



# 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

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: 3.50)

## Anusandhan 2022-23

Student Project Presentation

### ANNOUNCEMENT FOR STUDENTS

Date: 20/01/2023

Dear Students,

This is a notification for *Anusandhan 2023: Student Project Presentation* organized by the Research Advisory Committee on the National Science Day, that is, **28<sup>th</sup> February 2023**. To be eligible to participate, you should have carried out a project either under supervision of a guide or independently. Student has to give presentation under following headings:

- Objective
- Experimental methods
- Observations
- Analysis and interpretation of data
- Result

Each student will get 10 minutes (presentation + discussion/ Q & A). Register for the event using the following QR code.



Last date of registration is **10<sup>th</sup> Feb 2023**.

All the presentations will be evaluated and a certificate will be issued mentioning the grade.

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



  
RAC coordinator

  
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  
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 (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

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: 3.50)

## Brochure

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

**Anusandhan 2023 : Student Project Presentations**

Organized by  
Research Advisory Committee (RAC)

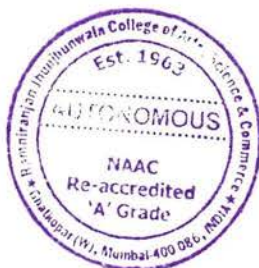
**To Celebrate National Science Day**

**Diamond Jubilee Activity**

Under DBT STAR scheme

Venue: MPSS Hall

Tuesday, 28th Feb 2023 Time : 10:30 am - 2:00 pm



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 (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

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: 3.50)

## PROGRAM SCHEDULE

<p style="text-align: center;"><b><i>Inauguration</i></b> 10.30 to 11.30 am MPSS hall <b>Ms Aasiya Chougule</b> (Selected for inter university Avishkar competition 2022-23) MA English Part II student on <b>Hegemonic Masculinity in Girish Karnad's Nagamandala</b> Introduction by Dr. Asawari Mokal</p>
--

## PROJECT PRESENTATIONS

Sessions	Timing	Venue	Judges	Teacher incharge
Science Session I Chemistry+ Bio+ Biotech	11.45 am onwards	Bio lab-3	Dr. Vaishnavi Shridhar Prof. Sanika Gupte	Dr. Janhavi Bhagvat
Science Session II Physics and statistics	11.45 am onwards	Physics lab-3	Dr. Devraj Pawar Prof. Jayshankar Singh	Prof. Chinmay Bapat
Arts and commerce	11.45 onwards	MPSS	Dr. Sucheta Joshi Dr. Rina Puradkar	Prof. Devashree Ghorpade



  
**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 (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

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: 3.50)

## Research Advisory Committee

### Anusandhan 2022: Student Project Presentations 2023

The Research Advisory Committee of Hindi Vidya Prachar Samiti's Ramniranjan Jhunjhunwala College (Autonomous) Ghatkopar relived its scientific and academic glory as it celebrated National Science Day Tuesday, 28 February 2023 at 10.00 a.m. an interdisciplinary event was titled as Anusandhan: Classic Paper Presentation. Dr. Himanshu Dawda, the Principal, stood at the ceremony to deliver the welcome address. Program was inaugurated with special invited presentations by award winners in Avishkar 2022. First special invited talks were given by Mrs. Pooja Bhardwaj on "CSR Initiatives Undertaken by FMCG Companies for Senior Citizens", Ms Aasiya Chougule - Hegemonic Masculinity in Girish Karnad's Nagamandala and Mr. Rabindra Singh - Universal, Cost efficient Outdoor Air Purifier. The inaugural session was followed by the three parallel sessions of paper presentations of undergraduate and postgraduate students of various disciplines- Arts/Commerce, Science session I and Science session II which was also evaluated by the expert teachers of the college. 33 students registered out of that 21 students from Physics, Chemistry, Botany, Biotechnology, Psychology, Economics and Languages participated in the program and presented their discoveries in various branches of knowledge.

Names of the Judges:

Arts and Humanities : Dr. Sucheta Joshi. & Dr. Rina Pitale Puradkar

Venue: MPSS Hall

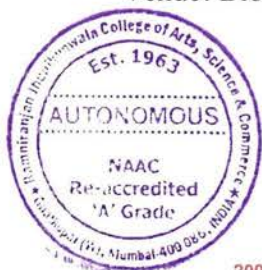
Science: Chemistry Physics: Dr. Vaishnavi Shridhar & Dr.Devraj Pawar.

Venue: Physics lab

Botany & Zoology : Dr.Sanika Gupte & Dr. Janhvi Bhagwat

Venue: Bio lab

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 (AUTONOMOUS)

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

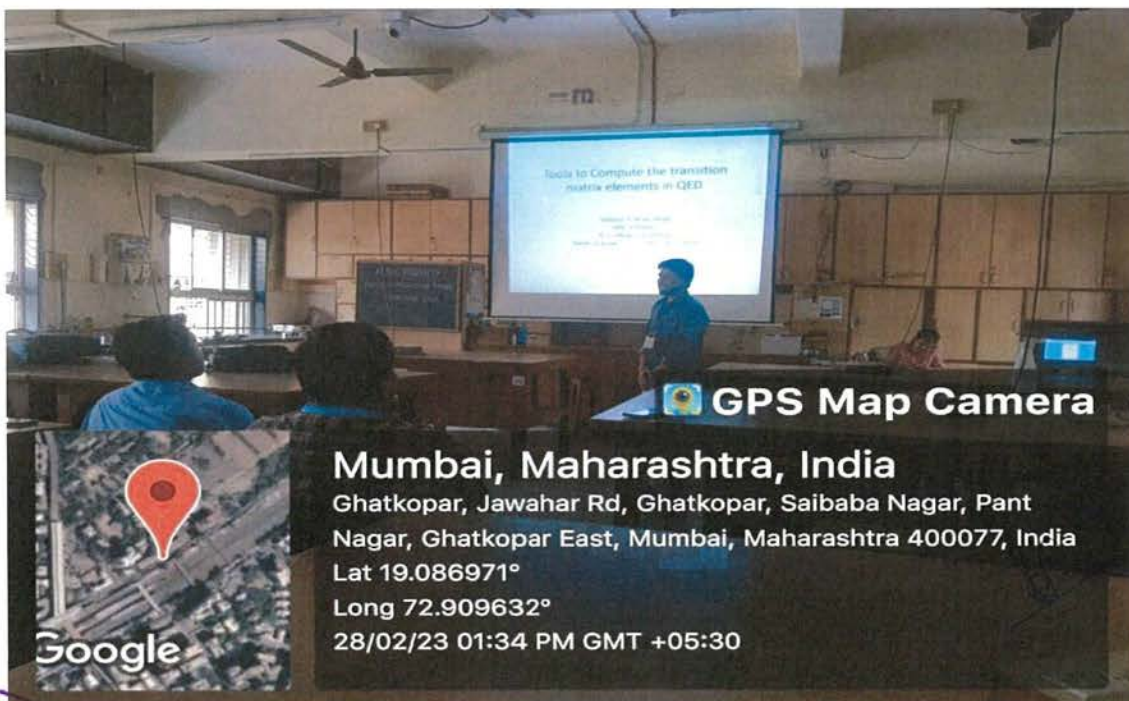
Opposite Ghatkopar Railway Station, Ghatkopar (West), Mumbai 400086, Maharashtra, INDIA.

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

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: 3.50)

## PHOTOGRAPHS OF STUDENTS AND TEACHERS DURING ANUSANDHAN 2022-2023



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 (AUTONOMOUS)

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

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

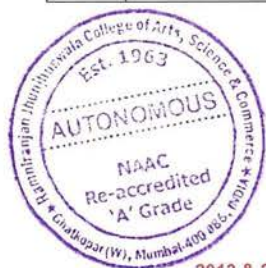
Website: www.rjcollege.edu.in Email: rjcollege@rjcollege.edu.in Tel No: +91 22 25151763 Fax No: +91 22 25150957

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)

## LIST OF STUDENTS REGISTERED FOR ANUSANDHAN

Sr No	Last name	First Name	Class	Subject	Name of the project
1	Chandaliya	Siddhita	TYBSc	Botany	Carbon sequestration potential of tree species at Shahid Hemant Karkarey Udyan.
2	Kher	Abhishek	MSC Part 2	Physics	Magnetospheric Multiscale Mission Data Analysis
3	Kadu	Aashay	MSc	Physics	Conservation of Heritage Sites using Nanotechnology
4	Prajapati	Raj	M.Sc II	Physics	Data analysis of Swarm Satellite over Indian Region
5	Mishra	Shivam	TYBSc	Statistics	Shivam Mishra
6	ADALL	DEEPAK	SYIT	MARKETING	THE CASE STUDY OF MLM(MULTI LEVEL MARKETING)
7	Sahu	Priyanka	Syba	Hindi	घुस एक चिकनाई ( भ्रष्टाचार )
8	Thorat	Prajakta	Tyba	Political science	Conservation of forts in Maharashtra
9	Mhaske	Apurva	TYBA	History	Conservation of Forts in Maharashtra.
10	Dhage	Vaibhav	MSc -II	Physics	Self energy correction for electron
11	Dubey	Rishabh	MSc part 2	Physics	Computational study of reactivity of molecular oxygen and carbon monoxide with nanoparticles
12	Prajapati	Anjali	MSc-2	Physics	Computational study of reactivity of molecular oxygen and carbon monoxide with nanoparticles.
13	Menon	Vaishnavi	MSc Part 2	Biotechnology	Elucidating the fate of melanogenesis genes involved in post burn hypopigmentation
14	JADHAV	SHUBHAM	M. Sc. Part 2	Chemistry	Preparation and investigation of structural, thermal and spectroscopic properties of double salt/s involving metal-non-metallic cation combination.
15	Naazra	Farooqui	SYBA	Psychology	Family satisfaction: Self efficacy
16	Barun	Kirti	SYBA	Psychology	Is positive thinking associated with the ability to let go? : Correlation between Optimism and Forgiveness
17	Shinde	Chinmay	TYBSC	Statistics	A study of influencing factors towards preference of multiplex against OTT platforms
18	Pandey	Vaishali	TYBSc	Statistics	A study of influencing factors towards preference of multiplex against OTT platforms
19	Kori	Anuja	SYBA psychology	Psychology	Is positive thinking associated with the ability to let go? : Correlation between Optimism and Forgiveness



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 (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

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: 3.50)

20	sawant	akshata	Syba	Psychology	Is positive thinking associated with the ability to let go .
21	Chougule	Aasiya	M.A English Part 2	English literature	Hegemonic Masculinity in Girish Karnad's Nagamandala
22	Gupta	Sejal	SYBA	Psychology	Is positive thinking associated with the ability to "Let Go"?
23	Khan	Shahin	MSC BT 2	Biotechnology	Standardization of the Pigment Extraction Process from Pseudanabaena limnetica and Pseudanabaena spp. using different buffer system and to study its stability in various polysaccharide.
24	Dere	Sushant	SYBCOM	Research on Falguni Nayar	Falguni Nayar
25	Yadav	Ajit	SYBSc	Chemistry	Experimental investigation of conductance of electrolytes using conductivity meter.
26	Mishra	Riya	Sybsc	Chemistry	Kinetic and statistical study of acid catalysed hydrolysis reaction of methyl acetate
27	Yadav	Shailesh Kumar	SYBSC	Chemistry	Kinetic and statistical study of acid catalysed hydrolysis reaction of methyl acetate
28	Yadav	Divakar	Sybsc	Chemistry	Experimental investigation of conductance of electrolyte by using conductivity meter.
29	Bhairi	Khushi	SYBA	Psychology	IDEAS OF SELF WORTH, HOPEFULNESS, AND RECOVERING FROM SET BACKS:A CORRELATIONAL STUDY
30	Pandey	Komal	SYBA	Psychology	IDEAS OF SELF WORTH, HOPEFULNESS, AND RECOVERING FROM SET BACKS:A CORRELATIONAL STUDY
31	Mohile	Sakshi	TY BCOM	Finance	Budget 2023
32	Rajwal	Bhavishi	SYBA	Psychology	Bhavishi Rajwal
33	Yadav	Om	TYBSc	Botany	Adsorption of heavy metals from aqueous solutions using fibres of Ceiba pentandra



  
**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 (AUTONOMOUS)

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

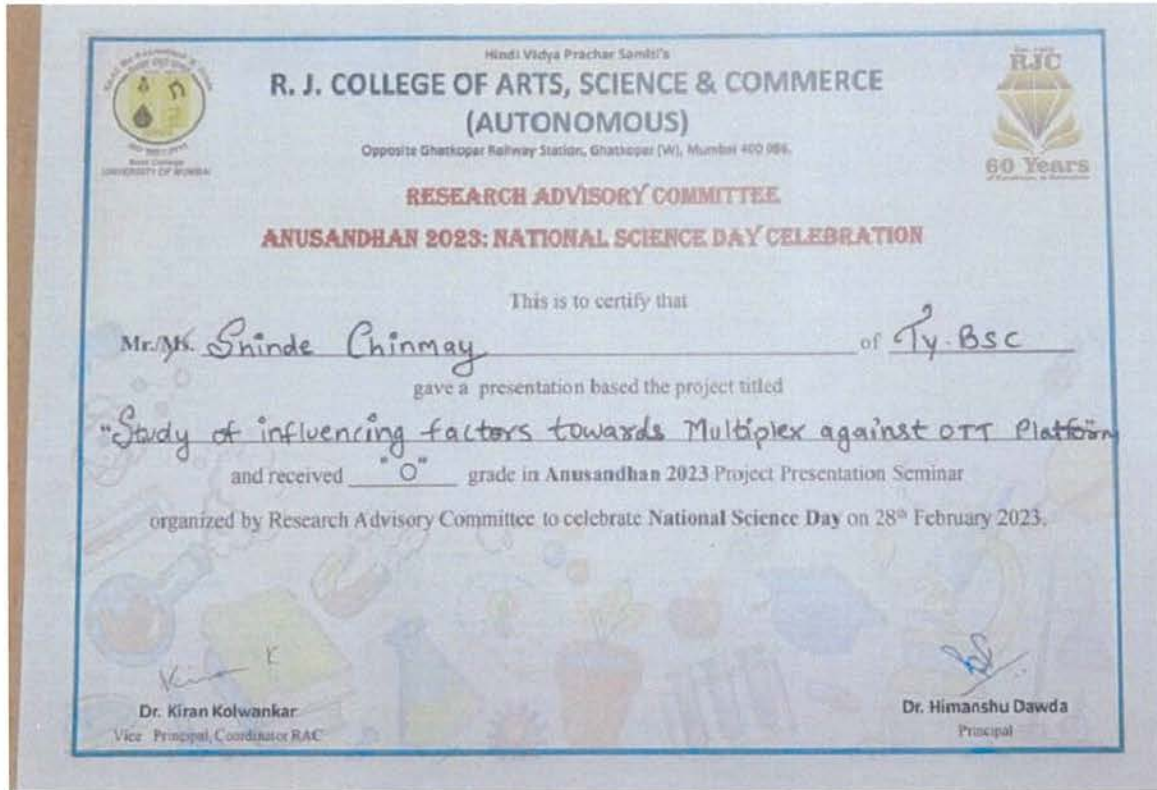
Opposite Ghatkopar Railway Station, Ghatkopar (West), Mumbai 400086, Maharashtra, INDIA.

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

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: 3.50)

## CERTIFICATE



  
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)