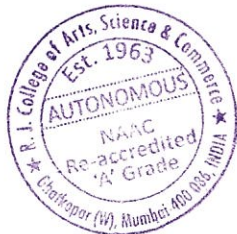
**Ms. Bhoir Onasvi**

Class **MAEMA I** Roll No: **09**

Participated in Anusandhan - Student Project Presentations organized  
by RAC on 28<sup>th</sup> February, 2024.

  
Dr. Himanshu Dawda  
Principal

PRINCIPAL  
RAMNIRANJAN JHUNJHUNWALA COLLEGE  
OF ARTS, SCIENCE & COMMERCE (AUTONOMOUS)  
Ghatkopar (W), Mumbai-400 086, 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  
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