



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)

15/04/2022

Notice:

Department of Physics invites you for

“Summer Course 2021-22”

Time: 10:00 am to 1:00 pm

Venue: Physics Lab 1

27th April 2022
Hands-on session on Raspberry pi for Physics Experiments
Resource person: Ms Archana Bhide, IT Dept.
Projects using Raspberry pi

All are cordially invited!

M B Srivastava

Head, Department of Physics

[Signature]
Principal



[Signature]
PRINCIPAL
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Brochure

Hindi Vidya Prachar Samiti's
Ramniranjan Jhunjhunwala College
of Arts, Science and Commerce (Autonomous)
Ghatkopar West, 400086

Summer Course 2022

Department Of Physics

25-27 Apr

This summer learn something new and exciting!

Level up your skills

With this summer course, you will learn something new and exciting. You will learn about the latest in physics and how to use it in your daily life. You will also learn how to use a Raspberry Pi to do some of the things you have learned in class.

what you will learn:

- Monte Carlo Simulation**
Monte Carlo methods are a class of computational algorithms that rely on repeated random sampling to obtain numerical results. The concept is to use randomness to solve problems that might be deterministic in principle.
- Random walk**
Random walk, in probability theory is a process for determining the probable location of a point subject to random motions.
- Raspberry Pi**
Raspberry Pi(s) are fun little computers that can be used for learning programming and building practical projects. They are also highly affordable.

Registration link:
<http://forms.gio/G2AGa70ZF370>

Schedule on next page

Summer Course Schedule:

25 Apr Monday 10:00 AM
Talk : Monte Carlo Simulation
Talk : Introduction to Raspberry Pi

Event: Crossword
Event: Quiz
26 Apr Tuesday 10:00 AM

Activity: Random walks in Probability

27 Apr Wednesday 10:00 AM
Hands on session: Raspberry Pi for Physics Experiments
Projects using Raspberry Pi
Certificate distribution
Valedictory function

Principal
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Profile of the Resource Person



Name : Archana Bhide.
DOB : 09/13/1977.
Address : 1406 Ruby Apt,
Nirmal Lifestyle,
L.B.S. Marg,
Mulund (west)
Phone : 9324087919/ 25915096.
Email : archanabhide@gmail.com

Education :

Microsoft Certified Programmer

Subject: SQL Server 7.0

Diploma in Software Engineering June 2000.

Pentasoftware Education,

Chennai.

Subjects:

Oracle, Visual Basic 6.0, Java, C++, Web
Designing using HTML & DHTML.

M. Sc. (Physics – Electronics) (Masters Degree in Science) May 1999

Guru Nanak Khalsa College,
Mumbai university, India.

Specialization Subjects:

Microprocessor & Microcontroller Designing
Subjects:

Solid State Physics & Electronics, Statistical
mechanics, Software Programming with
pascal.

Project topic:

Design and software control of Stepper
motors.

Regulated Power Supply

B. Sc. (Physics) (Bachelors Degree in Science) May 1997.

Guru Nanak Khalsa College,
Mumbai University, India.

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Interests and Skills:

Software Development:

- Worked as a project guide for students of Information Technology in Avishkar competition conducted by university of Mumbai
- Developed database designing projects for – Bhabha Atomic Research Center, Air India, BAAN.

Work Experience :

- Working as coordinator for B.Sc. I.T. in R. J. college, Ghatkopar since July 2007.
- Worked as a full time lecturer in Computer Science in Wilson College, Chowpatty, Mumbai for three years.
- Worked as a lecturer & course coordinator for B.Sc. (Information Technology) in National College affiliated to university of Mumbai for three years.
- Teaching experience in Computer Science, Electronics and applied Physics
- Worked as a lecturer coaching students for Remedial Physics in S.N.D.T. University, Bombay.
- Worked as a lecturer caching theoretical and practical physics in Priyadarshini College affiliated to Osmania University, Hyderabad.
- Been a volunteer for EP schools and community college, Eden Prairie, MN, USA
- Member, Board of studies, St Xavier's college from 2017 – 2020.
- Member, Syllabus Committee, R A Pendharkar College, Dombivli



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Report

A hands-on session of Raspberry pi was organized by the Department of Physics. The resource person for the session was Ms. Archana Bhide Assistant Professor, Department of Information Technology R J College. The students learnt how to simulate Physics experiments using Raspberry pi. 29 students registered and completed the course.



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Photos



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DEPARTMENT OF PHYSICS SUMMER COURSE IN PHYSICS 2021-22 ATTENDANCE SHEET

DAY WEDNESDAY

DATE 27/04/2022

- EVENT
1. Hands on session - Raspberry Pi for Physics Experiments [Temperature Measurement]
 2. Projects using Raspberry Pi

Sl. No.	Name of the Student	Class/Div	Roll Number	Signature
1	Vyom Vivek Kulkarni	FY B Sc/A	63	
2	Saish Mukund More	FY B Sc /D	758	
3	Riddhi Ajeet Singh	FY BSC /D	757	
5	Animesh Sudam Sawant	FY B Sc /A	19	
6	Naemur Rehman Shaikh	FY B Sc /D	751	
7	Ashish Anand Prajapati	S Y B Sc /B	225	
8	Sameer Tiwari	S Y B Sc /B	230	
9	Akhilesh Jayprakash Pal	S Y B Sc/B	108	
10	Nitesh Giri	S Y B Sc /B	207	
11	Mithilesh Rajdatta Shinde	S Y B Sc /B	226	
12	Amjad Ansari	S Y B Sc /B	240	
13	Gopi Panchamram Vishwakarma	S Y B Sc /B	232	
14	Sonika Sunder Soni	S Y B Sc /B	229	
15	JASWANTH NARSINGH PANDEY	S Y B Sc/B	222	
16	UJWAL SANJAY VARMA	S Y B Sc/B	231	
17	Ujala Indrapal Yadav	S Y B Sc /B	238	
18	Sachin Kumar	FY Bsc/B	314	



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DAY WEDNESDAY

DATE 21/06/2022

- EVENT 1 Hands on session Raspberry Pi for Physics Experiments
[Temperature Measurement]
2 Projects using Raspberry Pi

18	Prajapati Ashish Anand	S Y B Sc /B	226	
19	Chinmay Sanjay Shinde	S Y B Sc /B	343	Chinmay Shinde
20	Vishal kumawat	S Y B Sc /B	213	
21	SHAH SAFIYA SAMIULLAH	S Y B Sc /A	30	
22	Ashana Ansari	S Y B Sc /B	202	Ashana Ansari
23	Ashana Ansari	S Y B Sc /B	202	
24	Sneha Suryabhan Chauhan	S Y B Sc /B	203	Sneha
25	Ujwal Sanjay Varma	S Y B Sc /B	231	Ujwal
26	Prajapati sachin ganesh	S Y B Sc /A	26	
27	Asif Azimuddin Siddique	S Y B Sc /B	227	
28	Roshan Durgesh Maurya	S Y B Sc /B	216	
29	Vishal kumawat	S Y B Sc / B	213	




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Ghatkopar (West), Mumbai : 400086

Department of Physics

SUMMER COURSE 2022

This certificate is awarded to

Saish Mukund More

CLASS: FYBSc ROLL NO.: 758

has successfully participated in Summer Course
held on 25 April to 27 April 2022.



Dr. Himanshu Dawda
Principal



Dr. Neeta B. Srivastava
Head, Department of Physics



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