

Aurora's Degree & PG College  
(Accredited by NAAC with "B++" Grade)



Internal Quality Assurance Cell (IQAC)

Three Day National Level  
**FACULTY DEVELOPMENT PROGRAMME**  
On **"Statistical Thought Processing"**

from 4<sup>th</sup> October to 6<sup>th</sup> October 2021

Timings: 11:00 am to 12:30 pm

**Speaker**

Fellow of the *Royal Statistical Society*

**Dr. Tirupathi Rao Padi**

M.Sc., M.Phil., Ph.D., MBA, DCA

Professor, Department of Statistics  
Dean, Ramanujan School of Mathematical Sciences.

**Pondicherry University** (A Central University)



**Topics**

- Statistical Thought Processing in Knowledge Discovery
- Statistics - A Quantitative Common Sense
- Statistics - An Everyday Decision Making Science
- Statistics - Data Science & Technology
- Statistics - Business Intelligence & Data Analytics

**No  
Registration  
Fee**

E-Certificate will be provided

**Platform**

Online - Microsoft Teams

Registration Link

<https://forms.gle/FDsMrulbA5WgMr0B>

Click Here

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**Organized by the Department of Statistics**

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**EVENT / ACTIVITY DETAILED REPORT**

<b>NAME OF THE EVENT / ACTIVITY</b>	Faculty Development Programme
<b>TYPE OR TITLE OF EVENT / ACTIVITY</b>	‘Statistical Thought Processing’
<b>FACULTY INCHARGE</b>	Parimala Sudhir. K H K Madhu sudhan Rao N Sai Kishore
<b>DEPARTMENT/CELL/COMMITTEE/CLUB</b>	Statistics
<b>DATE</b>	4 <sup>th</sup> to 6 <sup>th</sup> october
<b>VENUE</b>	Online
<b>TARGET AUDIENCE</b>	Faculty, Research scholars,students

**1. PROGRAM SCHEDULE**

Every day 11 am to 12.30 pm

**Detail Report on: “Statistical Thought Processing”**

In connection with the college development activities, with the constant support and encouragement of the management and our dynamic principal Dr. Viswanatham Bulusu, The Department of Statistics organised FDP a 3-day lecture series on “**Statistical Thought Processing**” for the benefit of the Students, Research scholars, Faculty and other Participants from various parts of the country from 4<sup>th</sup> to 6<sup>th</sup> October 2021.

**Day- I**

The Session was started by an introduction speech by Ms. Parimala Sudhir HOD of Statistics. Further a brief introduction was given about the speaker by J. Vinitha, Sr. Asst. Prof Department

of statistics. The principal our college, Dr. Viswanathan Bulusu spoke about the FDP and expressed his ideas that the students, research scholars and faculty should learn application-oriented subjects from industry experts which will help them gain practical knowledge in turn upping the ante of their domain expertise. Further he also mentioned that the universities must introduce such type of subjects in the curriculum in updating the subject.

Following that, the speaker Dr. Thirupathi Rao Padi started the session by giving a brief insight on " Knowledge discovery" which plays an emphatic role in research. He also explained the different paradigms of changes like vision, skills, motivations, resources and action plan. He continued his explanation about theory and practices by citing examples. He said that in viewing the direction of research problems the knowledge and its growth depends on four 'E's i.e., Exposure, Experimentation, Experience and Empowerment. Which are circular in manner.

In continuation of his speech, he also explained about the valuable Resources like Money, Time, Water, Air, Knowledge and its types, seven generations of knowledge discovery (Sapthapathi). he also explained Research with common sense concept. Finally, he explained about the modelling situations and incarnation of statisticians.

The session progressed smoothly for more than an hour with more than 100 participants.

At the end of the session the speaker interacted with the participants, clarified their doubts with his commendable expertise.

The session was concluded after extending the vote of thanks. Then the feedback form was issued to receive the suggestions from the participants which would help us to assess our session.

## **Day -II**

In continuation of the lecture series, the Day – II session was started with the introduction speech by Ms. Parimala Sudheer, HOD, Department of Statistics. The speaker started the session by reviewing the topics of day before. He explained how statistical science or thought processing has to be used to convert in to research problem using the research strategies like deductive and inductive reasoning by giving examples like Blind men and Elephant, proposing new knowledge without basics the" MYTH and TRUTH", Coma can kill a person, Finger millet seeds- Farmer estimating the number of birds.

Further the speaker explained the applications of Hypergeometric distribution in estimating the number of two wheelers in a city by making mathematical model. Similarly, he explained the counting models by coating the examples like number of birds on tree, time of drying wet cloth, expected time to reach destination etc. Which shows what sort of interpretations can be made between the maths and common sense.

Finally, he explained the concept of Quantification and Real time challenges using model based on the decision support system and how the new inventions, investigations, life threat situations can be studied by “Archimedes’ principle”.

The session lasted for more than an hour exceeding 100 participants. Following which the speaker interacted with the fellow participants. Then the feedback form was issued to receive the suggestions from the participants which would help us to assess our session.

The session was informative and more explorative in nature.

### **Day III**

In continuation of the lecture series, the Day – III session was started with the introduction speech by Ms. Parimala Sudhir, HOD, Department of Statistics.

He started the Session by delivering the lecture that “Statistical Thought Processing “is mostly linked with quantification which is a measure or metric. He emphasized this with the examples, like that how the theory of non-parametrical inference is used in testing the hypothesis under the Archimedes principle. He said that statistical inference is an exceptional tool in decision making. Further he also explained “modelling on student’s performance evaluation problem “by citing an example of PGCET applying the James Bernoulli concept. He also explained the application of geometric distribution in managers meeting problem.

Finally, he explained his student thesis on “Some stochastic and Optimization models of human fertilization” and the role of Teacher and Researcher in a society.

The session went on for an hour with more than 100 participants.

Towards the end, the speaker interacted with the participants, clarified their doubts with ease. This session was very fruitful and interesting because of the wide range of real-life implementations and the participants were truly inspired by his talk and said that they will be very much confident in exploring the real time problems into statistical models.

The speaker congratulated the principal Dr Viswanatham Busulu and organizing team in conducting such events under the academic leadership of principal.

Later the session was concluded by extending a vote of thanks. Then the feedback form was issued to receive the suggestions from the participants which would help us to assess our session.

## 2. LIST OF FACULTY COORDINATORS (DEPARTMENT)

3. Parimala Sudhir. K
4. H K Madhu sudhan Rao
5. N Sai Kishore

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20	Kalaga V N S Anjanee Gayatri			

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26	Mamatha Sudanaboina			
27	A Chandana Sree			
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40	T Aishwarya			
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71	B Amulya			
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74	Lakshmi Rasamala			
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91	boda kalyani			
92	Nagamalla Sri			
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98	Mamatha U			
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106	Simra Salomi			
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108	pankaj priya			
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110	sailaja vemuri	Secunderabad	sailajavijay.mallubhatla@gmail.com	9490124257
111	Shitale Aishwarya			
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121	M Akhileshwar Rao			
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123	Parameswari R	Chennai	paramsumesh2011@gmail.com	9790214662
124	Lingaraj Mallik	Hyderabad	lingaraj.pu@gmail.com	9697207863
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126	Sanagari Srikanth	Hyderabad	sanagarisrikanth_pg19@adc.edu.in	9951996074

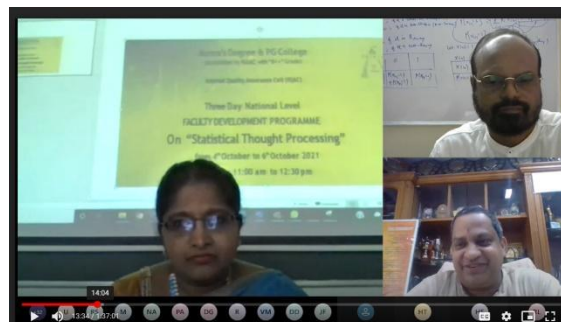
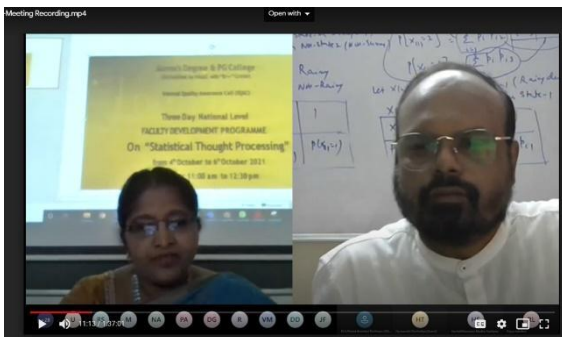
127	G.GEETHALAKSHMI			
128	omduitt.sharma	Bahadurgarh	omduitt86@gmail.com	9671169898
129	pranitha	Hyderabad	pranithakotla0206@gmail.com	6303887368
130	Sreeja S	Coimbatore	sreeja@psgrkcw.ac.in	7339275950
131	suryanarayana	kolar	suryasankya@gmail.com	9632116003
132	Abarna R	Puducherry	abaru2925@gmail.com	9385301099
133	Lakshmi Waghmare	HYDERABAD	<a href="mailto:laxmiwaghmare@adc.edu.in">laxmiwaghmare@adc.edu.in</a>	9100000524
134	Angel Agnes Mary	Trichy	angelagnes709@gmail.com	8825772905
135	J.Girisha Varshini			
136	P.H.JADAV	ahmedabad	phjadav1982@gmail.com	9016207387
137	rachana	hyderabad	<a href="mailto:rachanapg_18@adc.edu.in">rachanapg_18@adc.edu.in</a>	
138	M V Lavanya	VISAKHAPATN AM	lavanya.mv9@gmail.com	9502563100

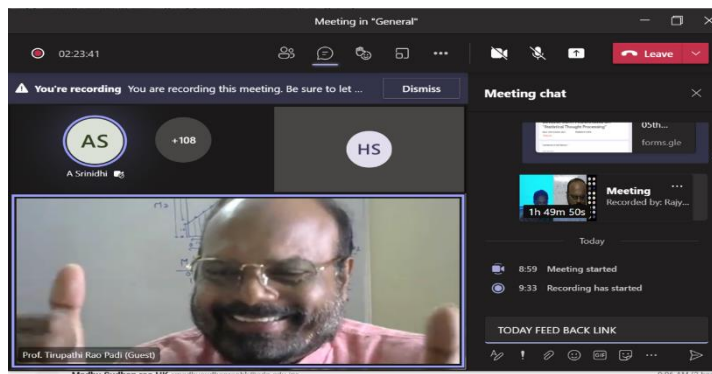
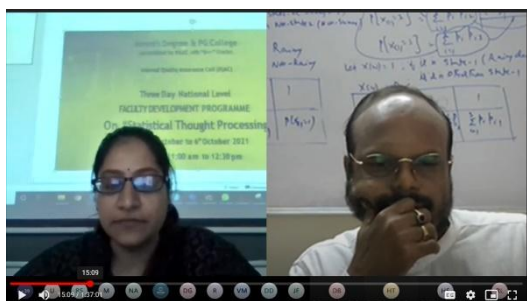
## 7. PARAGRAPH ABOUT THE PROCEEDINGS (TILL THE END OF THE EVENT)

The event was spread across three days systematically to teach and discuss various steps involved in statistical thought processing. Dr. Tirupati Rao, the speaker, dove into the topic with real life examples from the past, which explored how legendary mathematicians and statisticians developed and embraced a particular statistical thought. How the evolution of the thought process took place and how can one develop such thinking methodology, was deeply covered during the event. The importance of this in research area was also attached with some interesting real-life implementations. The event was very interactive as well, everyday attendees got to interact with the speaker, in turn gaining more knowledge and getting their doubts clarified. More than 100 participants took part in the event, making it a phenomenal success on both the ends.

## 8. INCOME AND EXPENDITURE NIL

## 9. EVENT PHOTOS ( MIN 2 MAX 4)





## 10. GUEST PROFILE (IF ANY)

### 11.

1. Prof. Tirupathi Rao Padi is currently working with Pondicherry University (A Central University of India) from the 4<sup>th</sup> January 2012 as Professor of Statistics. Right now he is the Dean of the Faculties, Ramanujan School of Mathematical Sciences, Pondicherry University from June 2020. Prior to this he worked with Sri Venkateswara University as Associate Professor and Professor from 2007 to 2011. Prof. Padi initiated his career on 20<sup>th</sup> November 1988 at a Govt. Aided Mrs. A.V.N. College, Visakhapatnam, A.P. as adhoc lecturer, Lecturer, Senior Lecture, Reader and Head of the department under UGC scales. He qualified for UGC-NET in 1994.

2. His Research areas of interest are *Stochastic & Optimization Modeling; Bio-Statistics & Statistical Computing; Statistical Quality Control; Big Data Analytics and Data Envelopment Analysis*. He had the education at Visakhapatnam (His home Town) graduation at Mrs. A.V.N. College B.Sc, Mathematics and Statistics, M.Sc., M. Phil., Ph.D. (all in Statistics), and DCA from Andhra University, Visakhapatnam from 1983 to 2000. He is a certified SAS programmer in 2009 Base SAS Programming for SAS®9, USA, He Acquired M.B.A. (Operations & Supply Chain) from Pondicherry University in 2016.

3. The academic distinctions under his credit include (i) *Rajendra Prasad Memorial Prize (Popularly Known as Sampling Gold Medal)* received in 61<sup>st</sup> convocation of Andhra University, Vin 1988; (ii) *Best Research Paper Award* at ICBDM in 2006, (iii) *Best Applied Research Paper Award*, IISA-ISPS conference in 2010; (iv) *World Championship – 2019 in Operational Research (Stochastic Programming)* awarded by International Agency for Standards and



Ratings, USA; (v) *Fellow*, Directorate of Statistics, IASR, 2019, and Life Membership; (vi) Outstanding Scientist Award-2021, International Science Awards, IASP, and (vii) Fellow, Royal Society of Statistics, London, UK.

4. Three Research Projects completed by him funded by DST-SERB - MRP; U.G.C – MRP; Rotary Nethra International; Guided 6 Ph.D. 3 M.Phil Research Scholars, and currently 8 students are under his for Full time Ph.D. Program. He is having the Professional Affiliations in 12 research forums like (IISA), (RMS), (KSA), (SSCA), (ISI), (IASC), (INSCA), (APSMS), (ISPS), (SREQOM) and (AMTI). He is an active research peer reviewer of about 27 trendy research journals of national and international coverage. Delivered 153 Invited talks on different academic & research forums, Organized 38 academic and research events of national and international level, Chaired about 14 technical sessions, presented 101 research papers in different conferences, Served for 3 educational institutions, administered around 50 official capacities, Former Principal member of Bureau of Indian Standards, served the university, Member, Economic Advisory Committee, Puducherry Government, Member, Academic Council, Pondicherry University, Member University Court (Senate), Pondicherry University, etc.

5. He is Author, Coauthor and editor for 13 Books Research Monographs, UG Text Books, and other related. He had 73 Research Paper Publications under his credit. Taught the statistics course for different programs like MCA; MBA; PGDBA; M. Planning; M.Sc., Biotechnology; M.Sc., Bio-Informatics; M.Sc. Nursing; B.Sc.; M.Sc.; M.Sc. *Operations Research*; M.Sc. Computer Applications; SAS; M.Sc. Biochemistry and Molecular Biology; M.Sc. Quantitative Finance.

**12. FEED BACK IF ANY : As it on line session the participants given their Openion in the program and appreciated the organizing team**

**13. ATTACHMENTS:**

**EVENT/ACTIVITY PROPOSAL**

**Aurora's Degree and PG College**

(ACCREDITED BY NAAC WITH 'B++' GRADE)

Chikkadpally, Hyderabad 500020

EVENT PROPOSAL

for

**101th Birthday DAY CELEBRATIONS of Prof.C.R.Rao's**



**Event/Activity Title:** Prof.C.R.Rao's Birthday day celebration (LIVING LEGEND)

**Faculty coordinators:** K. Parimala Datta Sudhir, DK Madhusudhan Rao and N. Sri Kiran

**Date:** September 10<sup>th</sup> 2021

**Venue:** Aurora's Degree and PG College

**Target audience:** Faculty & PG STUDENTS (Statistics)

**Platform:** Online

**Level:** National

**Student Volunteer's:** E. Prathyusha (PG App Statistic), Sindhu ( PG -Statistic)

**Objective:** The objective of Prof. C.R.Rao's birthday celebration is to get impression from living legend and enhance our knowledge by participation and make best use of this lecture from great personalities for our future career.

**Proposed activities**

These activities are conducted on this occasion

1. On the day of the event, (for Aurora Students and Faculty)
  - PPT presentation on the activities done by the department of Statistics on the occasion of Living Legend's birthday celebrations
2. **Faculty Development Program on "Statistical School of thoughts"**  
A 3-day lecture series is conducted on 4<sup>th</sup>, 5<sup>th</sup> & 6<sup>th</sup> of October 2021

**Guest Speaker details:** Dr. Vinayathirai Raju Padi, M.Sc., M.Phil, Ph.D., M.B.A., D.C.A.  
Professor, Department of Statistics Dean, Ramanujan School of Mathematical Sciences,  
Pondicherry University ( A Central University) (Recently awarded Fellow of the Royal  
Statistical Society)

**Budget:** Nil

**Coordinators**

1) K.Parimala Datta Sudhir

2) DK.Madhusudhan Rao

3) N.Sri Kiran

  
IQAC Coordinator 7/9/2021

  
7/9/2021

Dr. Vinayathirai Raju Padi

## **EVENT / ACTIVITY NOTICE**

Dear All

The Department of Statistics organizing the Three day Faculty Development Program on "STATISTICAL THOUGHT PROCESSING" from 4th october to 6th october 2021.

Timings 11 am to 12.30pm

Connect @ MICROSOFT TEAMS

### **The Link For All Three Days**

<https://tinyurl.com/w2asjumb>

Kindly join and make the programme successful.

With Regards,

FDP Co-ordinators

1.K. Parimala Diana Sudhir

HOD,Dept : of Statistics

Cell: 9100000578

2. H.K. Madhusudhan Rao

Assc. Prof, Dept. Of Statistics

Cell: 9100000791

3. N. Sai Kishor

Asst: Professor, Dept: of statistics

cell: : 8309177287

### **RECEIPTS (IF ANY)**

**NIL**

CERTIFICATES (IF ANY)

# AURORA'S DEGREE & PG COLLEGE

(Accredited by NAAC with "B++" Grade)

## CERTIFICATE OF PARTICIPATION



This is to Certify that  
**Rajya Lakshmi**  
has participated in the Three Day National FDP on  
**"Statistical Thought Processing"**  
delivered by

**Dr. Thirupathi Rao Padi** M.Sc.,M.Phil.,Ph.D,MBA,DCA

Professor, Department of Statistics  
Dean: Ramanujan School of Mathematical Sciences.  
Pondicherry University (A Central University)

held on 04<sup>th</sup>,05<sup>th</sup> & 06<sup>th</sup> October,2021 by Department of Statistics

A handwritten signature in black ink, appearing to read 'Madhusudhan Rao HK'.

Madhusudhan Rao HK  
Coordinator

A handwritten signature in black ink, appearing to read 'K.Parimala Diana Sudheer'.

K.Parimala Diana Sudheer  
Coordinator

A handwritten signature in green ink, appearing to read 'Dr. Viswanadham Bulusu'.

Dr. Viswanadham Bulusu  
Principal

## LETTERS OF COMMUNICATION (IF ANY)

Respected Sir,

I am immensely thankful for your kind acceptance of our invitation, it is a great honor to have you as a resource person for the Faculty Development Program(FDP) scheduled from 4th Oct to 6th Oct 2021. Any other suggestions kindly let us know.

We request you to join the session 10 minutes before (i.e at 10.50 am ) on 4th Oct using the following link given below on Microsoft Teams platform.

(For three day i.e 4th 5th and 6th october 2021 we can use the same link.)

<https://tinyurl.com/w2asjumb>

We look forward to your lectures, and I am confident that the audience will greatly benefit from your rich research experience.

Request you to send profile

Schedule of the program

- Welcome address by K.Parimala Diana Sudhir
- Address by Dr.Vishwanadham Bulusu (Principal , Aurora's Degree & PG College)
- Address by our Speaker **Prof.Tirupathi Rao Garu**
- Vote of thanks by Madhusudan Rao

Thank you,

Regards,

K.Parimala Diana Sudhir,

Head, Department of Statistics,

Aurora's Degree & PG College,

Chikadpally , Hyderabad

## **FDP RECORDINGS LINKS**

Day-1

<https://drive.google.com/file/d/1CR5CZxweS8UAmor0rPqzZu7s1qtk1Ibv/view?usp=sharing>

Day-2

<https://drive.google.com/file/d/1Ui2pzVddN8lFwb3UtFRPv9Ei3U6KquIz/view?usp=sharing>

Day-3

<https://drive.google.com/file/d/1nikem3xnn6gFkjUo3sLqQoRE9iXiEj9l/view?usp=sharing>