

P.R.GOVERNMENT COLLEGE (AUTONOMOUS), KAKINADA

DEPARTMENT OF MATHEMATICS AND STATISTICS

REPORT ON NATIONAL SEMINAR ON 28-9-2016 and 29-9-16

“RECENT TRENDS AND APPLICATIONS IN MATHEMATICS AND STATISTICS”

28-09-2016:

REGISTRATION: (9.00am to 10.00 am)

The registration was started at 9.00 am. Out of 150 members registered, 65 members presented papers. Scholars from Andhra University, JNTUK, ANU, AKNU, SVU, SPMVV, JNTUA, SKU are participated and presented papers. The staff members from the above universities and their affiliated colleges are also participated and some of them are presented papers. Students of this college and other colleges viz., MSN Chartis, V.S.Lakshmi Degree College etc. are participated and presented papers.



INAUGURATION OF THE SEMINAR :(10.00 am to 11.00 am)

Dr.P.Subhashini, Organising Secretary of the seminar invited the guests on to the stage. The programme is started with prayer by the students and followed the lightening the lamp. The principal presided the programme and he told about the college to the participants and wished the organisers of the seminar. In his address the Chief Guest Sri Vanamadi VenkateswaraRao, Honourable MLA, Kakinada City hope that the resource persons will

enrich the knowledge of the participants i.e., faculty of colleges, research scholars and students. Dr.Y.R.SatyajiRao, Scientist 'F' and Head, NIH, Kakinada congratulated the staff of department of Mathematics and Statistics for uplifting from the conduct of district level workshop to National Seminar. He also enlightened the participants about the utilization of Mathematics and Statistics in their organisation. The other guests Prof.R.R.L.Kantham, Former Professor in Statistics, Nagarjuna University, Guntur, Prof.G.Radhakrishnamacharyulu, Dept. of Mathematics, NIT, Warangal and Prof.V.Subba Rao, Retired professor wished the organisers, participants and explained about the applications of Mathematics and Statistics in different real world problems. Dr.V.Anantha Lakshmi, convener of the seminar presented the objectives and theme of the seminar to the participants. Sri M. Lakshmana Das, lecturer in Mathematics proposed vote of tanks.



Session I (11.15 a.m. to 12.45 p.m.) :This session was chaired by Dr.K.V.Anandam, Principal, MVN JS & RVR College, Malikipurm, E.G.Dt. In this session Prof. R.R.L.Kantam,Former Professor in Statistics, Nagarjuna University, Guntur delivered an Invited talk on “*SOME LIVE APPLICATIONS OF STATISTICS*”. In his talk he explained theoretically and demonstrated practically the processes of extracting TRUTH hidden within the facts submitted in the form of data.



Session II (1.45 pm to 3.00 pm) :This session is chaired by Ms.Y.Padmaja, lecturer in Mathematics, GDC, Pithapuram, E.G.Dt.. In this session Prof. G. Radhakrishnamacharyulu, Dept. of Mathematics, NIT, Warangal delivered an invited talk on “**Bio-Fluid Dynamics-Flow in Renal Tubules**”. In this talk he explained the concepts of bio-fluid dynamics and Fluid mechanical aspects of cardiovascular system, systemic and microcirculation.



Session III (3.15 pm to 4.30 pm) :This session is chaired by Smt. K. Parameswari, Lecturer in Mathematics, DNR College (W), Palakol, W.G.Dt. In this session Prof. V. Ravindranadth, Department of Mathematics, JNTUK, Kakinada delivered an invited talk on “**How to perform Predictive Analytics using R- Software**”. In this paper he illustrated how to build predictive models and how to validate and interpret the predictive accuracy. Special focus

would be on the Gauss Least Squares method and method of ANOVA in multiple linear regression using R- Software.



Session IV (4.30 pm to 5.30 pm) :Technical Session

Two sessions are organized in parallel with the chairs Smt. K. Parameswari, Lecturer in Mathematics, DNR College (W), Palakol, W.G.Dt for Mathematics presentations and R. Subba Rao, Department of Basic Science, Shri Vishnu Engineering College for Women, Bhimavaram, A.P., India for Statistics presentations.



29-09-2016:

Session V (9.00 am to 10.00 am) :Technical Session

This session is chaired by Dr.Ch.Ramana Murthy, Lecturer in Mathematics, MSN Chartist Degree College, Kakinada. In this session papers presented by the participants.



Session VI (10.00 am to 11.30 pm) : This session is chaired by Dr.Ch.Ramana Murthy, Lecturer in Mathematics, MSN Chartis Degree College, Kakinada. Prof. G P Raja Sekhar, Professor, Department of Mathematics, Indian Institute of Technology , Kharagpur Delivered an invited talk on **“Mechanics of breakout phenomenon while lifting a large object from an anisotropic porous bed”**. The talk consists of two parts. In Part-I of the talk elementary interpretations on governing equations and boundary conditions in a generic sense are introduced. In part – II of the talk presents an application involving flow through porous media.



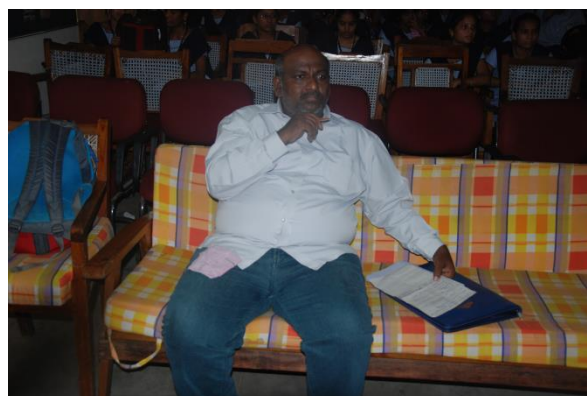
Session VII (11.45 am to 1.15 pm) : This session is chaired by Dr.A.S.R.Murthy, retired lecturer in Mathematics, Ideal College, Kakinada. Prof. G.V. R.Babu, Department of Mathematics, Andhra University, Visakhapatnam on **“Existence of Common Fixed Points via Generalized Altering Distance Functions in Four Variables”**. In this talk he discussed the importance of using two generalized altering distance functions in their inequality. Further ,he extended this technique to prove the existence of coincidence points and common

fixed points of four self maps in partially ordered metric spaces satisfying certain weak contractive condition involving two generalized altering distance functions in four variables.



Session VIII (2.00 pm to 3.00 pm) :Technical Session

Two sessions are organized in parallel with the chairs Dr.A.S.R.Murthy, retired lecturer in Mathematics, Ideal College, Kakinada for the presentations of scholars and K.Vara Prasad, Asst. Professor, Central University, Chattisgarh for the presentations of degree and PG students.



Session IX (3.15 pm to 4.30 pm): This session is chaired by Sri C.Chitti Babu, Lecturer in Mathematics, Government Degree College, Ramachandrapuram, E.G.Dt. In this session

Dr.P.PapayyaSastry, Principal, GDC, Jaggampeta delivered invited talk on “**Censored and Truncated Distributions**”. In this talk he explained the Features of Type I and Type II Censored Samples and Estimation of the Parameters by the Method of Maximum Likelihood using Censored Sample.



Valedictory of the seminar: (4.30 pm to 5.30 pm)

Dr.A.SrinivasaRao, Lecturer in Botany invited the guests on to the dais. The principal Dr.C.Krishna congratulated the organisers for the successful organisation of the seminar. Dr.P.Subhashini, organising secretary of the seminar had given a brief report on the seminar. The chief guest Dr. R. David Kumar, Principal, Government Arts College (A), Rajajmahendravaram shared his views about the importance of Mathematics and congratulated the organisers and participants. The guests Prof.G.V.R.Babu, Andhra University and Prof. G. P. Raja Sekhar, IIT, Kharagpur expressed their satisfaction about the organisation of the seminar. Sri Molla Mengesha, research scholar, Department of Applied Mathematics, Andhra University had given his feedback on the seminar. He expressed his gratitude to the organisers for the facilities provided to them and the lectures arranged. He also feel that this seminar has given a motivation to him for organising a seminar in their country i.e. Ethiopia. Sri P.Jaya Babu, lecturer in Mathematics, GDC, Ravulapalem had given his feedback on the seminar. He felt very happy for the hospitality, arrangement of invited talks and the conduct of technical sessions. Dr. M. M. Paacha, Lecturer in Chemistry proposed vote of thanks. This programme was concluded with National Anthem.



The staff members were extended their co operation for successful organisation of the seminar through the following committees.

1. ACCOMDATION AND TRANSPORT COMMITTEE

1. Sri K.Anjaneyulu Lect. incharge, dept. of Phylosphy
2. Dr.M.M.Pacha Lect. in Chemistry
3. Sri K.NarasimhaRao Lect. in Politics
4. Sri M. Lakshmana Das Lect. In Mathematics
5. Dr.Hari Ram Prasad Lect. Incharge, dept. of Hindi
6. Sri K.Narasimha Murthy Lect. In Zoology
7. Dr.NaveenBabu Lect. In Zoology

2. HOSPITALITY COMMITTEE

1. Sri V.SrinivasaRao Lect. Incharge, dept. of English
2. Sri P.V.KrishnaRao Lect. In English
3. Dr.Ch.B.Menon Lect. In Hindi
4. Ms.M.Nageswari Devi Lect. In Mathematics
5. Dr.R.Lydia Lect.In R. M.

3. STAGE ARRANGEMENT COMMETTEE

1. Sri UVBK Krishna Prasad Lect. In Physics
2. Sri EV Subrahmanyam Lect. In charge, Dept. of Chemistry
3. Dr.B.Elia Lect. In Zoology
4. Dr.K.V.Sobha Rani Lect. Incharge, dept. of Computer Science
5. Ms.N.Suneetha Lect. In Mathematics

4. REGISTRATION COMMITTEE

1. Dr.K.Subhashini Lect. In Economics
2. Smt. V.A.S.SaradaKumari Lect. In Telugu
3. Smt. Pratyusha Lect. In English
4. Smt. C.Chinnamamba Lect. In Statistics

5. DISCIPLINE COMMITTEE

1. Sri R.V.Swami Lect. In Physical Education
2. Sri K. AmmannaChowdary Lect. In Physical Education
3. Sri P.V.V.Satyanarayana Lect. In Politics
4. Sri K.Jaidev Lect. In Physics
5. Sri P.V.KrishnaRao Lect. In English

6. CERTIFICATES PREPARATION AND ISSUE COMMITTEE

1. Dr.A. SrinivasaRao Lect. Incharge, dept. of Botany
2. Sri B.Ali Baba Lect. In Zoology
3. Ms.M.Deepthi Lect. In Actuarial Science
4. Ms.Y.Anitha Lect. In Microbiology

The leadership qualities and organising skills of students were exposed through this seminar.

Organising Secretary

Dr.P.Subhashini

Convener

Dr.V.Anantha Lakshmi