

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

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

03/10/2022

NOTICE

DEGREE COLLEGE

Department of Physics is organising a Value-Added Course on Modeling and Simulation from 10 October 2022 onwards. The resource person for the value-added course will be Mr. Shreerang Sundaram from Energy Science and Engineering Department, IIT Bombay. On successful completion students will be eligible for 2 credits.

Date: 10th October 2022 onwards

Time: 2 pm onwards.

HoD Physics

PRINCIPAL
RAMNIRANJAN JHUNJHUNWALA COLLE
OF ARTS, SCIENCE & COMMERCE (AUTONOMO
Ghatkopar (W), Mumbar-400 086, Maharashitra, IN





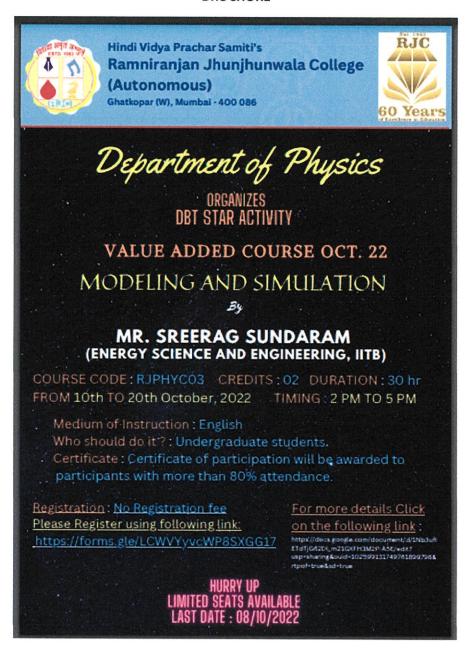


(Hindi Vidya Prachar Samiti's RAMNIRANJAN JHUNJHUNWALA COLLEGE of Arts, Science & Commerce)

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BROCHURE





PRINCIPAL

RAMNIRANJAN JHUNJHUNWALA COLLUGE
OF ARTS, SCIENCE & COMMERCE (AUTONOMOUS)
Ghatkopar (W), Mumbai-400 086, Maharashtra, IND: 4



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

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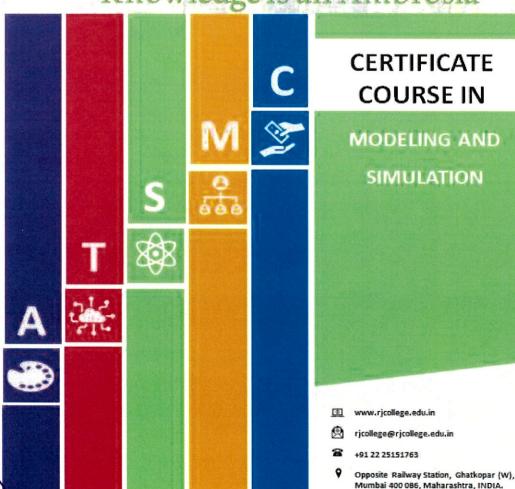
Hindi Vidya Prachar Samiti's

RAMNIRANIAN IHUNIHUNWALA

(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



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 STAP College

PMINCIPAL

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Shakepar (W), Mumbai-400 086, Maharashtra, IND

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2014: DBT STAP College

2019: Star College Status by DBT

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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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CERTIFICATE COURSE IN MODELING AND SIMULATION



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: RJPHYC03

Duration: 30 hours

Credits: 02

At the end of this course student will be able to

- Understand the basic electronic components and their application in constructing a circuit.
- Learn to use Phyphox App and carry out experiments
- Use GNUPlot Software to generate graphs and





RAMNIRANJAN JHUN BUNWALA COLLEGE OF ARTS, SCIENCE & CUMMERCE (AUTONOMOUS) Ghatkopar (W), Mumbai-400 086, Maharashtra, INDIA

2019: Star College Status by DBT



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CERTIFICATE COURSE IN

MODELING AND SIMULATION



Module 1: Introduction to Electronics

Module 2: Circuit Designing and Construction

Module 3: Co-ordinate System and Constellation

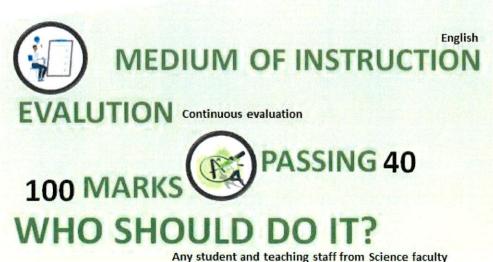
Module 4: Introduction to Telescope

Module 5: Observation Activity

Module 6: Introduction to Phyphox I

Module 7: Introduction to Phyphox II

Module 8: Introduction to 'GNUPlot' Software



2019: Star College Status by DBT

RAMNIRANJAN JHUN. 2010: IMC RBNQ Award 'Performance Excellence 15 (W) Mumbai 400 036, Maharashtra, INDIA

2008: Best College by University of Mumbai 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



Re-accredited

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HINDI VIDYA PRACHAR SAMITI'S RAMNIRANJAN JHUNJHUNWALA COLLEGE (AUTONOMOUS) GHATKOPAR (W) MUMBAI - 86. **Department of Physics**

Date: 10th – 20th October 2022

Timing: 2 pm to 5 pm

Topic: Modelling and Simulation, Octave.

(Last 20 mins from Lecture 3 would be devoted to discussion of projects. If any.)

Sr. No.	Day			Comment	
1	Monday			Project Groups	
2 ,	Tuesday	11/10/22	Data structure and loops (iterations).Strings.		
3	Wednesday	12/10/22	Functions pass by value/ pass by reference.I/O operations.		
4	Thursday	13/10/22	Plotting + graphics (2D and 3D).Hands-on tutorial.	Last day to finalise project topics.	
5	Friday	14/10/22	Differential Equations.Numerical methods.		
6	Saturday	15/10/22	Tutorial.Topic-based case study: Mechanics(SHM)	Students are now equipped to take on projects themselves.	
7 1963	Monday	17/10/22	Topic-based case study:Heat transfer.		

08: Best College by University of Mumbai

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4: 'Jagar Jaanivancha Award' by Govt, of Maharashtra 2016: ISO 14001:2015 2016: ISO 9001:2015 2017: ISO 27001:2013 atus 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)



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REPORT

A value-added course on 'Modeling and Simulation' was conducted from October 10 to 20, 2022 by Mr Shreerang Sundaram, Energy Science and Engineering Department, IIT, Bombay.

No. of beneficiaries: 30 UG students, 19 successfully completed the course.



RAMNIRANJAN JHUNJHUNWALA COLLEG OF ARTS, SCIENCE & COMMERCE (AUTONOMOU: Ghatkopar (W), Mumbai-400 086, Maharashtra, INDI



AUTONOMOUS NAAC

Re-accredited 8

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RAMNIRANJAN JHUNJHUNWALA COLLEGE. (Autonomous)

GHATKOPAR (w) MUMBAI - 86, PHYSICS DEPT. 10/10/2022. VALUE ADDED COURSE

Attendance Record

SR. NO.	Class Roll No.	Name of the Students	Date	Date	Date	Date
1	226	Vishwakarma Gopi	15/10/20	יבומובו	120 10 20	+
2	305	Rai Vishvajeet M.		Villa Pui	1000	+
3	229	Javdekar Mayuri	Mayuri	Vilhir	James	丰——
4	223	Shinde Mithilesh	600	a.	8	
5	09	Yadav Shivam	trivary	tun al	1	,
6	211	Pal Arvind	(2)		tionam	4
7	218	Chauhan Sneha	1	*	PRO	-
8	234	Maurya Roshan D	Buton	Beeles	Buchan	
9	12	Prasad Sachin kumar	The state of the s	Resident	Restrict	-
10	15	Shaikh Daraksha	Bechin	Sachia	Salin	Selen
11	559	Avinash kumar	1- 0.40			
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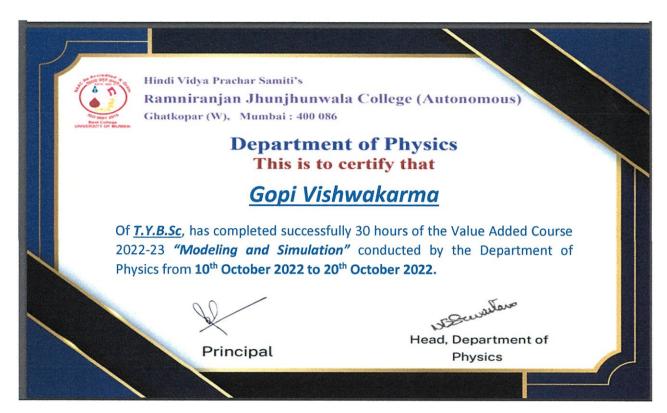
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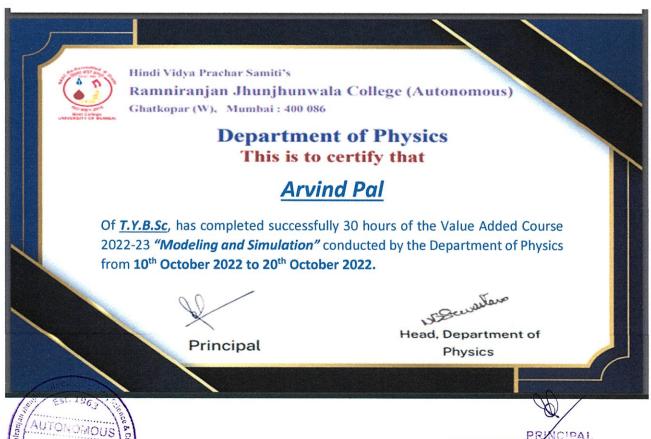
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Certificates





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