



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)

Notice

Intracollegiate Poster Competition

Organised on

Tuesday, 12th January, 2021

(DBT Star College Activity)

Dear Students

Department of Statistics is organizing Poster Competition for students of R J College offering Statistics in First year B Sc

Details of the competition given below:

Topics

- 1) Collection and presentation of Data on any current situation
- 2) Presentation of Discrete Probability Distributions (Uniform, Binomial, Poisson , Hypergeometric)

Last date for submission

12/01/2021

Department of Statistics will share Google classroom link and students should submit poster only via link

All participants will get e certificates of participation and winners will get exciting prizes once college reopens

Interested students should contact

Jay Sir 8652136895

Thank you

Mrs Jayashree V Vaze

Head Department of Statistics



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2019: Star College Status by DBT

2008: Best College by University of Mumbai 2010: IMC RBNQ Award 'Performance Excellence' for the year 2009

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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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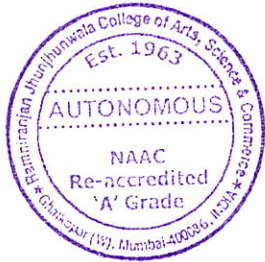
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List of Participants:

Sr. No.	Name of Participants	Roll Number	Class
1	Kavita Chaurasiya	706	F.Y.B.Sc
2	Vaishali Dhananjay Pandey	754	F.Y.B.Sc
3	Geeta Patel	908	F.Y.B.Sc
4	Shivam Mishra	800	F.Y.B.Sc
5	Chandraketika Patel	758	F.Y.B.Sc
6	Kunal Singh	778	F.Y.B.Sc
7	Gopi Vishwakarma	788	F.Y.B.Sc
8	Shradhha Tiwari	782	F.Y.B.Sc
9	Chinmay Shinde	775	F.Y.B.Sc
10	Sneha Chauhan	705	F.Y.B.Sc
11	Anjali Prajapati	763	F.Y.B.Sc




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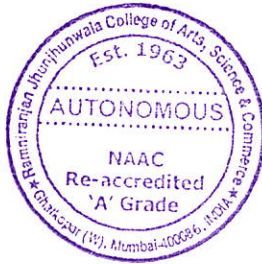
An Intracollegiate 'Poster competition' was organised for students offering Statistics in F.Y.B.Sc. on 12th January, 2021. 'Collection and presentation of data on any current situation' and 'Presentation of Discrete Probability Distribution (Uniform, Binomial, Poisson, Hypergeometric)' were topics for the competition.

In all 11 students participated in this competition. For this competition the first prize winner was **Ms. Sneha Chauhan** and **Ms. Anjali Prajapati** won second prize.

The Department of Statistics always encourages students' participation in competitions for their creative development.

The aim for this competition was to make students aware of and think on how pictorial presentation of Statistics can be done. Students did remarkable work and enjoyed their creativity.

Number of Beneficiaries : 11 Students from F.Y.B.Sc.




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First Prize

Sneha Chauhan
Div - D
Roll no - 705

What role has statistics to play in fighting Covid-19

Everybody in our society is eager to know the latest news about the covid-19. Further, the numbers of newly infected persons, death rates and other epidemiological facts. The role of statistics in epidemiological studies and public health cannot be underestimated. Statistics is the friend of the subject. Therefore, no statistics, no information and no intervention.

Current Situation of covid 19 in india

From the data on immediate plot is the latest India timeline of Infected, Recovered and Deceased on a daily basis. The total number of covid-19 cases in India is now at 1,04,66,839 with 1,00,02,909 recoveries, and 1,51,160 deaths.

Maharashtra also reported the most 54 deaths, followed by Kerala (13), West Bengal (10), Uttar Pradesh (11) and Delhi (12). These five states account for 65 percent of all the new deaths reported across the country.

Kerala reported the most (4,819) new cases in the last 24 hours, followed by Maharashtra (3,858), West Bengal (271), Karnataka (192) and Tamil Nadu (174). These five states account for 64 percent of all the new cases reported in India.

India's recovery rate is now 86.4 percent. Kerala recorded 4,659 new recoveries, the most, followed by Maharashtra (2,301), Chattisgarh (82), West Bengal (99) and Tamil Nadu (89).

Second prize

Anjali Prajapati
Roll No - 763

POISSON DISTRIBUTION

Poisson Distribution is a distribution function useful for characterizing events with very low probabilities of occurrence within some definite time or space.

FORMULA: $P(x) = \frac{e^{-\lambda} \lambda^x}{x!}$

where λ is the Euler's Constant (2.71828) and x is the Mean no. of occurrence in the interval.

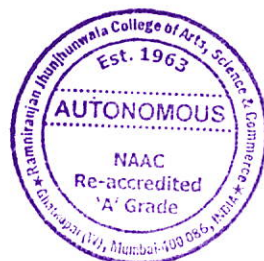
GRAPH:

Notation	Poisson
Parameters	$\lambda \in (0, \infty)$ (rate)
PMP	$\frac{\lambda^k e^{-\lambda}}{k!}$
Mean	λ
Median	$\lceil \lambda + 1/3 - 0.02/\lambda \rceil$
Mode	$\lfloor \lambda \rfloor - 1, \lfloor \lambda \rfloor$
Variance	λ

EXAMPLES:

- The number of patients arriving in an emergency room between 10 am to 11 am.
- The number of laser photons hitting a detector in a particular time interval.
- The number of cases of a disease in different towns.

Sriya



[Signature]
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DEPARTMENT OF STATISTICS

Certificate of Participation

This certificate is awarded to Mr./Ms. **Sneha Chauhan** of Ramniranjan Jhunjhunwala College for securing **First Prize** in **Poster Competition** organized by the Department of Statistics of Ramniranjan Jhunjhunwala College, Ghatkopar (W), held on 12th January 2021.

Mrs. Jayashree Vaze
Head, Dept. of Statistics

Dr. Himanshu Dawda
In-charge Principal



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