

KONGUNADU ARTS AND SCIENCE COLLEGE
(Autonomous)
Coimbatore – 641 029

DEPARTMENT OF MATHEMATICS (AIDED)

Department Activities for the Academic Year 2015-2016

Department of Mathematics (Aided) has organized Mathematics Association Meeting on 31.03.2016 at Dr.M.Aruchami Auditorium. The chief guest of the function **Dr. E. K. Ramasamy**, Professor (Rtd), Department of Mathematics, Bharathiar University, Coimbatore gave a special lecture on the topic 'Waves'. **Dr. T. Muraleeswari**, Principal, Kongunadu Arts and Science College presided over the function. **Dr. S. C. Palaniswami**, Head (i/c), Department of Mathematics felicitated the gathering. Initially **Ms. S. Kiruba Vijaya Lakshmi** of I M.Sc. Mathematics delivered the welcome address. **Mr. K. Selvakumar** of II.B.Sc. Mathematics proposed the vote of thanks at the end.



Dr. T. Muraleeswari, Principal, Kongunadu Arts and Science College delivers the Presidential Address.



Dr.T.Muraleeswari (Principal), Dr.E.K.Ramasamy (Chief Guest), Dr.S.C.Palaniswami (HoD)

State Level Workshop on Applications of Statistical Tools Using SPSS - Hands on Experience

Our Department organised **State Level Workshop on “Applications of Statistical Tools Using SPSS - Hands on Experience”** sponsored by **UGC, New Delhi under College with Potential for Excellence (CPE)** scheme for a period of two days from **11-02-2016 to 12-02-2016** to understand the emerging topics on SPSS and its applications.

A strength of 100 participants including Faculties and Research scholars of various Institutions participated in the workshop. Our **chief guest Dr.K.Balachandran**, Professor & Head, Department of Mathematics, Bharathiar University, Coimbatore inaugurated the Workshop and delivered the key note address. In his speech, he highlighted the importance of applications of Statistics and motivated the researchers to do application oriented research to compete with the world wide scholars and to get the recognition of their research globally. The first technical session was handled by **Dr.R.Vijayaragavan**, Professor, Department of Statistics, Bharathiar University, Coimbatore. He elaborates the Measures of Central tendency, Skewness, Kurtosis and the importance of Normality. The Second technical session was handled by

Dr.R.Jayashankar, Professor, Department of Statistics, Bharathiar University, Coimbatore. He explains the importance of Correlation and Regression analysis and its applications. Third Technical session was taken by **Dr.R.Muthukrishnan**, Associate Professor, Department of Statistics, Bharathiar University, Coimbatore. He impart the hands on training on Statistical tools using SPSS 20.0(Statistical Package for Social Sciences).

On second day of the workshop the technical sessions were handled by **Dr.G.Stephen Vincent**, Associate Professor in Statistics (Retd) & HoD, St.Josephs College, Tiruchirappalli, Formely UGC Visiting Professor in Statistics, Manonmanium Sunadaranar University, Tirunelveli. He imparts the hands on experience on Testing Hypotheses I and II- T test, F test , ANOVA, Chi square test and also on Multivariate analysis- Factor analysis, Cluster analysis and Discriminant analysis. The participants are provided with CD's and Book materials on SPSS. The participants gained knowledge about Statistical tools and its applications , it helps them to pursue their research efficiently.



Inaugural Session



**Key note Address delivered by
Dr.K.Balachandran**



**Presidential address delivered by
Dr.C.A.Vasuki, Secretary & Director**



**Dr.T.Muraleeswari, Principal
Welcomed the gathering**



Registration



Participants



**Technical Session by
Dr.R.Vijayaragavan**



**Technical Session by
Dr.R.Jayashankar**



**Technical Session by
Dr.G.Stephen Vincent**



**Technical Session by
Dr.G.Stephen Vincent**



Hands on Training



Distribution of Certificates



Organizing Committee

NATIONAL LEVEL CONFERENCE
ON
“CURRENT SCENARIO IN PURE AND APPLIED MATHEMATICS”
22.12.2016 & 23.12.2016

REPORT

In the memory of the great Mathematician Srinivasa Ramanujan's 129th Birthday celebrations, the PG and Research Department of Mathematics has planned to conduct a two day National Level Conference on **“Current Scenario in Pure and Applied Mathematics”** on 22.12.2016 & 23.12.2016, sponsored by Indian Science Congress Association, Coimbatore Chapter.

On 22.12.2016, the conference started with an inaugural function. Dr. K. Muthukumaraswamy, HoD of Mathematics and Convener of the Conference welcomed the gathering. Dr.T.Muraleswari, Principal, Kongunadu Arts and Science College, Coimbatore presided the function. Dr.Govindappa Navalagi, Professor of Mathematics, Kalpatharu Institute of Technology, Tiptur, Karanataka offered felicitation. Dr.K. Balachandran, Professor (UGC-BSR), Department of Mathematics, Bharathiar University delivered the keynote address. In his speech, he explained the concepts of Fractional Differential equations and Fractional calculus. Dr.K.Ramasamy, Associate Professor of Mathematics proposed the vote of thanks.

The first invited talk delivered by Dr.Govindappa Navalagi on “The role of analysis in pure and applied Mathematics”. He explored current research areas of pure and applied mathematics for young researchers.

The second invited talk delivered by Dr.K.Murugesan, Professor and Head, Department of Mathematics, National Institute of Technology, Trichy on “Image processing using Cellular Neural Networks”. He explained the applications of Image segmentation like medical imaging, computer guided surgery etc.,

The third invited talk delivered by Dr.V.Kaladevi, Professor Emeritus, Bishop Heber College, Trichy on “A new Encryption Techniques with Detour Metric in Graphs”. She explained the concept of detour metric dimension of certain graphs in the graph theory.

On 23.12.2016, the fourth invited talk delivered by Dr.Subrahmanian Moosath, Professor and Head, Department of Mathematics, Indian Institute of Space Science and Technology, Trivandrum, Kerala on “Applications of Differential Geometry to Statistics”.

The fifth invited talk delivered by Dr.R.Parvathi, Associate Professor and Head, Department of Mathematics, Vellalar College for Women, Erode on “Intuitionistic Fuzzy Inference Systems”.

The sixth invited talk delivered by Dr.T.Palanisamy, Associate Professor, Department of Mathematics, Amirtha University, Coimbatore on “Estimation of Variance Function in Heteroscedastic regression Models”.

All the scholarly sessions were instrumental to the budding researchers to pursue their research.

Nearly sixty papers were presented by the researchers in the areas like Topology, Graph Theory, Differential Equations, Operations research etc.,

More than 200 participants from all over India participated in this conference.



Inauguration



Key note address delivered by Dr.K. Balachandran, Professor (UGC-BSR), Department of Mathematics, Bharathiar University