

**ANVESHANA'S INTERNATIONAL JOURNAL OF RESEARCH IN EDUCATION,
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Message

Firstly, I would like to congratulate the Principal, Dept. of English (KLU) for organizing National Conference titled '**Recent Changes in Education, Literature and Multi-Disciplinary concepts**

It is a known fact that English is a globally recognized Education and Literature now, and its importance increases exponentially almost by the day. The countries which were against English realizing its global importance have reversed their trends, and have started using it to improve their international relations, trade and commerce, and so on. But these countries are facing a major challenge of training their citizens in using English. The situation is no different in India. Though English is considered as a second language in our country, many Indians lack Education and Literature, where a Language is part of it. It is in this context that Conferences such as this are the need of the hour where researchers get an opportunity to brainstorm on the challenges of English language teaching. It is a matter of great satisfaction to all that the sub-themes of the Conference are thought-provoking, covering recent changes in Education and literature. I hope the paper presenters will take this opportunity in the best possible way and provide a road map to address the key issues in the field.

I wish this Conference all success, and congratulate them once again for their initiative in bringing so many scholars and experts to one platform to share ideas and innovations, theories and practices.

**Rajya Lakshmi
Vice Principal
AIMS, Osmania Univeristy**

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The theme of the conference and sub themes suggested by the organizers to the scholars is highly apt and informative in assessing the structural integrity of Education and literature. In this context, there is a dire need to determine the requirements of the research scholars and strengthen them with quality and potentiality in their approach. Many changes have been taken place in Language and Literature because of its plurality and decolonization. Different accents, expressions, dialects and many others changed the perspectives and conceptions of English Education and Literature. It also gives a wide scope to express various linguistic, cultural, and social aspects of different regions of the globe through English. At this juncture, the teaching of a language cannot be separated from the literature of that language which goes beyond the borders. I hope the papers presented by the scholars will address these domains focusing the critical role of language and literature in academic research.

I thank the organizers for providing a strong platform to the experts and young researchers to discuss, exchange, suggest and readdress their ideas.

Thank you all.

Dr. Franklin F. R. Fredrick,
Associate Professor,
Global Institute of Engineering and Technology

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Education and Literature are two different, whereas Literature is the craft of human emotions. Pouring out the heart is the art of Language and Literature. One must be proud of being a Literary Warrior to transmit the treasure of knowledge from civilizations and the sands of time without altering the nature's texture and its crystal character to the next world. In this modern era, a teacher must be an incessant learner to progress the abilities of his instruction in a more competent manner for the pursuit of good harvest in honing the skills of students. Teaching and Learning has been diversified from conventional to more practical and stupendous efforts are required to moulds the learners since English has become the walk of their life. In this context, the activities of the Department of English have been instrumental to up-skill the students' overall abilities and the institute's growth. This Conference is a Communion of Deliberations and a platform for the celebration of diverse ideas. Teachers, being responsible for the progress of the students, share the pedagogical practices in these platforms to strengthen the young minds/scholars to establish their own world with the takeaways that they carry from the galaxy of gatherings. The attendees of the conference must broaden their views/perceptions for the prolific deliberations assumed to be yielding the potential results cutting across all strata of the Teaching and Learning.

Dr. D. Sucharitha, Director-AERF

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Message

Warm and Happy Greeting to All.

I am immensely happy to announce that the Department of English at KLU is organizing a one-day National Conference titled **“NATIONAL LEVEL CONFERENCE ON RECENT CHANGES IN EDUCATION, LITERATURE AND MULTIDISCIPLINARY CONCEPTS NLRCELMC-2018”**.

Under the able guidance of our management, KLU (Dept. of English) as an institution continues to march towards success with confidence and pride. The sharp, clear sighted vision and precise decision-making powers of our management has benefited our college to stay competitive and focused.

The dedicated faculty fraternity, non-teaching staff members and disciplined students of KLU are the added features of our college. The role of students in building nation cannot be overlooked and students at KLU – Dept. of English are trained in all aspects to become successful managers, entrepreneurs and good citizens.

I thank all the participants from various colleges for participating and presenting research articles on various topics and enlightening with the recent updates. It is a matter of great pride that the organizers of the national Conference have been successful in creating a huge impact on the target participants within a short time. The overwhelming response received from all over the country is simply amazing and motivates us to conduct such programs in the future.

We take this opportunity to acknowledge that the Conference has been organized successfully with the support of organizing and advisory committees, I would like to thank the Management of KLU (Dept. of English) for their untiring efforts and constant endeavor to make the National Conference scaling to new heights.

Dr. B. Jaipal Reddy, Associate Professor, OU Law College

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**SIMPLE TECHNIQUE FOR DETERMINATION TYPE-2 AND TYPE-4 FUZZY
TRANSPORTATION ISSUES**

Paper ID – 1001

A paper presented by: P Mahendra Varma, Pavan Kumar

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Abstract

In customary transportation issue (TI), every one of the parameters is constantly sure. In any case, a large number of the genuine circumstances in the industry or association, the parameters (supply, request and cost) of the TI are not exact which are loose in nature in various variables like the economic situation, varieties in rates of diesel, congested roads, climate in bumpy regions, limit of men and machine, long power cut, worker's after some time work, startling disappointments in the machine, regular changes and some more. To counter these issues, contingent upon the idea of the parameters, the TI is grouped into two classifications in particular type-2 and type-4 fuzzy transportation issues (FTIs) under the unverifiable condition and defines the issue and uses the trapezoidal fuzzy number (TrFN) to understand the TI. The current positioning methodology of Liou and Wang (1992) is utilized to change the type-2 and type-4 FTIs into a fresh one with the goal that the ordinary technique might be connected to settle the TI. In addition, the arrangement methodology varies from TI to type-2 and type-4 FTIs in assignment step as it were. In this manner, a basic and productive strategy signified by PSK strategy is proposed to acquire an ideal arrangement as far as TrFNs. From this fuzzy arrangement, the chief can choose the level of acknowledgement for the transportation cost or benefit. In this manner, the real utilization of fuzzy set hypothesis is broadly utilized in regions, for example, stock control, correspondence arranges, total arranging, business planning, and staff task et cetera.

Keywords: Fuzzy sets, type-2 and type-4 fuzzy transportation issues.

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DOMINATION IN REGULAR AND IRREGULAR BIPOLAR FUZZY GRAPHS

Paper ID – 1002

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Abstract

The object of this paper is to generalize the dominations in bipolar fuzzy graphs. In this paper we discuss the concept of domination in regular bipolar fuzzy graph, total domination in regular bipolar fuzzy graphs. We extended our study to dominations in irregular bipolar fuzzy graph and total domination in irregular bipolar fuzzy graphs. Established the relation between highly and neighborly irregular bipolar fuzzy graphs. We studied properties of bipolar fuzzy graphs. Derived some results related to dominations in the above mentioned bipolar fuzzy graphs.

Keywords: Bipolar fuzzy graphs, Domination in regular bipolar fuzzy graphs, total Domination in irregular bipolar fuzzy graphs.

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**C*-ALGEBRA VALUED FUZZY SOFT METRIC SPACE AND RELATED FIXED POINT RESULTS
BY USING TRIANGULAR ALPHA -ADMISSIBLE MAPS WITH APPLICATION TO NONLINEAR
INTEGRAL EQUATIONS**

Paper ID – 1003

A paper presented by: B. Srinuvasa Rao, G. N. V. Kishore, D. Ram Prasad,

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Abstract

In This paper, we introduced the notion of C^* -algebra valued fuzzy soft metric space and proved some fixed point theorems under triangular α - admissible contractive mappings and we gave an application to integral equations. Also we provided some examples which supports to our main results.

Keywords: algebra valued fuzzy soft metric, Triangular α -admissible mappings, fixed point, completeness

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REPRESENTATION THEOREM FOR HYPERSEMILATTICES

Paper ID – 1004

A paper presented by: Ramprasad, G. N. V. Kishore, B. Srinuvasa Rao,

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Abstract

In this paper we proved that every hypersemilattice is a subdirect product of subdirectly irreducible hypersemilattices. Also we proved that for a hypersemilattice L , L is subdirectly irreducible if and only if $C(L)$ (which is a lattice with set inclusion) has one and only one atom which is contained in every congruence relation other than L . In hyper structures the binary operations are mapped from $L \tilde{\sim} L$ to power set (without empty set).

Keywords: Congruence relation, hypersemilattice, homomorphism, subdirectly irreducible hypersemilattices, subdirect product.

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SMART GARBAGE BIN SYSTEM

Paper ID – 1005

A paper presented by: Revathi LavanyaBaggam, Dr.W.Sridhar

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Abstract

In many countries maintaining the cities neat and clean has become a great challenge with the growing population. This issue is further leading to diseases. The foul smell that comes from any garbage bin system or from any waste is very dangerous and may lead to dreadful diseases. By announcing that a city is turning to be smart means that the city is maintained neat and clean along with some advanced technology being implemented. Here the concept tells about on the solution being addressed towards the wastage maintenance especially the Garbage Bin system. Internet of Things is emerging with smart applications being proposed for addressing many problems in a smart way. Smart Garbage Bin System is implemented by using the Internet of Things technology.

Keywords: Arduino, GPS, LCD, Sensor system, integration, Smart Garbage Bin, Wi-Fi

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PRIME BI-TERNARY-IDEALS IN TERNARY SEMIGROUPS

Paper ID – 1006

A paper presented by: P. Seeta mani, Y. Sarala, G. Jaya Lalitha,

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Abstract

In this paper, we introduce and characterize the strongly prime, prime and strongly irreducible bi-ternary-ideals of a ternary semigroups. We also characterize those ternary semigroups for which each bi-ternary-ideal is strongly prime.

Keywords: Prime bi-ternary-ideals, strongly prime bi-ternary ideals, semiprime bi-ternary ideals, strongly irreducible bi-ternary ideals

RIGHT HYPER IDEALS IN TERNARY SEMIGROUPS

Paper ID – 1007

A paper presented by: P. Seeta mani, G. Jaya Lalitha, Y. Sarala,

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Abstract

In this article, we introduce and study the concepts of right hyperideals in ternary semi hypergroups. We introduce the concept of right simple, right 0-simple ternary semi hypergroups. The relation between them is investigated in ternary semi hypergroups extending and generalizing the analogous results for ternary semigroups.

Keywords: Semi hypergroup, Ternary Semi hypergroup, Right Hyper ideal, minimal right hyper ideal, right 0-simple ternary semi hypergroup.

SOME RESULTS ON GENERALIZED HYPERGEOMETRIC FUNCTION

Paper ID – 1008

A paper presented by: N. Srimannarayana, B.Satyanarayana

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Abstract

The subject of special functions has a lot of importance during the last few decades. The main objective of this paper is to prove the convergence and to introduce the extended linear generating relation for the generalized hypergeometric function. The result is followed by its special cases as applications to the classical

Keywords: Generalized Hypergeometric polynomial, Hypergeometric polynomials modified Jacobi polynomial, Laguerre polynomial.

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**SOME INTEGRAL RESULTS ASSOCIATED WITH GENERALIZED HYPERGEOMETRIC
FUNCTION**

Paper ID – 1009

A paper presented by: N. Srimannarayana, B.Satyanarayana, D.Ramesh,

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Abstract

In previous papers, it has been introduced a generalized hypergeometric function of two variables. The present paper aims at to derive different types of integral representations for the generalized hypergeometric function. The results derived here are very general in nature and are interesting and can obtain some known and new integrals for various polynomials. Each result is followed by its applications to the classical orthogonal polynomials.

Keywords: Hypergeometric function, Generalized hypergeometric function, modified Jacobi polynomial, Laguerre polynomials.

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SOME SPECIAL PROPERTIES OF LATTICE ORDERED FUZZY SOFT LOOPS

Paper ID – 1010

A paper presented by: Dr.V.B.V.N.Prasad, R.Sunil Kumar,

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Abstract

In this paper we introduce the definition and examples of lattice ordered fuzzy soft loop with respect to fuzzy partial order. Some properties on lattice ordered fuzzy soft loops were derived.

Keywords: Lattices, fuzzy soft loops, fuzzy partial order.

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**MULTI-CRITERIA EFFECT OF CI ENGINE USING CASHEW SHELL PYRO OIL BLEND WITH
DIESEL FUEL ON TRAPEZOIDAL FUZZY NUMBER**

Paper ID – 1011

A paper presented by: K. VENKATESAN, P. DHANASEKARAN,

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Abstract

The present paper investigates the potential of trapezoidal fuzzy decision making (TFDM) problem to effect the performance and exhaust emissions of the Compression Ignition (CI) engine at injection timings 27° BTDC using blended cashew net pyro oil (D70CPO30). The experimental data are carried out on a single cylinder water cooled constant speed direct injection diesel engine under variable load conditions. Fuzzy Multi Input Multi Output (MIMO) decision making models are developed using linguistic terms based trapezoidal fuzzy number (TraFN), trained and validated to predict the parameters like Brake Thermal Efficiency, Specific fuel Consumption, Exhaust Gas Temperature, Oxides of Nitrogen, Unburn hydrocarbon, Carbon monoxide with the experimental performance data sets. The developed MIMO fuzzy model is capable of the performance and emissions of the engine with better performance using TraFN. The tests showed no major deviations in diesel engine's combustion as well as no significant changes results confirm the applicability of the developed TFDM

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**OBSERVABILITY FOR IMPULSIVE MATRIX SYLVESTER SYSTEMS ON TIME SCALES WITH
DELTA SETTINGS**

Paper ID – 1012

A paper presented by: A Sreenivasulu, B V Appa Rao, K A S N V Prasad ,

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Abstract

The purpose of this paper is to study the basic concepts for impulsive matrix dynamical systems on time scales. First we present the transition matrix for impulsive matrix dynamical systems and establish some properties. Second we develop the existence and uniqueness of solutions for impulsive matrix Sylvester dynamical systems on time scales. Also we give the observability for time varying impulsive matrix dynamical systems. Necessary and sufficient conditions for state observability is obtained. The corresponding criteria extended for time-invariant impulsive matrix Sylvester dynamical systems on time scales.

Keywords: time scale, observability, impulsive dynamical system, Transition matrix.

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**ON A MATRIX POLYNOMIAL APPROACH OF GENERALIZED HYPERGEOMETRIC
POLYNOMIAL OF TWO DISCRETE VARIABLES**

Paper ID – 1013

A paper presented by: V.Sri Lakshmi, N. Srimannarayana, B.Satyanarayana. D.Ramesh

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Abstract

In this paper, the main objective is to focus on matrix polynomial approach of generalized hypergeometric polynomial (or function) of two discrete variables. In this study we present preliminary or introductory concepts, generating relations and recurrence relations of generalized hypergeometric matrix polynomial and their special cases also mentioned.

Keywords: Hypergeometric matrix function, Generalized hypergeometric function, modified Jacobi polynomial, Laguerre polynomials and Laguerre matrix polynomials.

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THE LATTICE ORDERED FUZZY SOFT GROUPS

Paper ID – 1014

A paper presented by: V.B.V.N.Prasad, K. Praveen Vardhan,

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Abstract

In this paper we introduce the definition and examples of lattice ordered fuzzy soft loop with respect to fuzzy partial order. Some properties on lattice ordered fuzzy soft loops were derived. Today in so many areas, the soft set theory has a high budding utilization. The fuzzy soft groups is the frame work to a family of fuzzy sub groups. The idea of fuzzy soft groups is to regionalization of the soft groups. In this paper " The lattice ordered fuzzy soft groups " introduced the basic concepts of fuzzy soft groups and lattice ordered fuzzy soft groups.

Keywords: Fuzzy soft sets, Lattice ordered fuzzy soft groups, fuzzy soft groups.

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DOMINATION IN REGULAR AND IRREGULAR BIPOLAR FUZZY GRAPHS

Paper ID – 1015

A paper presented by: Abdul Muneera, Dr. T. Nageswarrao

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Abstract

The object of this paper is to generalize the dominations in bipolar fuzzy graphs. In this paper we discuss the concept of domination in regular bipolar fuzzy graph, total domination in regular bipolar fuzzy graphs. We extended our study to dominations in irregular bipolar fuzzy graph and total domination in irregular bipolar fuzzy graphs. Established the relation between highly and neighborly irregular bipolar fuzzy graphs. We studied properties of bipolar fuzzy graphs. Derived some results related to dominations in the above mentioned bipolar fuzzy graphs.

Keywords: Bipolar fuzzy graphs, Domination in regular bipolar fuzzy graphs, total Dominations in irregular bipolar fuzzy graphs.

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DERIVATIONS OF e – COMMUTATIVE BF_1 – ALGEBRA

Paper ID – 1016

A paper presented by: B. Satyanarayana, Mohammad Mastan, D. Ramesh

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Abstract

In 2007, Walendziak, A introduced the class of BF_1 – algebras, which are generalizations of B – algebras. In this paper, the notion of left – right (respectively, right - left) derivation of e – commutative BF_1 – algebra has been introduced and some related properties have been investigated.

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A NOTE ON VAGUE COMPACTNESS

Paper ID – 1017

A paper presented by: V.AmarendraBabu, R. RamyaSwetha, T. Anitha

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Abstract

In this paper we are introducing Vague first countable, Vague second countable, Relative vague topology and Vague compactness. we derive the continuous image of a vague first countable space is first countable and similarly for second countable space and we derive the union of two Vague compact spaces is also Vague compact and also derive some theorems using finite intersection property. In this we derive continuous image of a vague compact space is vague compact.

Keywords: Vague first countable, vague second countable, Vague compact, Relative vague topology.

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MULTI – FUZZY IDEALS OF Γ - NEAR RING

Paper ID – 1018

A paper presented by: K. Hemabala, B. SrinivasaKumar, A.V.S.N. Murthy

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Abstract

Multi – fuzzy set theory is an extension of fuzzy set theory. In this paper, we define the multi fuzzy ideals of Γ - near ring. Also, the notion of anti multi fuzzy ideals of a Γ - near ring is introduced and investigated some related properties. This concept of multi fuzzy ideals of a Γ - near ring is a generalization of the concept of fuzzy ideals in Γ - near rings. Also we define the multi level subsets and multi anti level subsets of a multi fuzzy sub Γ - near ring of a Γ - near ring. In this paper we define the multi level subset and multi anti level subset of AUB. The purpose of this study implement the fuzzy set theory and Γ - near ring theory in multi fuzzy sets.

Keywords: fuzzy set, multi fuzzy set, fuzzy sub Γ - near ring , multi fuzzy sub Γ - near ring , multi – fuzzy ideals , multi anti fuzzy ideals, Cartesian product of multi fuzzy sets

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**GENERATING FUNCTIONS FOR GENERALIZED HYPERGEOMETRIC POLYNOMIALS OF
TWO VARIABLES BY LIE GROUP-THEORETIC METHOD**

Paper ID – 1019

A paper presented by: Tadikonda Srinivasulu, V. S. Bhagavan, P.L. Rama Kameswari, Ch. J.L. Padmaja
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Abstract

Generating functions play an important role in order to study the behavior of the function. Representation theory $SL(2, \mathbb{C})$ and Lie group-theoretic method provide an elegant method for deriving generating functions. The importance of group theoretic method is to create a connection between special functions and the matrix groups and plays a very important role in constructing the first order linear differential operators which generate Lie algebra that is isomorphic to some matrix Lie algebra. The main aim of this paper is to obtain a new class of generating relations for the generalized hypergeometric polynomials set $R_n(\beta; \gamma; x, y)$, using the representation theory $SL(2, \mathbb{C})$ (a complex special linear group). In order to derive the elements of Lie algebra, a suitable interpretation to the index n is given. The suitable J -operators are considered and those have generated a three dimensional Lie algebra $sl(2, \mathbb{C})$ of generalized Lie derivatives of multiplier representation $SL(2, \mathbb{C})$. Various generating functions for $R_n(\beta; \gamma; x, y)$ are obtained using this group theoretic method. These generating functions, in turn yield, as special cases, a number of linear generating functions to various important classical orthogonal polynomials of mathematical physics and statistics, namely, the Laguerre, Miexner, Gottlieb and Krawtchouk polynomials. Many results obtained as special cases are known but some of them are believed to be new in the theory of special functions. These orthogonal polynomials are of great importance and play an important role in different branches of analysis such as harmonic analysis, quantum physics, molecular chemistry, number theory, approximation theory, mechanical engineering, civil engineering and the mathematical theory of mechanical quadratures, etc.

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**AN ECOLOGICAL MODEL OF MUTUAL INTERACTION BETWEEN TWO SPECIES AND A
PREDATOR WITH TIME DELAY**

Paper ID – 1020

A paper presented by: Y. Suresh Kumar, N. Seshagiri Rao, B V Appa Rao,

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Abstract

This paper elucidates a time delay model for a food web ecosystem consisting of three species in which a mutual interaction between two species and a predator, which is depending on both the mutual species. All three species considered in this ecological model are within the limited resources and also the time delay is imposed on the second mutual species and a predator. This model is constituted by first order non-linear ordinary integro-differential equations. The local and global stability natures are discussed around all existing equilibrium points. Further the numerical solutions are performed to analyze the analytical solutions with the approximated solutions.

Keywords: Mutualism interaction, Predator, Equilibrium points, Local and Global stability, Numerical simulations.

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**SOLUTION OF FIRST-ORDER FUZZY DYNAMIC EQUATIONS ON TIME SCALES USING FUZZY
LAPLACE TRANSFORM TECHNIQUE**

Paper ID – 1021

A paper presented by: Ch. Vasavi, G. Suresh Kumar

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Abstract

In this paper, we develop the calculus of fuzzy Laplace transforms on time scales T under generalized Hukuhara delta derivative for the fuzzy valued functions of real variables on T whose values are convex, upper semi-continuous, normal, and compactly supported fuzzy sets in \mathbb{R}^n . We study the fundamental properties and related theorems which help to establish the relationship between the fuzzy Laplace transforms of a fuzzy valued function on T and generalized Hukuhara delta derivative to solve first order fuzzy dynamic equations. These results generalize the results of fuzzy Laplace transforms on fuzzy differential and difference calculus. There are many other T than set of reals and integers, hence one can get much more general result.

Keywords: Fuzzy Laplace transforms; Time scale; Fuzzy dynamic equation; generalized Hukuhara delta derivative; Fuzzy valued function

HAMILTONIAN COMPLETE FUZZY CYCLES ON COMPLETE FUZZY GRAPHS

Paper ID – 1022

A paper presented by: S.VENU MADHAVA SARMA, R. SUNIL KUMAR, K.PUSPHALATHA,
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Abstract

A Hamiltonian Path is a spanning path in a graph, i.e., the path passing through every vertex of the graph. In this paper the connectivity concept plays an important role in both theory and practical applications of complete Fuzzy Graphs. This paper discusses the Hamiltonian complete fuzzy cycle on K_{2n+1} complete fuzzy graph.

Keywords: Hamiltonian path, Spanning tree, complete fuzzy graph.

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N- FOLD IMPLICATIVEV- FILTERS OF LATTICE IMPLICATION ALGEBRAS

Paper ID – 1023

A paper presented by: T. Anitha, S.EswaraishSetty,

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Abstract

We introduce the concept of n- fold implicative V- filters of lattice implication algebras. We discuss the relation between n- fold implicative V - filter and V- filter and some equivalent conditions on n - fold implicative V - filters.

Keywords: Lattices, n-fold, V-filters.

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LINEAR FUZZY NABLA DYNAMIC EQUATIONS ON TIME SCALES

Paper ID – 1024

A paper presented by: R. Leelavathi, G. Suresh kumar, M.S.N.Murty

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Abstract

In this paper, we deal with linear first order fuzzy nabla dynamic equations on time scales under generalized Hukuhara differentiability. We prove a result relating to generalized nabla Hukuhara derivative for the product of crisp and fuzzy functions on time scales. We obtain the solutions to linear first order fuzzy nabla dynamic equations on time scales under different approaches of generalized Hukuhara nabla derivative on time scales. The behaviour of the solutions reflects the significance of generalized fuzzy nabla derivative on time scales and the results are illustrated with suitable examples.

Keywords: Generalized Hukuhara differentiability, Nabla derivative, Time scales.

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APPLICATIONS OF CNN IN IMAGE PROCESSING BY USING FUZZY LOGIC

Paper ID – 1025

A paper presented by: Pramoda Patro, Krishna Kumar, G. Suresh kumar ,
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Abstract

In this paper, various methodology, applications of CNN (Cellular Neural Network) in image processing using fuzzy are described. Here this paper is divided into various sections. Introduction, concepts, basics of CNN are defined in section-I. In section-II, various CNN methodologies are explained. Edge detection and traditional edge detection using CNN are explained in section-III. Fuzzy logic with applications to image processing using CNN is described in section-IV.

Keywords: Cellular neural network, image processing, fuzzy logic, edge detection.

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MODIFIED SUMUDU TRANSFORM FOR SOME FRACTIONAL DIFFERENTIAL EQUATIONS

Paper ID – 1026

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Abstract

Recently we introduced a new integral transform called as Modified Sumudu Transform which has used successfully to solve the differential and also integral equations without restoring to a new frequency domain. In this paper, we introducing the origin of fractional calculus and it is related application on fractional derivatives of the Modified Sumudu Transform.. Once we establish this connection firmly in the general setting, we turn our attention to the application of the Modified Sumudu Transform to some of non-homogeneous fractional differential equations with the initial conditions.

Keywords: Modified Sumudu Transform, Fractional Differential Equations, Initial Value Problems

**CARTESIAN PRODUCT OF VAGUE BI-IDEALS AND VAGUE INTERIOR IDEALS OF A GAMMA-
SEMIRING**

Paper ID – 1027

A paper presented by: Y.Bhargavi, T. Eswarlal, S Ragamayi,

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Abstract

In this paper, we introduce and study the concept of cartesian product of vague sets of a $\hat{\Gamma}$ -semiring R and we characterize vague $\hat{\Gamma}$ -semiring, left (resp. right) vague ideal, vague bi-ideal and vague interior ideals of R in terms of cartesian product of vague sets of R .

Keywords: vague set, left (resp. right) vague ideal, vague bi-ideal, vague interior ideal.

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FIXED POINT THEOREM WITH COMPATIBILITY OF TYPE (A-2) IN FUZZY METRIC SPACE

Paper ID – 1028

A paper presented by: Ankita Tiwari, Raajani Sandhya,

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Abstract

Fixed point theory is an important area in the fast growing fields of non-linear analysis and non-linear operator. It is relatively young but fully developed area of research. Fixed point and fixed point theorem have always been a major theoretical tool in the field widely apart as Differential Equations, Topology, Economics, Game Theory, Dynamics, Optimal Control and Functional Analysis. Moreover more or less recently the usefulness of the concept for applications increased enormously by the development of accurate and efficient techniques for computing fixed points, making fixed point methods major weapon in the arsenal of the Applied Mathematics. The aim of this paper to prove a common fixed point theorem for complete fuzzy metric space with compatibility of type(A-2). Our result generalizes, modifies and extends the results of Khan et.al and Cho.

Keywords: fixed point, compatible mapping, Fuzzy Metric Space, compatible mapping of type(A1) and type(A2).

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**PATA-SUZUKI TYPE UNIQUE FIXED POINT RESULTS IN METRIC SPACES AND AN
APPLICATION**

Paper ID – 1029

A paper presented by: V.M.L.HimaBindu,

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Abstract

In this paper, we obtain a Pata - Suzuki type common fixed point results, based on recent results of Pata and Suzuki. Also we give an application.

Key words: Metric space, Pata type contraction, Suzuki type contraction, C – condition.

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Ψ -CONDITIONAL ASYMPTOTIC STABILITY FOR NON-LINEAR DIFFERENCE SYSTEM

Paper ID – 1030

A paper presented by: T Srinivasa Rao,

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Abstract

The theory of difference equations performs significant role in the fields of digital control systems, digital filter design, image processing and digital signal processing.

In this paper, we provide the sufficient conditions for the Ψ -conditional asymptotic stability of trivial solution for the linear difference system $x(n+1)=A(n)x(n)+B(n)x(n)$ ---(1) as a perturbed equation of $x(n+1)=A(n)x(n)$, where $A(n)$ and $B(n)$ are matrix valued functions and also for non-linear difference system $x(n+1)=A(n)x(n)+f(n, x(n))$ -----(2), where $f(n, x(n))$ is a vector valued function of order m on $N=\{0, 1, 2, 3, \dots\}$.

Keywords: Ψ -conditional asymptotic stability, linear difference system.

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A NOTE ON EXISTENCE AND NON EXISTENCE OF A PARTIAL LATTICE

Paper ID – 1031

A paper presented by: T.Nageswara Rao, J.Pramada,

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Abstract

This paper describes that the existence of compliment of a partial lattice and non existence of the meet, join, difference, and symmetric difference of a partial lattices.

Keywords: Lattice, partial lattice, symmetric difference.

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**RADIATION AND CHEMICAL REACTION EFFECTS ON MHD CASSON FLUID FLOW IN THE
PRESENCE OF POROUS MEDIUM**

Paper ID – 1032

A paper presented by: K. Vijaya, G. V. Ramana Reddy

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Abstract

MHD Casson fluid flow over a vertical porous plate in the presence of radiation, and chemical reaction effects has been studied. The Casson fluid model is used to characterize the non-Newtonian fluid behaviour. The governing equations are solved by a two term perturbation technique method. The effects of various parameters on the velocity, temperature and concentration profiles are discussed through graphically, skin-friction; Nusselt number and Sherwood number are shown in the tabular form.

Keywords: MHD; Casson fluid; heat transfer; radiation; skin-friction

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**EFFECT OF SORET NUMBER AND HEAT SOURCE ON UNSTEADY MHD CASSON FLUID FLOW
PAST AN INCLINED PLATE EMBEDDED IN POROUS MEDIUM**

Paper ID – 1033

A paper presented by: V. Manjula ' K. V. Chandra Sekhar

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Abstract

The present paper describes the Soret and heat generation effects on MHD Casson fluid flow past an inclined plate immersed in porous medium. The non – dimensional governing equations are solved analytically through Laplace transform technique. Exact solutions for velocity and energy are obtained, in terms of exponential and complementary error functions. For better understanding of physical insight of the problem graphical analysis was done under the influence of different critical parameters on fluid flow. Increase in values of Soret number raises the buoyancy force, which in turn results in raise in velocity of the fluid flow. Increase in thermal radiation results in fall in temperature of the fluid.

Keywords: Soret number, Heat source, MHD, Casson fluid, inclined plate, Porous medium.

**INFLUENCE OF THERMOPOROSIS AND DOUBLE STRATIFICATION ON NON ALIGNED
STAGNATION POINT FLOW OF A NON-NEWTONIAN FLUID PAST A POROUS STRETCHING
SHEET**

Paper ID – 1034

A paper presented by: N.VIJAYA

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Abstract

This paper investigates the problem of oblique hydro magnetic stagnation point flow of an electrically conducting Casson fluid over porous stretching sheet embedded in a doubly stratified medium in the presence of thermophoresis, thermal radiation and heat source/absorption with first order chemical reaction. Fluid impinges on the wall obliquely in this flow. Similarity variables were adopted to convert the partial differential equations to ordinary differential equations. The transmuted ordinary differential equations are solved numerically using Runge- Kutta Fehlberg method with shooting technique. It is observed that a boundary layer is formed when the stretching velocity of the surface is less than the in viscid free stream velocity at a point decreases with increase in the non-Newtonian rheology parameter. The intensification of the temperature is observed with the magnetic parameter, heat source parameter and thermal radiation parameter while a reverse effect with thermal stratification number, Prandtl number and the velocity ratio parameter. Influence of Skin friction coefficient, Nusselt number and Sherwood number on the flow configurations for different values of pertinent parameters are exposed realistically and discussed. Numerical results are compared with the published outcomes and are found to be in good agreement with previously published results as special cases of present problem.

Keywords: Magnetic Parameter; Heat source Parameter, Prandtl number; Chemical Reaction; Casson Fluid; Free stream stagnation flow parameters, Porous parameter, Soret number, Thermophoretic parameter.

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SPATIAL AND TEMPORAL SIMULATIONS OF BLOOD FLOW

Paper ID – 1035

A paper presented by: P.S.S.Nagalakshmi, P. Hariprasad

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Abstract

Mathematical models can be broadly defined as a set of equations that expresses the essential features of a physical phenomenon are often based on fundamental scientific law of Physics such as the principle of conservation of mass, conservation of linear momentum and conservation of energy. This study shows to solve differential equations of conservation of mass with finite element method to estimate the effects of unsteady flow of blood. Today finite element analysis is an integral and major component in engineering technologies such as nanotechnology and biotechnology rely on the finite element method to simulate complex phenomenon at different scales for design and manufacture of high technology products.

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**INFLUENCE OF MAGNETIC FIELD, HEAT RADIATION AND EXTERNAL SURFACE
TEMPERATURE ON NANOFLUIDS WITH DIFFERENT BASE FLUIDS IN MIXED CONVECTIVE
FLOWS OVER A VERTICAL CIRCULAR CYLINDER**

Paper ID – 1036

A paper presented by: M. RADHA MADHAVI, N.Vijaya,

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Abstract

The current study deals with the steady of a nanofluid under the influence of magnetic field, heat radiation with prescribed external flow of mixed convective boundary layer flow over a vertical circular cylinder. The radiative heat loss is modelled by Rosseland approximation. Similarity variables are used to remodel the partial differential equations into ordinary differential equations. The remodeled equations are solved numerically by the technique of Runge- Kutta Fehlberg with shooting. During this study two different kinds of nano particles namely Alumina(Al_2O_3) Titania (TiO_2) with water, kerosene and engine oil as the base fluids is studied. For Alumina-water, Alumina-kerosene, Alumina-engine oil, Titania-water, Titania-kerosene and Titania-engine oil nanofluid the nanoparticle volume fraction influences on velocity temperature are presented graphically. The impact of pertinent parameters on velocity and temperatures are resolute and details are mentioned through several plots. The coefficient of skin friction and local Nusselt number for different pertinent parameter are tabulated.

Keywords: Mixed convection, nanofluids, nano particle volume fraction, vertical circular cylinder, magnetic parameter, heat source parameter, radiation parameter.

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**THERMAL EFFECTS IN POWER-LAW FLUID FILM LUBRICATION OF ROLLING/SLIDING
LINE CONTACT**

Paper ID – 1037

A paper presented by: Venkata Subrahmanyam Sajja, Sudam Sekhar Panda, Dhaneshwar Prasad, P. Muthu

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Abstract

A heavily loaded rigid system of roller bearings under adiabatic and isothermal boundaries is studied to investigate the thermal effects in hydrodynamic incompressible power-law fluid film lubrication in the operating behaviour of line contact. The consistency of the lubricant is assumed to vary with the hydrodynamic pressure and the corresponding mean lubricant temperature. The governing equations such as momentum, continuity and thermal energy equations are solved numerically using R-K Fehlberg method. The obtained results, particularly, pressure and temperature profiles are in good agreement with previous findings.

Keywords: Hydrodynamic lubrication, Roller bearings, Thermal effects, Incompressible, Power-law, Line contact.

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**UNSTEADY WALTER'S-B VISCOELASTIC MHD FLOW PAST A VERTICAL POROUS PLATE IN
THE PRESENCE OF RADIATION AND CHEMICAL REACTION**

Paper ID – 1038

A paper presented by: K.Veera Reddy, G.V.Ramana Reddy, Y.Hari Krishna

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Abstract

The present paper intended to analyze an unsteady MHD Walter's-B viscoelastic flow past a vertical porous plate embedded in a porous medium in the presence of the radiation and chemical reaction effects. The dimensionless partial differential equations of governing equations of the flow field are solved numerically using closed analytical method. The velocity, temperature and concentration profiles are discussed through graphically and discussed qualitatively.

Keywords: MHD; Chemical reaction; radiation; porous medium; analytical method; heat and mass transfer.

**EFFECTS OF THERMAL RADIATION AND CHEMICAL REACTION ON UNSTEADY MHD FLOW
ALONG A MOVING VERTICAL POROUS PLATE**

Paper ID – 1039

A paper presented by: Y. Hari Krishna

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Abstract

In this article, we consider effects of force buoyancy and magnetohydrodynamic on convective mass and heat transfer flow past a touching vertical porous plate in the incidence of thermal radiation and chemical reaction. The governing partial differential equations are concentrated to a system of self-similar equations using the similarity transformations. The resulting equations are solved numerically using the 4th order Runge-Kutta method along with the shooting technique. The outcomes are found for the velocity, temperature, concentration, Nusselt number, Sherwood number and skin-friction. The effects of various parameters on flow variables are illustrated graphically, and the physical aspects of the problem are discussed.

Keywords: MHD, porous medium, heat and mass transfer, thermal radiation, chemical reaction.

**EFFECTS OF THERMAL RADIATION AND CHEMICAL REACTION ON UNSTEADY MHD FLOW
ALONG A MOVING VERTICAL POROUS PLATE**

Paper ID – 1040

A paper presented by: P.S. S.Nagalakshmi, N.Vijaya

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Abstract

The homogeneous and heterogeneous reactions in Darcy – Forchheimer flow of Nano fluid through carbon nanotubes in the presence of magnetic field, thermal radiation and gravitational force is studied. The characteristics of Nano fluid for different Nano volume particle size using single and multiwall carbon nanotubes are explored. Diffusion coefficients are considered for both reactants and auto catalysists equally. Appropriate similarity variables were used to convert partial differential equations into ordinary differential equations. The transformed ordinary differential equations are solved numerically using Runge-Kutta-Fehlberg method with shooting technique. The influence of Physical parameters on velocity, temperature and concentration are explored through several plots. Numerical results are compared with the published results and are found to be in good agreement with previously published results as special cases of present problem.

Keywords: Base fluids, Homogeneous and Heterogeneous reactions, Single and Multiwall Carbon nanotubes, Magnetic parameter, Variable thickness, Heat source parameter.

**RADIATION AND CHEMICAL REACTION EFFECTS ON MHD FLOW PAST AN
EXPONENTIALLY ACCELERATED INCLINED POROUS PLATE**

Paper ID – 1041

A paper presented by: V.Padmaja, G.V.Ramana Reddy, N.Vijaya

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Abstract

This communication explores the unsteady MHD free convection flow heat and mass transfer past an exponentially accelerated inclined plate embedded in a saturated porous medium. The combined effect of the present study was to analyze the effect of radiation, heat source/sink and chemical reaction was studied. Analytical solutions of the governing equations are obtained in the closed form. The effect of the various parameters like magnetic field, permeable parameter, heat source parameter, radiation and chemical reaction are discussed and also observed that the effect presence of porous media and magnetic field presents of the flow field is reversible. Moment of various pertinent parameters of the velocity, temperature and concentration profiles are illustrated graphically and discussed in detail.

Keywords: Radiation, Chemical reaction, heat source, magnetic parameter and inclined porous plate.

**SORET EFFECT ON MHD CASSON FLUID FLOW PAST A MOVING VERTICAL PLATE IN THE
PRESENCE OF RADIATION AND CHEMICAL REACTION**

Paper ID – 1042

A paper presented by: Kolli Vijaya, G.V.Ramana Reddy, W.Sridhar

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Abstract

In the current study Soret effect on MHD steady two-dimensional free convective Casson fluid flow past a moving vertical plate in the presence of thermal radiation and chemical reaction is analysed. The governing partial differential equations of the flow, momentum, energy and mass are transformed into ordinary differential equations using suitable similarity variables. These Non-linear system of ordinary differential equations are solved using Runge Kutta method along with shooting technique. The effects of various parameters on the velocity, temperature and concentration are discussed, the Skin-friction, Nusselt number and Sherwood number are discussed in detail. The results are found to be good in agreement with previous literature.

Key words: Casson fluid, MHD, Soret effect, Skin-friction, Heat and mass transfer.

**IMPACT OF CHEMICAL REACTION AND RADIATION ON UNSTEADY MHD FREE
CONVECTIVE FLUID FLOW OF A VISCO-ELASTIC FLUID PAST AN INFINITE VERTICAL
POROUS MOVING PLATE WITH VARIABLE TEMPERATURE AND CONCENTRATION**

Paper ID – 1043

A paper presented by: K. Suneetha, S M. Ibrahim, G.V.Ramana Reddy

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Abstract

This article aims to model and discuss the effectiveness of unsteady MHD free convective flow of a visco-elastic incompressible electrically conducting fluid past a moving vertical plate through a porous medium. A variable time dependent suction velocity $v^* = -V_0(1 + \varepsilon A e^{n^*t^*})$ is considered normal to the flow. The dimensionless governing equations for this investigation are solved analytically using regular perturbation method. The involved differential systems are solved for the velocity, temperature and mass fraction. Graphical and numerical results are described for the analysis of various parameters of attention entering into the modelled problems. Various tables are constructed to show the rheological effects of different physical parameters. Combined effects of thermal and concentration jump are analyzed. Impacts on the non-dimensional velocity, temperature, concentration, Skin friction, Nusselt and Sherwood numbers are analyzed in detail. The effects of the various parameters in the problem are analyzed analytically and presented graphically. It is observed that concentration decreases for increasing the values of both Schmidt number and chemical reaction parameters.

Keywords: Visco-elastic, Heat and mass transfer, MHD, porous, Heat sink, Radiation, Chemical reaction.

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**CHEMICAL REACTION EFFECTS ON NONLINEAR RADIATIVE MHD NANOFUID
FLOW OVER CONE AND WEDGE**

Paper ID – 1044

A paper presented by: T. Sujatha, K. Jayarami Reddy, J. Girish Kumar

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Abstract

The knowledge of heat and mass transfer in nanofluid flows with magnetohydrodynamic conditions over cone and wedge is very significant for design of heat exchangers, transpiration, fiber coating, etc. With this initiation, we construct a mathematical model to investigate the chemical reaction effects on electrically conducting magnetohydrodynamic nanofluid flow over a cone and a wedge. For this purpose, we also consider a nonlinear thermal radiation, viscous dissipation, Joule heating with non-uniform heat source/sink. The transformed equations are solved by using shooting technique based on RK fourth order method. Effects of pertinent parameters of concern on the common profiles are conversed (in two cases). It is perceived that the momentum, temperature and concentration boundary layers are non-uniform for the flow over a wedge and a cone

Key words: MHD, Non-linear Radiation, Nano fluid, Chemical Reaction

**EFFECT OF VISCOUS DISSIPATION ON MHD MIXEDd FREE CONVECTIVE FLOW THROUGH
A POROUS MEDIUM**

Paper ID – 1045

A paper presented by: N. Vedavathi

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Abstract

In this paper the effect of viscous dissipation on MHD unsteady two-dimensional laminar mixed convective boundary layer flow of a viscous, incompressible, electrically conducting and chemically reacting fluid in an optically thin environment, past a semi-infinite vertical permeable moving plate embedded in a uniform porous medium, in the presence of thermal radiation is considered. The x-axis taken in the upward direction along the plate and y-axis normal to it. A uniform magnetic field is applied in the direction perpendicular to the plate. The transverse applied magnetic field and magnetic Reynolds number are assumed to be very small, so that the induced magnetic field is neglected. The equations governing the fluid flow are solved using perturbation technique. The expressions for Skin friction, Nusselt number, Sherwood number are also derived. Dimensionless velocity, temperature and concentration profiles are displayed graphically for different values of the parameters entering into the problem like Prandtl number Pr , Reynolds number R , Hartmann number M , Thermal Grashof number Gr , Mass Grashof number Gm , Suction parameter A , Eeckert number Ec , Schmidt number Sc .

Keywords: Radiation, Chemical Reaction, MHD, Porous Medium.

**NONLINEAR CONVECTIVE FLOW OF WILLIAMSON FLUID OVER A SLENDERING
STRETCHING SHEET WITH MELTING HEAT TRANSFER**

Paper ID – 1046

A paper presented by: M. Gayatri 'K. Jayarami Reddy, M. Jayachandra Babu

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Abstract

The objective of this paper is to analyze the nonlinearity of the Grashof numbers (thermal and diffusion) on the Williamson fluid flow across a stretching sheet with non-uniform thickness with the consideration of melting heat transfer. The modelled equations are non-dimensionalized with the utilization of similarity transformations. We used shooting technique based on Runge-Kutta 4th order method to unriddle the ensuing equations. Influence of key parameters on the common profiles i.e., velocity, temperature and concentration are deliberated with the support of graphs. And also, we examined friction factor, local Sherwood and Nusselt numbers against the same parameters and displayed the results in tabular form. It is seen that Weissenberg number and wall thickness parameters rise the magnitude of friction factor. It is additionally qualified to specify that the temperature and concentration profiles looking high in the absence of melting parameter contrasted with the presence of melting parameter.

Keywords: Grashof number, Williamson fluid, melting surface, non-uniform thickness, shooting technique, chemical reaction, thermal radiation.

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**NUMERICAL SCRUTINIZATION OF THREE DIMENSIONAL CASSON - CARREAU NANO FLUID
FLOW OVER A PERMEABLE STRETCHING SURFACE WITH CONVECTIVE CONDITIONS**

Paper ID – 1047

A paper presented by: P. Nagasantoshia, G. V. RamanaReddy, P. Padma,

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Abstract

In the present article we have inquired the computational analysis of three dimensional Casson and Carreau nano-fluid flow over a permeable stretching surface concerning the convective conditions. After using appropriate self- similarity transformations the PDE are changed to nonlinear ODE. The governing equations are solved numerically using R-K4 based shooting technique. Favourable comparison was performed with previously published research papers for correlating the present results. The impact of dimensionless governing variables on velocity, temperature and concentration profiles along with the friction factors, local Nusselt and Sherwood number is presented through plots and tables. The achieved results are in close agreement with the results obtained in the previous literature. The dual solution is presented for flow, heat and mass transfer in the case of Casson and Carreau fluids.

Keywords: Steady flow; Three dimension flow; Casson fluid; Carreau Fluid; Nano-fluid; stretching Sheet; Convective condition.

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**THERMAL RADIATION AND SLIP EFFECTS ON HEAT TRANSFER OF MHD BOUNDARY
LAYER FLOW OVER A STRETCHING SHEET**

Paper ID – 1048

A paper presented by: D Sreedevi, P.Raja Kumari, D.Ramya,

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Abstract

The boundary layer flow and heat transfer towards a stretching sheet in presence of magnetic field is presented in this analysis. Thermal radiation and slip effects are considered in the energy equation and at the boundary. Thermal radiation term is incorporated in the temperature equation. Similarity transformations are used to convert the partial differential equations corresponding to the momentum and energy equations into non-linear ordinary differential equations. Numerical solutions of these equations are obtained by shooting method. It is found that horizontal velocity decreases with increasing magnetic parameter and slip parameter. Temperature is found to decrease with an increase of thermal slip parameter. Thermal radiation enhances the effective thermal diffusivity and the temperature rises.

Keywords: MHD Thermal radiation, slip conditions, stretching sheet.

**IMPACT OF MELTING HEAT TRANSFER AND NONLINEAR CONVECTIVE FLOW FOR THE
WILLIAMSON FLUIDS OVER A STRETCHING SHEET**

Paper ID – 1049

A paper presented by: M. Gayatri K. Jayarami Reddy, M. Jayachandra Babu
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Abstract

The objective of the present work is to analyze the nonlinear convective flow of Williamson fluid over a stretching sheet in the presence of melting heat transfer by considering various parameters like thermal radiation and chemical reaction. We have transformed the governed equations has a set of nonlinear ordinary differential equation using similarity variables. The transformed equations are solved by using shooting technique based on RK fourth order method.

Plots are used two exhibit the influence of various parameters on velocity, temperature and concentration profiles and also we discussed the influence of same parameters on skin friction, Nusselt number and Sherwood number in tabular form. We noticed that the thermal Grashof number shows opposite behavior on velocity and temperature profile

Keywords: Magnetic nanoparticles; Williamson fluid; Melting heat transfer; Variable sheet thickness

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**NAVIER SLIP EFFECTS ON CONVECTIVE FLOW DRIVEN BY TWO STRETCHABLE DISKS IN
AN ORTHOTROPIC POROUS MEDIUM**

Paper ID – 1050

A paper presented by: K. Gowthami, P. Hari Prasad, M. Jayachandra Babu

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Abstract

In the present study, we analyze the effect of slip on convective flow between two disks in the presence of orthotropic porous medium. A set of equations are solved numerically, shooting method that uses Runge-Kutta method and Newton's method. The features of the flow and temperature profiles for different values of the governing parameters are analyzed and discussed through graphs and tables. It is found that the temperature profiles are decreased as Darcy number increases. Temperature increases with the increased value of stretching parameters. The physical aspects of the problem are highlighted and discussed.

Keywords: Prandtl's number, heat transfer, Nusselt numbers, Skin friction and Darcy number.

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IMPLEMENTATION OF OPTIMAL COVER SEARCH BASED ON KEYWORDS

Paper ID – 1051

A paper presented by: Pushpalatha. K, Prem Nath. M, Aishwarya.P

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Abstract

Now-a-days mobile users are widely interested towards the Location based services which could be implemented through spatial databases. The database which is used to store and retrieve the data that represents geometric objects is defined as spatial database. Not only mobiles, but many other applications require to find the data closest to a specified location which includes a group of keywords, also known as keyword cover. It takes a group of query keywords and the minimum distance between the specified address based on the keyword rating. Over past few years, it has gained its importance in decision making due to the availability of keyword rating. This paper, tries to study the efficient methods to implement the Top-k spatial keyword queries which include algorithms such as Baseline (BA), Keyword-Nearest Neighbor Expansion (K-NNE) and R* tree Algorithms which are effective in finding the best keyword cover.

Keywords: Spatial Database, keyword rating, keyword Cover, K-NNE.

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ON STOCHASTIC LINEAR REGRESSION MODEL SELECTION

Paper ID – 1052

A paper presented by: B. Mahaboob, S. Vijay Prasad, J.Peter Praveen, Ranadheer Donthi

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Abstract

The research article primarily focuses on the criteria for selecting best stochastic linear regression model namely C_p -conditional mean square error prediction, Generalized Mean Squared Error criterion (GMSE) which come out of the deficiencies of R^2 and \bar{R}^2 criteria. The most uncomfortable aspect of both R^2 and \bar{R}^2 measures is that they do not include a consideration of losses associated with choosing an incorrect model. C.L.Cheng et.al, in 2014, in their research paper proposed the goodness of fit statistics based on the variants of R^2 for multiple measurement errors and also studied the asymptotic properties of the conventional R^2 and the proposed variants of R^2 like goodness of fit statistics analytically and numerically. M.Hasheem Pesaran et.al, in 1994, in their paper discussed why both R^2 and \bar{R}^2 are inappropriate as a measure of fit and for model selection in the sense that their use does not guarantee that true model is chosen even asymptotically. D.Wallach et.al, in 1987, in their paper used the mean square error of prediction (MSEP) as a criterion for evaluating models for studying ecological and agronomic systems. M.Revan Ozkale, in 2009, in his paper introduced a new estimator by combining ideas underlying the mined and the ridge regression estimators under the assumption that the errors are not independent and identically distributes when there are stochastic linear restrictions on the parameter vector. David A.McAllester, in 2003, in his article, gave a PAC-Bayesian performance guarantee for stochastic model selection that is superior to analogous guarantees for deterministic model selection.

Keywords: Mean Squared Prediction Error (MSPE), Restricted Least Squares Estimator (RLSE), Generalized Mean Square Error (GMSE), Minimum Variance Unbiased Estimator (MVUBE), Mean squared Error (MSE).

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**LONGEVITY OF INDIA, KERALA COMPARED TO DEVELOPED COUNTRIES A STATISTICAL
ANALYSIS**

Paper ID – 1053

A paper presented by: Nagaraju Vasam, Vasanta Kumar V, Visweswara Rao

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Abstract

This paper discusses about the Longevity at different ages of India and Indian states of Kerala as compared to other developed countries like Japan, Switzerland, USA and UK. Longevity decides the position of the development in Social, cultural, economical and life style of the population of a country. Among the Indian States longevity has been achieved quite a good figure in Kerala and it is also competitively increasing by compared with other developed countries. Author aim is to compare the results with the help of statistical procedures for Life expectancy at birth, at age1 and different ages of India, Kerala and other countries. Data has been collected from the Sample Registration System (SRS) and Government Published records. The statistical analysis has been done by utilizing software SPSS. The results of the analysis revealed; Kerala's life expectancy has shown high and it is competitive with developed countries. Over all India's longevity shown lower compared to developed countries and it is growing gradually in males and females of India. Females longevity upto six years were shown lower in India and after six years it is increased rather than males.

Keywords: India, Longevity, Kerala and SPSS, USA, JAPAN and UK

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**A PARTIAL BACKLOGGING INVENTORY MODEL WITH TWO-PARAMETER WEIBULL
DISTRIBUTION DETERIORATION, TIME-VARYING DEMAND AND HOLDING COST:
INTERVAL NUMBER APPROACH**

Paper ID – 1054

A paper presented by: p.s.keerthika, pavan kumar,

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Abstract

In this paper, we present a partial backlogging inventory model with two-parameter weibull distribution deterioration, time-dependent demand and holding cost. The demand varies with time until the shortage occurs; during shortages, demand rate becomes constant. The interval type uncertainty is considered in inventory parameters. A deterministic model for the total cost is formulated. By introducing the concept of interval numbers, the deterministic model is transformed into interval number model.

Then, by using nearest interval approximation, and the interval arithmetic, the interval model is transformed into multi objective non-linear programming (MO-NLP) model. To solve this problem, the Global Criteria (GC) method is applied. The convexity of the cost function is shown graphically. Sensitivity analysis is also carried out to identify the most sensitive and uncertainty parameters in the proposed model.

Keywords: Inventory Model, Partial Backlogging, Interval Number, Global Criteria method.

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A TREATISE ON CRITERIA FOR SELECTION OF STOCHASTIC LINEAR MODEL SELECTION

Paper ID – 1055

A paper presented by: J.Peter Praveen, B. Mahaboob, Ranadheer Donthi, S. Vijay Prasad

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Abstract

This research article proposes criteria for the selection of the best stochastic linear regression model. This is one of the three special problems of stochastic linear regression model namely, model selection, mis-specification of the model and selection of regressors. Selection of the best model is an important part of stochastic model building. A large number of methods have been developed in the literature for selecting best stochastic linear regression model. Y. Tuac et. al, in 2017, in his research article, presented a small simulation study and real data example to illustrate the performance of the proposed method for dealing with the variable selection and the parameter estimation in restricted linear regression models. Jussi Matta, in 2016, in his paper, studied model selection methods for two domains linear regression and phylogenetic reconstruction focussing particularly on situations where the amount of data available in either small or very large. Guoqui et al. in 1996 in their paper presented several model selection criteria which generally can be classified as the penalized robust method. B.M.Potscher, in 1989, in his research study presented the more general case of regression selection in stochastic linear regression model. Timoteravirta et .al. in 1986 in his research paper discussed the problem choosing a linear model from a set of nested alternatives.

Keywords: OLS estimator, BLUE, ANOVA, residual vector, R^2 statistic.

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**LOSS PROBABILITY OF INTERNET TRAFFIC EMPLOYING PBS MECHANISM USING
CIRCULANT MARKOVIAN MODULATED POISSON PROCESS INPUT TRAFFIC**

Paper ID – 1056

A paper presented by: Ranadheer Donthi, S. Vijay Prasad, B. Mahaboob, J.Peter Praveen
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Abstract

In this research article, the application domains for the network traffic modeling and performance evaluation are proposed. The critical element of network traffic is able to study the performance of different mechanisms of the system and determine the best balance of presentation and cost. There are a number of strategies by which one can apply this Buffer Access Control mechanism; one of such strategies is partial buffer sharing (PBS) mechanism. Blocking problem in network can be dealt with the some priority conduct queuing mechanisms. The loss probability of switch with PBS mechanism to give differentiate services under Circulant Markovian Modulated Poisson Process (CMMPP) Input traffic is investigated here.

Keywords: Self similar traffic, MAP, MMPP, CMMPP, Partial buffer sharing mechanism, loss probability

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**INTERNET TRAFFIC PERFORMANCE ANALYSIS USING CMMPP WITH PBD
MECHANISM**

Paper ID – 1057

A paper presented by: Ranadheer Donthi, B. Mahaboob, S. Vijay Prasad, J. Peter Praveen
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Abstract

This work explores that the partial buffer distribution mechanism under circulant markov modulated Poisson process as an input traffic of an Internet switch by modeling it as CMMPP /M/C/ K queueing system. Instant performance actions, namely, average lengths of critical and non-critical periods are computed and all against system parameters and traffic parameters are examined by using of matrix geometric methods. This type of examination is useful in dimensioning the Internet switch under self-similar input traffic to provide quality of service (QoS) guarantee.

Keywords: Self similar traffic, MAP, MMPP, CMMPP, Partial buffer distribution mechanism.

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**A PARTIAL BACKLOGGING INVENTORY MODEL WITH TWO PARAMETER WEIBULL
DISTRIBUTION DETERIORATION, TIME VARYING DEMAND AND HOLDING COST
INTERVAL NUMBER APPROACH**

Paper ID – 1058

A paper presented by: Pavan Kumar, P.S.Keerthika,

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Abstract

An Inventory model with partial back logging using two parameter weibull distribution.in interval approach.

Keywords: Inventory model, partial back logging, Interval number,Global criteria Method.

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**PERFORMANCE MEASURES OF SINGLE SERVER QUEUING MODEL WITH PENTAGON
FUZZY NUMBERS: DSW ALGORITHM APPROACH**

Paper ID – 1059

A paper presented by: K. Usha Prameela, Pavan Kumar,

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Abstract

In this paper, we propose a single server queuing model in fuzzy environment. We consider the inter-arrival time and service time as pentagon fuzzy numbers. In this proposed model, we apply the concept of the $\hat{1}_{\pm}$ -cut through DSW algorithm for the performance measures. In DSW algorithm, the arrival rate and service rate are fuzzified, and then the arithmetic of interval numbers is applied. To validate and to show the efficiency of the model, numerical examples are illustrated.

Keywords: Queuing Model, Pentagon Fuzzy Numbers, Performance Measure, DSW Algorithm.

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**PERFORMANCE MEASURES OF MULTI-SERVER FUZZY QUEUING MODEL WITH
PENTAGONAL FUZZY NUMBER: DSW ALGORITHM APPROACH**

Paper ID – 1060

A paper presented by: K. Usha Prameela, Pavan Kumar,

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Abstract

This paper presents a multi-server queuing model in fuzzy environment. We assume the inter-arrival time and service time as pentagon fuzzy numbers. In this proposed model, the concept of the $\hat{\alpha}$ -cut through DSW algorithm is applied to determine the performance measures. The arrival rate and service rate are fuzzified in DSW algorithm, and then the rules of arithmetic of interval numbers is implemented. The efficiency of the proposed model is illustrated by solving a numerical example by considering hypothetical input data

Keywords: Queuing Model, Pentagon Fuzzy Numbers, DSW Algorithm.

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AN APPLICATION OF LPP - GRAPHICAL METHOD FOR SOLVING M/M/S QUEUING MODEL

Paper ID – 1061

A paper presented by: S. Vijay Prasad, B. Mahaboob, J.Peter Praveen, Ranadheer Donthi
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Abstract

The subject of linear programming problems has an important role to find an optimal solution and queuing models have an important role to find the required number of servers and expected waiting time in the system etc. Vijay Prasad et. al (2014) in their research paper found the optimal number of servers and optimal minimum total cost by using the M/M/S queuing model. Vijay Prasad et. al (2014) in their another research paper developed an alternating queuing model for Tatkal (emergency) railway reservation system. In this paper we find the required number of servers and expected number of customers in the system of M/M/S queuing model by using linear programming problem - graphical method.

Key words: Linear programming problem, graphical Method, number of servers, expected waiting time in the system, M/M/S Queuing model.

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AN APPLICATION OF BIG-M METHOD IN SOLVING M/M/S QUEUING MODEL

Paper ID – 1062

A paper presented by: S. Vijay Prasad, B. Mahaboob, Ranadheer Donthi, J.Peter Praveen
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Abstract

The concept of LPP plays an important role to obtain an optimal solution and queuing models possess a major part to discover the required number of servers and expected waiting time in the system etc. Vijay Prasad et. al (2014) in their research paper found the optimal number of servers and optimal minimum total cost by using the M/M/S queuing model. In addition to this we found the required number of servers and expected number of customers in the system of M/M/S queuing model by using linear programming problem big-M method

Keywords: Linear programming problem, big-M method, number of servers, expected waiting time in the system, M/M/S Queuing model.

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FORECASTING OF DAILY PRICES OF GOLD IN INDIA USING ARIMA AND FFNN MODELS

Paper ID – 1063

A paper presented by: K Murali Krishna, N. Konda Reddy, M Raghavender Sharma,
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Abstract

Forecast modelling of non-stationary and complex time series is a huge challenge in the area of scientific analysis. Gold is one of the auspicious and valuable metals used by the prehistoric cultures. Prediction of the gold prices gaining importance in the recent years to understand the uncertainties in the prices over time. Understanding the functions of the gold prices is interesting and very important. In this connection, the present paper is aimed to develop a forecasting model to predict the daily gold prices in India with high accuracy. The historical prices of gold were collected from 1st January 2014 to 24th July 2018 and the same is divided into training sample and out-of-sample. The forecasting models were developed using ARIMA and artificial neural networks for the daily gold prices in India. The performance of the forecasting model was evaluated using MAE, MAPE and RMSE. The results show that, the feed forward neural networks model outperforming the traditional ARIMA model.

Keywords: Gold Prices, ARIMA, FFNN, MAE, MAPE and RMSE

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**PREDICTING THE PROBABILITY OF PLACEMENT OF STUDENTS USING BINARY LOGISTIC
REGRESSION MODEL**

Paper ID – 1064

A paper presented by: Srinivasa Rao D, D Satish Kumar, P Bindu, S Anusha,
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Abstract

Student placement is a key issue in the contest of mismatch of student skills and industry requirements. Number of factors influence student placement, in the Educational institutions. Academics performance, soft skills, technical capabilities, Domain Knowledge are the commonly identified factors which determine the placement chances of the students. Binary logistic regression is a well-known technic that can be used to predict the probability of placement or Nonplacement, given a set of features as mentioned above. It is one of the machine learning algorithm which is extensively used in predicting the probability of binary outcome. The present paper uses secondary data obtained from previous placement history of the students in three different institutes. The Predictors used in the model are students CGPA, Gender, Domain area, soft skills performance, their previous academic record etc. The data is split into Training data, Testing data. The model was fitted training data and accuracies estimated using goodness of fit measures. The model is tested against the testing data set and based on predicted probabilities of the model its deployment is decided. The threshold deployment limit is fixed at 70%. Based on this moral we can predict the probability that a new student with a set of features can be placed with certain probability given his required features.

Keywords: Binary logistic regression, Placement, Features, Goodness of fit.

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A REVIEW ON MISSPECIFICATION TESTS FOR STOCHASTIC LINEAR REGRESSION MODEL

Paper ID – 1065

A paper presented by: J. Peter Praveen, B. Mahaboob, Ranadheer Donthi, S. Vijay Prasad
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Abstract

This research article explores some misspecification tests for stochastic linear regression model viz. Durbin-Watson test, Ramsey's regression specification error test, Lagrange's Multiplier test, UTTS' rainbow test. Any type of error occurred in the set of underlying assumptions of a stochastic linear regression model and the associated inferences lead to 'specification errors'. These errors will present particularly in specifying the error vector ε and the data matrix X. Generally specification errors are caused by the inclusion of irrelevant independent variables or exclusion of relevant independent variables in the stochastic linear regression model. Raymond J.G.M.Florax et al, in 2003, in their research paper introduced the notion of spatial effects referring to both heterogeneity and interdependence of phenomena occurring in two dimensional space and reviewed tools for exploring spatial data analysis and misspecification tests for spatial effects in linear regression models. Russell Davidson et al. in 1984, in their paper developed a simple computational procedure for performing a wide variety of model specification tests. George L.Light, in 2010, in his paper discussed, by a proposition and numerical example, how a classic simple or normal regression can achieve with 0.99 probability a near perfect fit to a random sample of any size but due to the omission of an independent variable the signs of the estimated coefficients are all wrong thus distinguishing prediction with causation.

Keywords: Mis-specification, Test Statistic, OLS estimator, BLUE, Residual Vector, OLS residuals.

A GLANCE ON THE ESTIMATION OF COBB-DOUGLAS PRODUCTION FUNCTIONAL MODEL

Paper ID – 1066

A paper presented by: J. Peter Praveen, Ranadheer Donthi, S. Vijay Prasad, B. Mahaboob
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Abstract

The main purpose of this research article is to describe the methods of estimation of most frequently used nonlinear production functional model in economic analysis namely COBB-DOUGLAS production functional model by using nonlinear method of estimation and logarithmic linear transformation. B.Mahaboob et al. in their research paper, in 2017, estimated the parameters of generalized COBB-DOUGLAS production functional model. In 2017, B.Venkateswarlu et al. in their research article, discussed the fitting of full COBB-DOUGLAS by solving goal programming problem. Shaiara Husain et al. (2016), in their research study, found that COBB-DOUGLAS production function is applicable in the context of manufacturing sector and revealed an interesting aspect that this sector exhibits increasing returns to scale.

Keywords: CES, Production Function, Residual Sum of Squares, Nonlinear method of estimation, Linear transformation, Technological Coefficient.

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**PASSENGER PERCEPTION ABOUT UDAN SCHEME AND ASCERTAIN ITS ROLL IN REGIONAL
CONNECTIVITY IN INDIA**

Paper ID – 1067

A paper presented by: D. Satish Kumar, P.V.Narasimharao, P.Purnachandra Rao, S. Anusha,
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Abstract

Government of India Ministry of Civil Aviation released the National Civil Aviation Policy 2016 (NCAP-16), that focuses on making flying affordable to the masses and strengthening the regional air connectivity. One of the objectives of NCAP is to enhance physical support and infrastructure development. To achieve this objective, it is required to establish and integrated ecosystem which will lead to significant growth of the civil aviation sector. In this contest Government of India released a Scheme UDAN (UdeDesh ka AamNagarik), which is a regional airport development and regional connectivity scheme (RCS) this scheme is aimed at making air travel affordable and wide spread, thereby leading to economic development and employment in all regions of the India. Initially out of the 486 Indian airports 406 were participating in UDAN. The performance of UDAN during last two years needs to be evaluated so as to assess whether its intended objectives are met and suggestions for future strategies need to be given. In this contest the present study intended to ascertain the passenger perception about UDAN scheme and ascertain its roll in regional connectivity in India. To achieve this a Random sample of 555, UDAN users were taken and a structured questionnaire was used to obtain their opinions regarding UDAN implementation. Based on the responses the success and changes faced by UDAN scheme was assessed using descriptive data analytical tools and inferential statistical tools.

Keywords: UDAN, NCAP, RCS, Descriptive data tools, Inferential data tools.

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**TAGUCHI APPROACH FOR OPTIMIZATION TO IDENTIFY THE RANGE OF PROCESS
PARAMETER IN MEASURING THE TENSILE STRENGTH USING THE FICTITIOUS
PARAMETER**

Paper ID – 1068

A paper presented by: Charan kumar G, K. Rajyalakshmi

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Abstract

Taguchi approach is adopted to optimize the process parameters and improve the quality of components that are manufactured. The objective of this paper is to determine the expected range for the process parameters in the optimization process by introducing the fictitious parameter. Introduction of the fictitious parameter for the same test runs provides the expected range of the output responses. By using the fictitious parameter the % contribution of the factors are 63, 26, 10 and 1% respectively of the factors rotation speed, welding speed, tool geometry and the fictitious. It is very interesting note that, the test data (after verification of the statistical conditioning) is found to be within the expected range. Modifications in the Taguchi approach by providing the expected range of the output response to the input process parameters and validation of the modified Taguchi approach using the test data.

Keywords: Taguchi Method, Statistical conditioning, fictitious parameter.

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**OPTIMIZATION OF OUTPUT RESPONSE BY COMBINING THE METHODS OF TAGUCHI AND
CENTRAL COMPOSITE DESIGNS**

Paper ID – 1069

A paper presented by: Varalakshmi.M, K. Rajyalakshmi, A. Suhasini

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Abstract

Nature of the output response in any scientific investigation has to be understood through experimentation prior to the development of a suitable mathematical model. When several input variables are involved in the scientific problem, it is very difficult to develop a relation between the output responses in terms of input variables. Graphical representation of the output response with input variables is involved if not impossible. In such situations, second order rotatable design (SORD) concepts will be more useful in developing the appropriate empirical relations. As the number of input variables are increasing (with the assigned levels to each variable), there is a need to conduct more number of experiments which may sometimes be practically impossible. Taguchi design of experiments can solve the problem with less number of experiments and provides complete information useful for the applications of second order rotatable designs. Though these methods are popular, there is a need to develop new methodology in order to decrease the number of experiments by adopting SORD. This paper, aims at developing improved algorithms for SORD in order to optimize the output responses.

Keywords: Fuzzy Laplace transforms; Time scale; Fuzzy dynamic equation; generalized Hukuhara delta derivative; Fuzzy valued function.

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MACHINE LEARNING METHODS FOR SOFTWARE DEFECT PREDICTION A REVISIT

Paper ID – 1070

A paper presented by: Venkata Raghava Rao, Y, Burri, Rama Devi, Prasad, B.V.N.

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Abstract

Software defect prediction (SDP) is a challenging factor in the area of Computer Science. Software engineering is the fertile ground to each and every computer science project, which results the Computers the feature to develop the planning on an accurate job by means data. ML Machine based learning was enhanced by those implemented research on Pattern Identification with Computational intelligence based on Artificial Intelligence (AI)". These (ML) Machine based knowledge tactics are boosted in resolving those faults which are occurring from validation in addition with Domain based systems. Those programming-based difficulties which are designated as the procedure-oriented knowledge with in those situations and alterations. A predictive model which is measured into two ways. First one is Defective Module and second one is Non-defective Module. The two predictive modules are formed by using (ML) Machine Learning techniques. Machine learning methods be cooperative in software defect prediction. For the existing data sets are collected from NASA and Eclipse from promise repository which is a motivated version of UCI repository which is developed in 2005. We have a lot of learning ways to notice defects in software. Here we are revisiting the ML methods for SDP (software defect prediction).

Keywords: ML Techniques, Performance, measures, Predictive analytics, Software defect prediction

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**REUSABLE OBJECT ORIENTED DESIGN FOR STEREOGRAPHIC PROJECTIONS OF
TETRAGONAL POINT GROUPS**

Paper ID – 1071

A paper presented by: Nagesh, Puvvada, Radha Madhavi, M, Surendra Prasad Babu, M.

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Abstract

Design patterns is one of the latest technique in software development, emerged from object-oriented community. Pattern is a recurrent resolution to any normal problem. When associated patterns are merged together they forms a language that will provide a procedure for the logical purpose of software development related problems. An attempt has been made to connect these „hot topics“ with the renewed crystallography especially in the era of crystal symmetry and physical properties. The “Abstract factory method” of the patterns is applied to determine the physical properties, exhibited by the crystal belonging to the tetragonal ferroic point groups.

Keywords: Abstract Factory method, Physical properties, Stereographic projections, Tetragonal point groups

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**TRANSIENT ANALYSIS OF CRN WITH PROVISION OF FINITE BUFFER FOR SECONDARY
USERS**

Paper ID – 1072

A paper presented by: Satya Vara Prasad, B. B.V, Basaveswara Rao, Bobba, Vasanta Kumar, V

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Abstract

The transient analysis of secondary users with opportunistic access to the spectrum with the provision of buffer is studied in this paper. As the research issues discussed in this paper deals with multiple channels for service provision and a buffer used for waiting to avail service, the analytical finite queuing model, M/M/C/K fits to the problem scenario is opted. With the progression of time, the spectrum management with Cognitive Radio Networks (CRN) becomes unstable as the demand from both secondary and primary users varies. To handle these fluctuations in arrival rate, this paper focuses on the issues of provision of buffer not only to interrupted secondary users but also to the newly arriving secondary users when all channels are busy. The ultimate goal of spectrum management is to avail maximum revenue with the effective usage of resources and the provision of same buffer also for newly arriving users whether increases in throughput is discussed. In this paper, much focus is carried towards the optimal usage of buffer for increasing the service rate to the secondary users waiting for opportunistic access of the spectrum so that maximum revenue can be generated. The timely varying problems are handled by modeling the system with priorities among the users while accessing the channels and occupying the buffer. The reservation of channels by newly arrived secondary users waiting in buffer deals with the admission control issues with a confidence factor in channel access. The paper modeled to deal these objectives by deriving differential equations and important performance metrics are evaluated. Numerical illustration is carried out and the analytical results presented as tables and graphs and conclusions are drawn.

Keywords: Blocking probability, Cognitive radio networks, M/M/C/K, Queue length , Throughput

**TRANSIENT ANALYSIS OF INTERRUPTED SECONDARY USERS WITH THE PROVISION OF
FINITE BUFFER**

Paper ID – 1073

A paper presented by: Satya Vara Prasad, B. B.V, Basaveswara Rao, Bobba, Vasanta Kumar, V

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Abstract

This paper investigates the provision of buffer mechanism impact for interrupted secondary users using analytical finite time dependent queuing model. The main focus of the research area in Cognitive Radio Networks(CRN) is the spectrum access management of the secondary users along with interrupted secondary users, because the secondary users play key role for getting maximum revenue of service providers with opportunistic spectrum access. During the transmission period of secondary users, the handoffs occurred due to primary user arrivals when all channels are busy. The primary users arrival rate, the state of all channels busy are fluctuated from time to time. In this paper, to resolve these timely varying problems with a two fold. (i) provision of buffer for the interrupted secondary users (ii) transition analysis is carried out to identify transition behavior of interrupted secondary users. For achieving these objectives, the CRN transmission process modeled as multi channel with finite buffer queueing model and differential equations are derived. Important performance metrics are evaluated based on these derived equations and numerical illustration is carried out. The analytical results presented as tables and graphs and conclusions are drawn.

Keywords: Blocking probability, Cognitive radio networks, M/M/C/K, Queue length, Throughput.

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**ON THE DYNAMICAL BEHAVIOUR OF THREE SPECIES FOOD CHAIN MODEL WITH TIME
DELAY**

Paper ID – 1074

A paper presented by: Y.Suresh Kumar, N.Sheshagiri Rao, B.V.AppaRao

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Abstract

A three species model in an ecosystem involving a mutualist interaction among two species and a predator is considered across an autonomous system of intragroup-ordinary delay differential equations. Due to the gestation of the predator, the delay term is proposed to the predator functional response in the model equations. The delay length is estimated how far the stability of the interior equilibrium continues to hold, if the interior equilibrium point is asymptotically stable with no delay term is under consideration. Further the local and global stabilities are discussed by perturbed method and a suitable Lyapunov technique. Also observed the increasing delay can cause a bifurcation of the stable equilibrium into periodic solutions. Finally, the numerical solutions are compared with theoretical results of the model at the end.

Keywords: Delay, Equilibrium points, Local and global stability, Lyapunov technique, Mutual species, Numerical simulations, Predator.

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**PREDICTION AND ESTIMATION OF PM10 AND SO2 CONCENTRATIONS IN THE AMBIENT
AIR AT VIJAYAWADA STATION USING ARTIFICIAL NEURAL NETWORKS COMPUTING**

Paper ID – 1075

A paper presented by: P.Raja Kumari. Bojja, Polaiah

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Abstract

The point of this paper is to use Artificial Neural Networks and Fuzzy Logic for measuring and foreseeing of vital contamination parameters that is SO₂ and PM₁₀ fixations. Structure and advancement of soft computing specialized methodologies like Feed-forward Back Propagation arrange (BPN) model and Mamdani Fuzzy Inference show which are prepared and tried utilizing five years past information (meteorological information). For improving the precision of estimation, assessing the base determining mistake (minimum forecast error) and the outcomes are done by utilizing MATLAB software. To contemplate the connection between meteorological parameters and PM₁₀ by utilizing the previous authentic information to such an extent that they can be utilized for prediction of pollutant. To set up a model for the forecast of PM₁₀ dependent on meteorological parameters at every single station by utilizing Artificial Neural Networks. To set up a model for the prediction of SO₂ dependent on meteorological parameters including PM₁₀ as one of the information parameters at every single station by utilizing Artificial Neural Networks. To set up a model for the forecast of PM₁₀ and SO₂ dependent on meteorological parameters at every single station by utilizing Artificial Neural Networks as a Computing techniques.

Keywords: Air pollution, Artificial neural-networks, Expectation, Forecast, Pm10, Sulfur dioxide.

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**INVENTORY OPTIMIZATION MODEL FOR QUADRATIC INCREASING HOLDING COST AND
LINEARLY INCREASING DETERMINISTIC DEMAND**

Paper ID – 1076

A paper presented by: Dr. Pavan Kumar

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Abstract

This article proposes an inventory optimization model for quadratic increasing holding cost and with linearly increasing deterministic demand. Demand function changes with time up to the shortage occurrence. During the period of shortages, demand is constant. Partial backlogging type shortage is considered by assuming constant deterioration. As an economic order quantity (EOQ) problem, an equation for the total cost function is formulated as an optimization problem by applying Maclaurin series approximation. For the optimization of this problem, the second order derivative method is applied. The Cost function convexity is demonstrated with the help of graph in three dimensions. Numerical experimentation is carried out with the support of two numerical examples. The experimented optimal results are included in tabular form for more clarity. Some graphical representations are drawn to show the variations in various parameters of the model. An analysis of sensitivity of the model is performed to detect the most as well as the least sensitive parameters in the proposed optimization problem.

Keywords: Inventory optimization, Maclaurin series, Shortages.

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ON LE-TERNARY SEMI GROUPS-I

Paper ID – 1077

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Abstract

We investigated and studied about Poe-ternary semi groups, le-ternary semi groups and Ve-ternary semi groups.

Keywords: (u,v,p)-quasi tie, (u,v,p)-tie, Le-ternary semi group, Poe-ternary semi groups, Ve-ternary semi groups

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ON LE- TERNARY SEMI GROUPS-II

Paper ID – 1078

A paper presented by: **Dr.Ch.Sreemannarayana, D.Madhusudhana Rao, P. Sivaprasad,**
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Abstract

The ternary semi group of all bi-ties (K) of le-ternary semi group K is a band iff K is both regular as well as intraregular. Here, we show (K) is a band iff it is normal band. Our main aim to prove (1) Suppose K be an le-ternary semi group. Then $(K)(K)\mathfrak{R}(K) \subseteq (k)$. Moreover, K is regular, then $(k) = (K)(K)\mathfrak{R}(K)$. (2) Let K is a regular le-ternary semi group. Then (K) , (K) , & $\mathfrak{R}(K)$ are bands. (3) An le-ternary semi group K is regular as well as intraregular iff (k) is a band (4) Suppose that K be an le-ternary semi group. Then K is both regular as well as intraregular iff (k) is a normal band. (5) An le-ternary semi group K is left duo iff $kle \leq lek \leq ekl$ for all $k, l \in K$ (6) An le-ternary semi group K is duo iff $kle = lek = ekl$ for all $k, l \in K$. (7) An le-ternary semi group K is regular left duo iff (k) is a left normal band. (8) An le-ternary semi group K is regular right duo iff (k) is a right normal band.

Keywords: And regular, Bi-ideal element, Duo, Intra-regular, Locally testable, Normal band, Regular

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**MAGNETOHYDRODYNAMIC CASSON FLUID FLOW OVER A VERTICAL POROUS PLATE IN
THE PRESENCE OF RADIATION, SORET AND CHEMICAL REACTION EFFECTS**

Paper ID – 1079

A paper presented by: Vijaya, K. Reddy, G.V.R.

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Abstract.

MHD Casson fluid flow over a vertical porous plate in the presence of radiation, Soret and chemical reaction effects has been studied. The Casson fluid model is used to characterize the non-Newtonian fluid behaviour. The governing equations are solved by a two term perturbation technique method. The effects of various parameters on the velocity, temperature and concentration profiles are discussed through graphically, skin-friction; Nusselt number and Sherwood number are shown in the tabular form.

Keywords: Casson fluid, Heat transfer, MHD, Radiation, Skin-friction, Soret number.

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**CHARACTERIZATION THEOREM FOR FUZZY FUNCTIONS ON TIME SCALES UNDER
GENERALIZED NABLA HUKUHARA DIFFERENCE**

Paper ID – 1080

A paper presented by: Leelavathi, R, Suresh Kumar, G.

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Department of Mathematics, Koneru Lakshmaiah Education Foundation, Guntur, Vaddeswaram, Andhra Pradesh, India.

Abstract

We establish a class of new derivative called nabla gH-derivative (generalized-Hukuhara) for fuzzy functions on time scales under generalized Hukuhara difference (gH-difference). We present a characterization theorem for multivalued fuzzy function G which are generalized nabla (∇^{gh}) differentiable under gH-difference.

Keywords: Fuzzy functions, Generalized Hukuhara difference, Time scales.

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**THERMAL EFFECTS IN POWER-LAW FLUID FILM LUBRICATION OF ROLLING/SLIDING
LINE CONTACT**

Paper ID – 1081

A paper presented by: Revathi, G, Sajja, V.S, Prasad, D.

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Abstract

Hydrodynamic lubrication of heavily loaded rigid system of non-symmetric roller bearings is studied to investigate the thermal effects in the operating behavior of line contact under isothermal and adiabatic boundaries. The incompressible power law lubricant is here considered and its consistency is taken to change with hydrodynamic pressure and the corresponding mean lubricant temperature. The flow controlling equations such as momentum, continuity and thermal energy are solved numerically using R-K Fehlberg method. The results obtained particularly, pressure, mean temperature, load and traction profiles are in good agreement with the previous findings.

Keywords: Hydrodynamic lubrication, Incompressible, Non-Newtonian, Power-law, Roller bearings, Thermal effects.

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**PREDICTING STUDENT'S CAMPUS PLACEMENT PROBABILITY USING BINARY LOGISTIC
REGRESSION**

Paper ID – 1082

A paper presented by: Satish Kumar, D, Siri, Z.B, Rao, D.S, Anusha, S.

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Abstract

Students aspiring for technical education generally select educational institutions with good track record in campus placements. Many a times the reputation of such institute is determined by the pay packages offered by recruiters to its students. In this context it is pertinent to investigate and identify those factors that may influence the student campus placement chances in technical education. The State of Andhra Pradesh which has a high concentration of technical education institutes was chosen as the study area. A careful review of literature leads to the identification of six hypothetical determinants of student campus placement in technical education. A random sample 250 MBA student's placement data were gathered from different institutes and six predictor binary logistic regression model was fitted to the data to estimate the odds for the student campus placement. Estimated Results of the study indicate that the chances of campus placement is influenced by four predictors: CGPA, Specialization in PG, Specialization in UG and Gender.

Keyword: Campus Placements, Technical Education, Odds Ratio, Binary Logistic Regression, Goodness of Fit, Confusion Matrix.

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MUTUALISIM BETWEEN TWO SPECIES AND A MORTAL PREDATOR WITH HOLLING TYPE-II RESPONSE FUNCTION

Paper ID – 1083

A paper presented by: Suresh Kumar, Y, Seshagiri Rao, N, Appa Rao, B.V.

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Abstract

We analyze the dynamics of a general model of three-species mutualistic interaction among two species and a mortal predator, which consumes the first mutual species in terms of Holling type-II functional response manner. Local stability around the existing equilibrium points is investigated by using perturbed method. Sufficient conditions for the global stability are obtained by means of employing Lyapunov's method around boundary equilibrium points. The population stochasticity around the steady state of co-existence due to white noise is also computed. Finally, the numerical illustrations are carried out to support the study.

Keywords: Holling type-II function, Local and global stability, Mutual interaction, Numerical simulations, Predator, Stochastic analysis.

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**MODIFIED TAGUCHI APPROACH TO TRACE THE OPTIMUM GMAW PROCESS PARAMETERS
ON WELD DILUTION FOR ST-37 STEEL PLATES**

Paper ID – 1084

A paper presented by: Rajyalakshmi, K, Nageswara Rao, B.

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Abstract

Because of measurement errors and unknown influential input process parameters, unavoidable scatter can be expected in the nonlinear output response of repeated experiments. The Taguchi method suggests an orthogonal array for identifying optimum input process parameters by performing a few tests and confirming through experiments (if necessary). This article provides a simple methodology and its validation by tracing the optimum gas metal arc welding (GMAW) process parameters on the %weld dilution of ST-37 steel plates. It is possible to specify the expected range of the weld dilution for the GMAW process parameters.

Keywords: Confirmation of experiments, Expected range, Gas metal arc welding process, Input process parameters, Modified Taguchi method, ST-37 steel plate, Weld dilution.

**UNCERTAINTIES IN THE PERIODIC SOLUTION OF A TRULY NON-LINEAR OSCILLATOR
DIFFERENTIAL EQUATION USING MDTM**

Paper ID – 1085

A paper presented by: Praveen, J.P, Rao, B.N.

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Abstract

A periodic solution is obtained for a truly nonlinear oscillator differential equation and the corresponding energy relation using the modified differential transform method (MDTM). Unlike the method of harmonic balance with lower order harmonics, the MDTM provides the same approximate solution for these two nonlinear oscillator differential equations. The phase diagram generated from the approximate solution differs appreciably when compared to the actual phase diagram. Improvements proposed earlier by the present authors in the MDTM are partially successful in bridging the gap between the approximate and actual phase diagrams. Several researchers have claimed the MDTM as an efficient semi-analytical method. However, the present study cautions its usage on the truly nonlinear oscillator differential equations.

Keywords: Energy relation, Equation of motion, Harmonic balance method, Modified differential transform method, Periodic solution, Phase diagram, Truly nonlinear oscillator.

NUMERICAL STUDY OF CARREAU NANOFLUID FLOW UNDER SLIPS

Paper ID – 1086

A paper presented by: Naga Santoshi, P, Venkata Ramana Reddy, G,

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Abstract

The numerical exploration of three dimensional Carreau magneto Nanofluid flow through a stretching sheet has been bestowed with considering nonlinear thermal radiation, velocity, thermal and mass slips. The heat and mass transfer attributes have been reported under the existing important variables in this work. The elementary equations which influence flow are remoulded to a system through the similarity transmutations. The remoulded system together with the boundary restrictions are procured deploying Runge–Kutta 4th order process and Shooting approach numerically. The impacts of involving physical variables on heat and mass transfer features are examined. The impacts of the important variables on skin friction factors have been tackled via tables. The Nusselt number's estimates and Sherwood number's estimates have been obtained and tackled via graphs and tables. This study predicts that the velocity distribution is suppressed by greater values of Hartmann number. The temperature profile and concentration profile both upgrade with uplifted estimates of thermophoresis parameter, while they decay with augmented values of thermal slip parameter. The skin friction coefficients improve with hiking estimates of permeability parameter, while depreciate with the ratio of infinite shear rate viscosity to the zero shear rate viscosity. Mounting estimates of Lewis number enhance the temperature distribution.

Keywords: Carreau nano fluid, Convection condition, MHD, Radiation, Stretching sheet.

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**EXISTENCE-UNIQUENESS OF SOLUTIONS FOR FUZZY NABLA INITIAL VALUE PROBLEMS
ON TIME SCALES**

Paper ID – 1087

A paper presented by: Leelavathi, R, Suresh Kumar, G, Murty, M.S.N, Srinivasa Rao, R.V.N.
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Abstract

This paper is devoted to studying the existence and uniqueness of solutions of fuzzy nabla dynamic equations on time scales under Hukuhara differentiability. We apply the Banach contraction mapping principle to establish existence and uniqueness solution for fuzzy nabla initial value problems on time scales and also obtain existence result using Ascoli's theorem and Schauder's fixed point theorem.

Keywords: Fuzzy differential equations, Hukuhara difference, Nabla Hukuhara derivative, Time scales.

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**A STUDY ON FREE CONVECTIVE HEAT AND MASS TRANSFER FLOW THROUGH A HIGHLY
POROUS MEDIUM WITH RADIATION, CHEMICAL REACTION AND SORLET EFFECTS**

Paper ID – 1088

A paper presented by: Suneetha, K, Ibrahim, S.M, Ramana Reddy, G.V.

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Department of Mathematics, K. L University, Guntur (Dt), Vaddeswaram-502522, India.

Abstract

This paper addresses the effects of Soret on unsteady free convection flow of viscous incompressible fluid through a porous medium with high porosity bounded by a vertical infinite moving plate under the influence of thermal radiation, chemical reaction, and heat source. The fluid is considered to be gray, absorbing, and emitting but non-scattering medium. Rosseland approximation is considered to describe the radiative heat flux in the energy equation. The dimensionless governing equations for this investigation are solved analytically using perturbation technique. The effects of various governing parameters on the velocity, temperature, concentration, skin-friction coefficient, Nusselt number and Sherwood number are shown in figures and tables and analyzed in detail. It was noticed that velocity distribution increased with increasing buoyancy parameters; temperature decreased with increasing Prandtl number, and concentration decreased with increasing the Schmidt number and chemical reaction parameter.

Keywords: Chemical reaction, Free convection, Heat source, Highly porous, Soret, Thermal radiation.

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**HEAT AND MASS TRANSFER ON MHD FLUID FLOW OVER A SEMI INFINITE FLAT PLATE
WITH RADIATION ABSORPTION, HEAT SOURCE AND DIFFUSION THERMO EFFECT**

Paper ID – 1089

A paper presented by: Dharmaiah, G. Baby Rani, C, Vedavathi, N, Balamurugan, K.S.

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Abstract

Analytical investigation is carried out to analyze the unsteady, two-dimensional, laminar, boundary layer flow of a viscous incompressible electrically conducting and heat absorbing fluid along a semi-infinite vertical permeable moving plate in the presence of Diffusion-thermo and radiation absorption effects. The set of ordinary differential equations are solved by using perturbation technique. The effects of the various fluid flow parameters on velocity, temperature and concentration fields with in the boundary layer have been analyzed with the help of graphs. Numerical values of local skin-friction coefficient, nusselt number and Sherwood number are tabulated.

Keywords: Diffusion-thermo, Heat absorption, MHD, Radiation absorption, Unsteady.

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MODIFIED ESTIMATOR FOR MEAN OF LOG-NORMAL POPULATION

Paper ID – 1090

A paper presented by: Bhaskara Rama Sarma B, Vasanta Kumar V, Lalitha S.V.N.L

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Abstract

This paper focuses on modified estimator for population mean in case of systematic sampling procedure in view of minimum mean squared error and sacrificing unbiasedness property of estimator. This estimator is constructed by using known coefficient of variation of the population under study. The underlying procedure of construction is that of Searle.D.T.(1964).The intra- correlation coefficient of strata is observed to play key role in this construction. The relative efficiencies(REF) of constructed estimator over existing conventional estimator of systematic sampling are obtained for various values of known coefficient of variation and hypothetical values of intra class correlation coefficient. The numerical results are tabulated, and it is established that constructed estimator is more efficient than the conventional estimator.

Keywords: Co-efficient of variation (C.V), Log-normal population, Minimum mean squared error, Relative efficiency.

**QUEUEING SYSTEM WITH CUSTOMER RENEGING DURING VACATION AND BREAKDOWN
TIMES**

Paper ID – 1091

A paper presented by: Vasanta Kumar V, Srinivasa Rao T, Srinivasa Kumar B.

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Department of Mathematics, Koneru Lakshmaiah Education Foundation, Guntur, Vaddeswaram, AP, India.

Abstract

Queueing models to analyze customer renegeing have been studied by several researchers in the past. Customer renegeing is always due to long wait already experienced at a queue. In this paper, we consider an queueing system with customer renegeing during vacation and breakdown times. We consider multiple vacations of the server and derive the probability generating functions of the number of customers in the system when the server is in vacation period, busy period and breakdown period. Then, we derive the closed form expressions for the mean system sizes when the server is in vacation or busy or breakdown period.

Keywords: Breakdowns, Queue, renegeing, vacation.

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THE IMPACT OF CUSTOMERS TRUST, VALUE, SATISFACTION AND LOYALTY TOWARDS E-COMMERCE WEBSITES

Paper ID – 1092

A paper presented by: Phani Bhaskar P, Prasanna Kumar D, Rajya Lakshmi K

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Abstract

This paper investigates the factors influence on customer loyalty towards e-commerce websites. The study had considered the six validating factors (Search engines, personal perception, promotional e-mails, media advertisement, friends and relatives) which have potentially impact e-customer – loyalty towards ecommerce websites. The study has been performed on the primary data and applied discriminant analysis and linear regression. The result of the study states that the e-customer's validating constructs trust, value, and satisfaction impact on customers' loyalty towards e-commerce websites. This paper is useful to the e-commerce websites and the users.

Keywords: Satisfaction and E-commerce websites, Trust, Value.

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**ON THE USAGE OF ARYABHATTA REMAINDER THEOREM FOR IMPROVED PERFORMANCE
OF RPRIME RSA**

Paper ID – 1093

A paper presented by: Padmaja C.H.J.L, Bhagavan V.S.

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Abstract

In the recent era, RSA is one of the widely known and largely used public key cryptosystems in the world. To improve the performance and speed of RSA cryptosystems, many variants to original RSA have been suggested in the literature. But there is no published literature on the evaluation of these faster variants based on the security aspects such as attacks and mitigation strategies. Through this article we intended to perform a classification of faster RSA variants, cryptanalytic attacks of RSA, mapping of different attacks to mitigation strategies and a complete evaluation of Faster RSA variants based on the severity of security threats. To assess the severity of threats, a Threat Severity Evaluation classification of these variants has been made. Also, we extended our study to look upon how the performance of RSA variants changes with a change in the decryption algorithms and build a suitability analysis to check the applicability of Aryabhata Remainder Theorem(ART) in place of Chinese Remainder Theorem(CRT). RPrime RSA is the fastest known variant of modified RSA cryptosystems with no known security attacks or threats. RPrime uses Chinese Remainder Theorem for solving congruence equations in the decryption stage, which requires more modulo inverse operations. The decryption speed can be improved by reducing the number of modulo inverse operations required to solve the congruence. Aryabhata Remainder Theorem takes only one modulo inverse operation to solve two congruence relations. When compared with Chinese Remainder Theorem, ART requires lesser modulo inverses. In this article, we have replaced RPrime's CRT with Aryabhata Remainder Theorem. Performance of our new model is tested with larger modulo such as 2048 and 4096.

Keywords: Aryabhata remainder theorem, Attacks, Chinese remainder theorem, RSA variants, Threat severity.

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**A NOTE ON SECOND ORDER ROTATABLE DESIGNS UNDER TRIDIAGONAL CORRELATED
STRUCTURE OF ERRORS USING BALANCED INCOMPLETE BLOCK DESIGNS**

Paper ID – 1094

A paper presented by: Rajyalakshmi K, Victorbabu B.

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Abstract

In this paper, an empirical study of second order rotatable designs under tri-diagonal correlated structure of errors using balanced incomplete block designs is suggested. Further the variance function of the estimated response for tri-diagonal correlated coefficient (ρ) and distance from centre (d) is studied. It is shown that this method sometimes leads to designs with less number of design points in some cases.

Keywords: BIBD, Incidence matrix, Second order rotatable designs, Tri-diagonal correlated errors.

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**EXISTENCE OF Ψ -BOUNDED SOLUTIONS FOR SYLVESTER MATRIX DYNAMICAL SYSTEMS
ON TIME SCALES**

Paper ID – 1095

A paper presented by: Appa Rao B.V, Prasad K.A.S.N.V

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Dr.M.R. Appa Rao Campus, Department of Applied Mathematics, Krishna University, Krishna dt., Nuzvid,
A.P., India.

Abstract

In this paper, we study the existence criteria for Ψ -bounded solutions of Sylvester matrix dynamical systems on time scales. The advantage of studying this system is it unifies continuous and discrete systems. First, we prove a necessary and sufficient condition for the existence of atleast one Ψ -bounded solution for Sylvester matrix dynamical systems on time scales, for every Lebesgue Ψ -delta integrable function F , on time scale $T + \cdot$. Further, we obtain a result relating to asymptotic behavior of Ψ -bounded solutions of this equation. The results are illustrated with suitable examples.

Keywords: Fundamental matrix, Lebesgue Ψ -delta integrable, Sylvester matrix dynamical systems, Time scales, Ψ -bounded solutions.

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**CHEMICAL REACTION EFFECT ON MHD FLOW OF CASSON FLUID WITH POROUS
STRETCHING SHEET**

Paper ID – 1096

A paper presented by: Krishna Y.H, Reddy G.V.R, Makinde O.D.

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Dr.M.R. Appa Rao Campus, Department of Applied Mathematics, Krishna University, Krishna dt., Nuzvid,
A.P., India.

Abstract

In this analysis, the magnetohydrodynamic flow of a Casson fluid over a permeable stretching sheet in the presence of mass transfer is studied. Using similarity transformations, the governing equations are converted to ordinary differential equations and then solved through MATHEMATICA. The skin friction coefficient and local Sherwood number are analyzed through numerical values for various parameters of interest. The velocity and concentration profiles are illustrated for several pertinent flow parameters. We observed that the Casson parameter and Hartman number have similar effects on the velocity in a qualitative sense. We further analyzed that the concentration profile decreases rapidly in comparison to the fluid velocity when we increased the values of the suction parameter.

Keywords: Casson fluid, Chemical reaction, Mass transfer, Mhd, Skin-friction.

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**TIME DELAY MODEL FOR A PREDATOR AND TWO SPECIES WITH MUTUALISM
INTERACTION**

Paper ID – 1097

A paper presented by: Suresh Kumar Y, Seshagiri Rao N, Appa Rao B.V.

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Abstract

The present paper focus on to know the dynamical behavior of a three species system made up of a predator together with mutualism interaction between two species in the limited resources, whereas the predator is depending on both the mutual species. In this model the time delay is proposed to the predator and the first mutual species to recognize the sustainability of the system in long run. Local asymptotic stability of diverse existing positive equilibrium solutions is investigated to understand the dynamics of the system. Further the global stability is established using appropriate Lyapunov functional at positive interior equilibrium solution. Finally numerical simulation is execute to examine the delay impact that can lead to transformation from stable to unstable or unstable to stable culminate hopf bifurcation.

Keywords: Asymptotic stability, Global stability, Hopf bifurcation, Laypunov function, Mutualism, Predator.

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**NON-UNIFORM HEAT SOURCE/SINK AND JOULE HEATING EFFECTS ON CHEMICALLY
RADIATIVE MHD MIXED CONVECTIVE FLOW OF MICROPOLAR FLUID OVER A
STRETCHING SHEET IN POROUS MEDIUM**

Paper ID – 1098

**A paper presented by: Charan Kumar, G., Jayarami Reddy, K. Ramakrishna, K. Narendradh Reddy, M
Department of Mathematics, Koneru Lakshmaiah Educational Foundation, Vaddeswaram, Guntur, AP, 522502,
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Abstract

This article describes the effects of Joule heating and chemical reaction on unsteady MHD mixed convective micropolar fluid over a stretching sheet in presence of radiation, nonuniform heat source and porous medium. The arising non-linear coupled partial differential equations are reduced to a set of coupled non-linear ordinary differential equations and then solved numerically by using the Runge- Kutta-Fehlberg fourth-fifth order method along shooting technique. The graphical and tabular results elucidate the influence of different non-dimensional governing parameters on the velocity, temperature and concentration fields along with the wall friction, local Nusselt and Sherwood numbers. We found the dual nature of the solutions for suction and injection cases. A good agreement of the present results has been observed by comparing with the existing literature results.

Keywords: Joule Heating, MHD flows, Non-uniform heat source/sink, Porous medium, Suction/injection.

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NABLA INTEGRAL FOR FUZZY FUNCTIONS ON TIME SCALES

Paper ID – 1099

A paper presented by: Leelavathi R, Suresh Kumar G, Murty M.S.N

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522502, India.

Opp. State Bank of India, D. No. 21-47, Sainivas, Bank Street, Nuzvid, Andhra Pradesh, India.

Abstract

In this paper, we define fuzzy nabla integrals for fuzzy functions on time scales and obtain some of its fundamental properties and also we establish the relationship between nabla differentiation and integration.

Keywords: Fuzzy differentials and integrals, Hukuhara nabla derivative, Hukuhara nabla integral, Time scales.

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**NUMERICAL INVESTIGATION OF CHEMICAL REACTION AND HEAT SOURCE ON
RADIATING MHD STAGNATION POINT FLOW OF CARREAU NANOFLUID WITH
SUCTION/INJECTION**

Paper ID – 1100

A paper presented by: Jayarami Reddy K, Madhusudhana Reddy N.P, Konijeti R.K, Abhishek D

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Abstract

This research work is focused on the effects of combined heat and mass transfer on MHD stagnation point flow of Carreau nanofluid embedded in porous medium with heat source. Thermal radiation and chemical reaction are also taken into account. The governing non-linear PDEs are transformed into a set of non-linear coupled ODEs which are then solved numerically by using the Runge- Kutta-Fehlberg fourth-fifth order method along shooting technique. The graphical and tabular results elucidate the influence of different non-dimensional governing parameters on the velocity, temperature and concentration fields along with the wall friction, local Nusselt and Sherwood numbers. We found the dual nature of the solutions for suction and injection cases. A good agreement of the present results has been observed by comparing with the existing literature results.

Keywords: Carreau nanofluids, Chemical reaction, Heat source, Suction/injection, Thermal radiation

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**SORET AND RADIATION EFFECTS ON AN UNSTEADY FLOW OF A CASSON FLUID THROUGH
POROUS VERTICAL CHANNEL WITH EXPANSION AND CONTRACTION**

Paper ID – 1101

A paper presented by: Vijaya N, Hari Krishna Y, Reddy G.V.R, Kalyani K

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Abstract

T

The present paper deals with the thermo physical properties of a Casson fluid through an oscillating vertical wall embedded through porous medium under the influence transverse magnetic field, radiation, constant heat source and first order chemical reaction. The radiative heat loss is modelled by using Rosseland approximation. Similarity variables were used to convert the partial differential equations into ordinary differential equation. The transformed ordinary differential equations are solved numerically using Runge-Kutta-Fehlberg method with shooting technique. In order to get perfect perception of the flow pattern we obtain the graphs of axial velocity, temperature and concentrations profiles for various governing parameters viz. Casson parameter, Wall dilation ratio, Reynolds number, Grashoff numbers, Magnetic field parameter, Porous parameter, Radiation parameter, Prandtl number, Heat source parameter, Schmidt's number, Soret number, Chemical reaction parameter. Influence of Skin friction coefficient, Nusselt number, and Sherwood number on both walls are discussed and presented through tabular form.

Keywords: Casson fluid, Expanding and contracting, parameter, Schmidt's number, Soret number, Vertical porous channel, Wall dilation Ratio.

FORECASTING OF SILVER PRICES USING ARTIFICIAL NEURAL NETWORKS

Paper ID – 1102

A paper presented by: Sharma M.R, Reddy N.K.

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Abstract

Statistical Modelling of non stationary – non linear statistic has become an enormous challenge altogether field of research project. A number of popularly used models square measure ARIMA and ANN. This text presents a comparison of Artificial Neural Network (ANN) and Box-Jenkins methodology for predicting a true system of silver worth in Bharat. The most important objective of this analysis is to develop a foretelling model to predict silver costs in Bharat with high accuracy. During this paper, a statistic foretelling model victimization Box-Jenkins methodology and Artificial Neural Networks was developed for foretelling of the daily silver costs in Bharat. The foretelling performance of the model was evaluated victimization Root mean squared Error (RMSE), Mean Absolute percent Error (MAPE). The daily forecasts counsel that, the costs fluctuate quantity 39,673/-with a regular deviation of Rs.488.17.

Keywords: ANN and MAPE, ARIMA, Box-jenkins methodology, Silver prices.

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**GENERATING RELATIONS OF TWO VARIABLE GENERALIZED HYPERGEOMETRIC
POLYNOMIAL IN(A;B;X, Y) BY LIE GROUP-THEORETIC METHOD**

Paper ID – 1103

A paper presented by: Kameswari P.L.R, Bhagavan V.S.

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Government Polytechnic, Tilaknagar, Nellore Dt., A.P., India.

Abstract

In this paper, an attempt has been made to obtain the generating relations for the hypergeometric polynomial set $R_n(\beta; \gamma; X, Y)$ by the Weisner's method. To be exact, the condition for a given set of functions to have generating relations by Weisner's method is that it must have ascending and descending recurrence relations. From these recurrence relations the raising and lowering first order linear differential operators derived, which generate a 3-dimensional Lie algebra. Moreover, these operators have also been used to obtain the extended form of the group generated by raising and lowering operators. In the entire investigation, a set of six generating relations have been obtained for the polynomial set $R_n(\beta; \gamma; X, Y)$ and followed by its applications.

Keywords: Chebyshev polynomials, Generating relations, Special functions.

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**ANALYSIS OF BATCH ARRIVAL TWO-PHASE MX/M/1 QUEUEING SYSTEM WITH IMPATIENT
CUSTOMERS AND UNRELIABLE SERVER**

Paper ID – 1104

A paper presented by: Hanumantha Rao S, Vasanta Kumar V, Srinivasa Rao T, Srinivasa Kumar B
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Abstract

The present study focusses on a two-phase MX/M/1 queueing system with two phases of services. All waiting customers are served in batches in the first phase and individual service is offered to them in second phase of service. In this study the customer balking and renegeing would also be considered. The unexpected server breakdowns in queueing system in either phase of service and delays in repair are also addressed in this study. The probability generating function is employed to derive expressions for the expected system sizes in different states of the server in closed forms. Numerical illustrations are provided on different system parameters.

Keywords: Balking, Batches, Reneging, Two-phase, Unreliable server.

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**REPRESENTATION OF FIVE DIMENSIONAL ALGEBRA AND GENERATING RELATIONS FOR
HYPERGEOMETRIC POLYNOMIALS OF TWO VARIABLES BY WEISNER METHOD**

Paper ID – 1105

A paper presented by: Srinivasulu T, Bhagavan V.S.

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Abstract

This paper is an attempt to derive the generating functions for the generalized hypergeometric polynomial set $R_n(\beta; \gamma; x, y)$, utilizing the Weisner's method by constructing a five dimensional algebra, by giving suitable interpretation to various parameters and index simultaneously. These generating functions, in turn yield, as special cases, a number of linear generating functions to various important classical orthogonal polynomials of statistics and mathematical physics. Many known and some unknown results in the theory of special functions are obtained as special cases.

Keywords: Generalized, hypergeometric functions, Generating functions, Special functions.

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USE OF Γ (GAMMA)-SOFT SET IN APPLICATION OF DECISION MAKING PROBLEM

Paper ID – 1106

A paper presented by: Srinivasa Rao T, Srinivasa Kumar B, Hanumanth Rao S.

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Abstract

Molodtsov's soft set theory has been considered an efficient Mathematical tool to conduct along uncertainties. In our regular life, we frequently face some real problems which need right decision making to get the best solution for these problems. Therefore, it is necessary to consider various parameters related to the best solution. In this paper, we applied Γ (Gamma)-Soft set theory in decision making problems.

Keywords: Choice value, Fuzzy soft set, Fuzzy Γ (Gamma)- soft set, Reduct set, Γ (Gamma)- Soft set.

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APPLICATIONS OF THREE LAYER CNN IN IMAGE PROCESSING

Paper ID – 1107

A paper presented by: Patro P, Kumar K, Suresh Kumar G

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Department of Mathematics, K.L. University, Vaddeswaram, Guntur, Andhra Pradesh, India.

Abstract

In this paper, we present how different layers of CNN are applied for the edge detection and Image recognition and a new layer arrangement of CNN is introduced. The various types of image processing functions like Hole Filling, Detection of corners were analyzed by the process of thresholds and cloning templates. A new layer agreement method is used in image processing and gray scale images which outputs the effectiveness of the proposed three layers CNN.

Keywords: CNN, Edge detection, Image processing, Pattern recognition.

FUZZY FIXED POINT RESULTS FOR Φ CONTRACTIVE MAPPING WITH APPLICATIONS

Paper ID – 1108

A paper presented by: Humaira, Sarwar M, Kishore G.N.V.

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Department of Mathematics, K. L. E. F., Vaddeswaram, Guntur, Andhra Pradesh 522 502, India.

Abstract

In this paper, using rational type contractions, common fuzzy fixed point result for Φ contractive mappings involving control functions as coefficients of contractions in the setting of complex-valued metric space is established. The derived results generalizes some result in the existing literature. To show the validity of the derived results an appropriate example and applications are also discussed.

Keywords: Fixed point fuzzy metric space, F_z , F , φ -contractive mapping φ -fixed point.

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**A STUDY ON THE EFFECT OF PERISTALSIS AND CILIA OF MHD MICROPOLAR FLUID FLOW
THROUGH AN INCLINED POROUS CHANNEL**

Paper ID – 1109

A paper presented by: Krishna Kumari P.S.V.H.N, Saroj Vernekar D, Ravi Kumar Y.V.K, Reddy G.V.R

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522502, India.

Abstract

The study of the influence of magnetic field, channel inclination, porous medium and cilia on the Micropolar fluid under different boundary conditions is carried out. The methods of solving Navier Stokes equation specific to Micropolar fluid under the joint influence of these effects are presented. The profiles of velocity (along the flow direction), the micro rotation vector and the variation of pressure rise with time average flow rate for fixed values of other parameters were carried out and the results are discussed.

Keywords: Cilia, Magnetic field, Micropolar fluid, Peristalsis, Porous medium.

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**THERMAL DIFFUSION AND RADIATION EFFECT ON UNSTEADY
MAGNETOHYDRODYNAMIC FREE-CONVECTION FLOW PAST AN IMPULSIVELY MOVING
PLATE WITH RAMPED WALL TEMPERATURE AND RAMPED WALL CONCENTRATION**

Paper ID – 1110

A paper presented by: Chandra Sekhar Reddy, Raju M.C, Jayarami Reddy K, Reddy M.S.N.

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Department of Humanities and Sciences (Mathematics), AITS Rajampet, A.P., India.

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Department of Mathematics, JNTUA College of Engineering, Pulivendula, A.P., India.

Abstract:

In this article, we have investigated analytically the influence of thermal diffusion and radiation on unsteady magnetohydrodynamic, free-convective flow of an electrically conducting, viscous incompressible fluid past an impulsively moving isothermal porous plate and for the case of ramped wall temperature and ramped wall concentration. The nondimensional governing equations are solved in closed form by using Laplace transform method. Exact solutions for velocity, temperature, and concentration are obtained. With the aid of these expressions, skin friction, Nusselt number, and Sherwood number are derived. The effects of various physical parameters on the above flow equations are studied numerically with the help of graphs and tables.

Keywords: Free convection, Isothermal plate, MHD Radiation, Ramped wall concentration, Ramped wall temperature, Thermal diffusion.

**ECCENTRIC CONNECTIVITY INDEX AND CONNECTIVE ECCENTRIC INDEX W.R.T. DETOUR
D-DISTANCE**

Paper ID – 1111

A paper presented by: Venkateswara Rao V, Varma P.L.N, Reddy Babu D

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Division of Mathematics, Department of S&H, Vignan's Foundation for Science, Technology and Research,
Guntur, Vadlamudi, 522 207, India.

Abstract

In this paper, we consider the eccentricity connectivity index and connective eccentric index using the detour D-distance. Among other results, we obtain some results like relation between average detour D-distance and detour D-eccentric connectivity index, detour D-eccentricity connective index and detour D-connective index. We also calculate these indices of some classes of graphs.

Keywords: D-connective eccentric index and detour D-average distance, Detour D-eccentricity connectivity index.

**HYDROMAGNETIC-OSCILLATORY FLOW OF A NANOFLUID WITH HALL EFFECT AND
THERMAL RADIATION PAST VERTICAL PLATE IN A ROTATING POROUS MEDIUM**

Paper ID – 1112

A paper presented by: Gandluru S, Prasada Rao D.R.V, Makinde O.D, Reddy G.V.R

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Faculty of Military Science, Stellenbosch University, Matieland, South Africa.

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Abstract

The purpose of this paper is to investigate the impact of thermal radiation interaction with Hall current, buoyancy force, and oscillatory surface temperature on hydromagnetic-mixed convective heat exchange stream of an electrically conducting nanofluid past a moving permeable plate in a porous medium within a rotating system. Design/methodology/approach: Analytical closed-form solutions are obtained for both the momentum and the energy equations using the perturbation method. Findings: The effects of various important parameters on velocity and temperature fields within the boundary layer are discussed for three different water-based nanofluids containing copper (Cu), aluminum oxide (Al₂O₃), and titanium dioxide (TiO₂) as nanoparticles. Local skin friction and Nusselt number are illustrated graphically and discussed quantitatively. The results show that Hall current significantly affects the flow system. Results for some special cases of the present analysis are in good agreement with the existing literature. Originality/value: The problem is relatively original to study the hydromagnetic-oscillatory flow of a nanofluid with Hall effect and thermal radiation past a vertical plate in a rotating porous medium.

Keywords: Hall effect, Heat transfer, Nanofluid, Thermal radiation, Unsteady flow Vertical.

**MHD BOUNDARY LAYER FLOW AND HEAT TRANSFER OF A NANOFUID PAST A
RADIATIVE AND IMPULSIVE VERTICAL PLATE**

Paper ID – 1113

A paper presented by: Dharmaiah G, Vedavathi N, Rani C.B, Balamurugan K.S.

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Abstract

The time-dependent flow past an impulsively started vertical infinite plate in a viscous electrically conducting natural convective incompressible Nano-fluid is considered in this article by taking into account the effects of heat absorption, heat generation and radiation. An analytical study is performed to obtain exact solutions for water-based Nano-fluid TiO₂. The dimensionless governing equations for this investigation are solved analytically by using the small perturbation Technique. The effects of various physical parameters on velocity, temperature fields are presented graphically. With the aid of these, the expression for the skin-friction and Nusselt number profiles was done with the help of tables.

Keywords: Heat transfer, Impulsive plate, MHD, Nano-fluid.

ON THE CONTROLLABILITY OF FUZZY DIFFERENCE CONTROL SYSTEMS

Paper ID – 1114

A paper presented by: Rao, T. S, Suresh Kumar, G, Vasavi, Ch, Rao, B.V.A.

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Abstract

In this paper, we study the fuzzy logic system from the aspect of fuzzy difference equations. One of its features, controllability was studied. We obtain sufficient condition for the existence of a fuzzy control which transfers the system from initial state to a desired state in a finite time.

Keywords: Controllability, Fuzzy Dynamical Difference System, alpha-Level Sets.

APPLICATION OF FUZZY DIFFERENTIAL EQUATIONS FOR COOLING PROBLEMS

Paper ID – 1115

A paper presented by: Vasavi, C.H, Suresh Kumar, G, Rao, T.S, Appa Rao, B.V.

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Abstract

In this paper, we interpret the principle of Newton's law of cooling in different versions of first order linear fuzzy differential equations using variation of constants formula under strongly generalized differentiability and obtain the solutions in different interpretations. Under this interpretation, the behavior of these solutions reflects better results in real world problems.

Keywords: Fuzzy Differential Equations, Generalized Differentiability, Newton's Law of Cooling.

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**AN ANALITICAL STUDY FOR EVALUATION OF FACTORS INFLUENCING THE CUSTOMERS
TO UTILIZATION OF E-COMMERCE SITES**

Paper ID – 1116

A paper presented by: Rajyalakshmi, K, Kumar, D.P, Asadi, S.S.

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Abstract

Digital marketing includes those marketing efforts that send a message from a source (company) to a receiver (customer) through digital platforms and the internet. Technology is opening up a world of possibilities previously unavailable to both marketers and consumers. Also, options and reach are hugely enhanced by international e-commerce. Electronic commerce, commonly written as e-commerce, is the trading or facilitation of trading in products or services using computer networks, such as the Internet. Electronic commerce draws on technologies such as mobile commerce, electronic funds transfer, supply chain management, Internet marketing, online transaction processing, electronic data interchange (EDI), inventory management systems, and automated data collection systems. Modern electronic commerce typically uses the World Wide Web for at least one part of the transaction's life cycle, although it may also use other technologies such as e-mail. This study is to find the promotional activities and factors influence customer to E-Commerce sites. The sample size is of 120 respondents and simple random sampling method was used to data collection by using a self-administered questionnaire that was distributed through Google forms to respondents and sending mails to consumers through their past experience of purchasing in E-Commerce sites.

Keywords: Digital marketing, E-commerce, Electronic data interchange.

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REALIZABILITY OF MATRIX RICCATI TYPE DYNAMICAL SYSTEMS ON TIME SCALES

Paper ID – 1117

A paper presented by: Sobhanbabu, Y, Appa Rao, B.V, Srinivasa Rao, T, Prasad, K.A.S.N.V.
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Dr M.R Appa rao Campus, Krishna University, Dept. of Applied mathematics, Nuzvid, India.

Abstract

In this paper, we obtain the concept of realizability and minimum realizability criteria for the first order matrix dynamical system with zero initial state on time scales.

Keywords: Dynamical system, Fundamental matrix, Realizability, Time scales.

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ADDAPTIVE CONTROL AND REALIZABILITY ON NABLA SETTINGS

Paper ID – 1118

A paper presented by: Sobhanbabu, Y, Rao, B.V.A, Rao, T.S, Prasad, K.A.S.N.V.

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Appa rao Campus, Krishna University, Dept.of Applied mathematics, Nuzvid, India.

Abstract

In this paper, we begin by reviewing definitions, theorems for nabla dynamical equations and obtain solution for the nabla dynamical system. Also we develop the concept of realizability and minimum realizability criteria for the first order matrix dynamical system with zero initial state on nabla time scale calculus.

Keywords: Dynamical system, Nabla time scales, Realizability, Transition matrix.

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**APPLICATIONS AND COMMON COUPLED FIXED POINT RESULTS IN ORDERED PARTIAL
METRIC SPACES**

Paper ID – 1119

A paper presented by: Rao, K, Kishore, G.N.V, Tas, K, Satyanaraya, S, Ram Prasad, D.

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Abstract

In this paper, we obtain a unique common coupled fixed point theorem by using (ψ, α, β) -contraction in ordered partial metric spaces. We give an application to integral equations as well as homotopy theory. Also we furnish an example which supports our theorem.

Keywords: Coupled fixed point, homotopy theory, mixed g-monotone property, partial metric, w-compatible maps, ψ - α - β contraction.

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**DESIGNEE OF WATER HARVESTING STRUCTURES FOR WATER RESOURCES
MANAGEMENT: A MODEL STUDY FROM CHELILA WATERSHED, BHUTAN**

Paper ID – 1120

A paper presented by: Asadi, S.S, Kumar, N.V, Rajyalakshmi, K, Kumar, M.S.

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Department of Mathematics, KL University, Vaddeswaram, Guntur (D.t.), A.P., India.

Department of Civil Engineering, Kallam Haranadha Reddy Institute of Technology, Guntur (D.t.), A.P., India.

Abstract

Woochu water shed area is located at the slope ranging from gentle slope to very steep slope where there is no potential of exploring ground water. Due to the mountainous and steep terrain of the country, most of the rainfall immediately flows as surface runoff despite the significant vegetation cover and adequate annual rain fall. While water resources are seemingly abundant with the stream flowing through the middle of the catchment area, there have come signs of water scarcity as more people put increasing pressure on the scarce and erratic waters for irrigation and drinking purposes. A significant portion of the agricultural lands depend on the seasonal rainfall due to there is no proper conservation of runoff during seasonal. And more over this area being located in the hills, the stream flowing in deep gorges joining with main river 'PA CHHU' is out of reach and the lack of flat terrain also limits the utilization of water for irrigation. In this connection by adopting Remote Sensing Technologies and GIS tools The study area is Woochu, Paro District, Bhutan laying between Longitude: 89°20' to 89°26'E Latitude: 27°21'30" to 27°24'30" N covering the Survey of Bhutan Toposheet no 78E/7 with scale 1:50000 and Multi-Spectral imageries from Land sat 7 (TM), RADAR (SRTM) data and IRS-1D, LISS-III geocoded Satellite data are acquired as primary and secondary data for analysis. Interpretation techniques are used to identify the drainage and preparation of different thematic maps by applying both pre-interpretation, ground truth and post visual interpretation technique. The interpreted maps Topology is created by linking the spatial data file and attribute data file identified suitable water harvesting structures connection sites and prepared designees for water resources management to meet the feature requirements.

Keywords: Designee of structures, Geographical Information System (GIS), Remote sensing, Thematic maps, Water harvesting structures.

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ANALYSIS OF MOBILE TECHNOLOGY SWITCHING BEHAVIOR OF CONSUMER USING CHI-SQUARE TECHNIQUE: A MODEL STUDY FROM HYDERABAD

Paper ID – 1121

A paper presented by: Kumar, D.P, Rajyalakshmi, K, Asadi, S.S.
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Department of Civil Engineering, K L University, Vaddeswaram, A.P., India.

Abstract

Even though the entry of mobile in India is late by decades, the growth of the sector is at a very rapid space when compared to rest of the world. After the demonetization drive of the MODI Government more and more people are evincing interest in using internet on mobile phones to make financial transactions as well as indulge in social networking. The availability of various APP's on smart phones and incentives like discounts and cash backs on using them is steadily adding steam to mobile penetration that too at a pace unimaginable before. After the introduction of Mobile number portability (MNP) in India in 2011, telecom subscriber started switching between mobile networks for their own reasons. Consumer switching Behavior (CSB) can be termed as the loyalty that consumers initially show and are shift this to other providers for the same service due to problems they encounter with the current providers. Mobile subscribers switch networks due to factors like Service quality, Value Added Services (VAS), Service provided through Helpdesk, Call Drops, and Network coverage of the operator in general and in their area in particular. In this study we tried to determine the relative impact of various factors influencing the subscribers to switch mobile network service providers.

Keywords: Advertisement, Mobile brand, Mobile network, Network coverage, Service provider, Value added services.

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**IS 'WRITING' MORE COMPLEX THAN THE OTHER THREE COMMUNICATION SKILL SETS-
LISTENING, SPEAKING AND READING?**

Paper ID – 1122

A paper presented by:Dr.K.V.Divya,
Dept., of English,Associate Professor,KL Deemed to be University, Vaddeswaram.

Abstract

This paper explores the complex nuances of writing and the other communication skill sets. Being able to communicate effectively is perhaps the most important of all life skills. It is what enables us to pass information to other people, and to understand what is said to us. One does not become a well-rounded speaker of a language without building upon the four foundations of language learning. **Writing** is one of the language skills, which is complex to address as not all natural spoken languages have a writing system. Once this skill is mastered the communication is well rounded.

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SOCIAL RESPONSIBILITIES OF A RESEARCHER WHEN BRINGING OUT A PAPER

Paper ID – 1123

A paper presented by:Dr.K.V.Divya,
Dept., of English,Associate Professor,KL Deemed to be University, Vaddeswaram.

Abstract

How to 'revalue' value-neutrality in the different domains of research? That is the main question of this paper. It investigates different views on social responsibility in research, and argues that the 'neutrality view' – the view that researchers have no business with the social and ethical dimensions of their work – has become untenable, at least as far as certain domains of research are concerned such as sciences. This paper adopts a broader view, one in which the social responsibility of researchers includes the moral responsibility to critically reflect on the socio-ethical context of their work. This normative viewpoint itself is not uncommon: the argument that researchers should integrate broader ethical and societal considerations in their research has been put forward by philosophers and sociologists of science as well as by 'concerned scientists' at various moments in history. But how can such a broadened conception of social responsibility be realised in practice? That is the question this paper aims to address. Three empirical interventions have, each in different ways, examined opportunities and constraints for encouraging a broadened vision of social responsibility at the level of research practice.

**EXPECTED SCHOLARLY THOROUGHNESS OF A RESEARCH SCHOLAR ON THE RESEARCH
SUBJECT**

Paper ID – 1124

A paper presented by:Dr.K.V.Divya,
Dept., of English,Associate Professor,KL Deemed tobe University, Vaddeswaram.

Abstract

This paper tries to highlight the originality of an idea or the content of a research paper. The absence of evidence is not evidence of absence. It is always possible that, even when recourse to the search of all accessible sources on a topic to see if something that you work is really original, a researcher have overlooked a previous work that has brought the same idea or content. Similarly, sometimes in languages that are totally unrelated or publications we do not know. However, this problem can be overcome to the extent to grow the online availability of research and access to content in various languages or with better machine searchers and translators.

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**CAUTION THAT SHOULD BE EXERCISED BY THE RESEARCHER TO REDUCE THE
POSSIBILITIES OF MISINTERPRETATION OF A RESEARCH WORK**

Paper ID – 1125

**A paper presented by:Dr.K.V.Divya,
Dept., of English,Associate Professor,KL Deemed to be University, Vaddeswaram.**

Abstract

Publication in peer-reviewed journals is an essential step in the scientific process. However, publication is not simply the reporting of facts arising from a straightforward analysis thereof. Authors have broad latitude when writing their reports and may be tempted to consciously or unconsciously “spin” their study findings. Spin has been defined as a specific intentional or unintentional reporting that fails to faithfully reflect the nature and range of findings and that could affect the impression the results produce in readers. This paper based on a literature review, reports the various practices of spin from misreporting by “beautification” of methods to misreporting by misinterpreting the results. It provides data on the prevalence of some forms of spin in specific fields and the possible effects of some types of spin on readers’ interpretation and research dissemination. The paper also discusses why researchers would spin their reports and possible ways to avoid it.

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'THOUGHT' AND 'EXPRESSION' IN THE WORLD OF COMMUNICATION

Paper ID – 1126

A paper presented by:Dr.K.V.Divya,
Dept., of English,Associate Professor,KL Deemed tobe University, Vaddeswaram.

Abstract

The right to freedom of thought and belief is one and the same right for all. No one anywhere should ever be forced into or out of a belief. This paper shows how there are good arguments and evidence to support the language as an instrument of thought hypothesis. The underlying mechanisms of language, comprising of expressions structured hierarchically and recursively, provide a perspective (in the form of a conceptual structure) on the world, for it is only via language that certain perspectives are available to us and to our thought processes. These mechanisms provide us with a uniquely human way of thinking and talking about the world that is different to the sort of thinking we share with other animals. If the primary function of language were communication then one would expect that the underlying mechanisms of language will be structured in a way that favours successful communication. This paper shows that not only is this not the case, but that the underlying mechanisms of language are in fact structured in a way to maximise communication efficiency, even if it means causing real-time problems. Moreover, this paper discusses evidence from comparative and developmental angle that supports the claim that language is an instrument of thought.

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ROLE OF 'SPELLING' AND 'PUNCTUATION' IN COMMUNICATION PROCESSES

Paper ID – 1127

A paper presented by:Dr.K.V.Divya,
Dept., of English,Associate Professor,KL Deemed to be University, Vaddeswaram.

Abstract

An interesting and perhaps unanticipated result of the growth in social media for marketing is an increased need for good writing skills. Blogs, drip marketing, opt-in electronic newsletters, and other “new media” require both useful content and good writing to attract and keep readers. The elements of good writing are simple: grammar, spelling, punctuation, and capitalization. By mastering the rules and conventions, we make our writing easier to understand and more enjoyable to your readers.

***Your grammar is a reflection of your image. Good or bad, you have made an impression. And like all impressions, you are in total control.* - Jeffrey Gitomer (American author & business trainer)**

If we want to excel as a communicator, we need the skills of verbal and non-verbal language, we also need to know the rules of grammar, punctuation, and spelling. Sometimes people in business overlook these requirements in favour of being "good with people" or "good on their feet" where such conventions don't matter. Unfortunately, when the time comes to put our thoughts into writing, it's a different matter. That's when people will judge us not just for our ideas, but for our competence in being able to put together words that are spelled correctly, sentences that are grammatically correct, and punctuation that makes sense.

RE-CRITIQUING JANE AUSTEN'S PRIDE AND PREJUDICE

Paper ID – 1128

A paper presented by:K. K. Sunalini

Associate Professor, K L Deemed to be University, Andhra Pradesh, India

Abstract

Jane Austen submitted the novel for publication between 1796 and 1797 with the title First Impressions. Later it was changed to Pride and Prejudice and published in 1813. Though unmarried, Austen gave the definition of marriage in Pride and Prejudice. She exemplifies arranged marriage, love marriage and eloped marriage but not a broken marriage. She is considered a sentimentalist rather than a romanticist as her themes are, sociological, realistic and universal in appeal. Though Pride and Prejudice was branded as a feminist novel in British Regency period, its contemporary relevance can be marked as a novel of gender sensitization. Women in the novel are not oppressed or suppressed instead their feelings and emotions are dealt with utmost care and concern by men. Austen signifies the importance of faith, love and understanding between men and women before they enter the institution of marriage. The present paper tries to critically approach both feminist and masculine perspectives juxtaposing the two genders in modern perspectives of gender sensitization.

keywords: Marriage, sociological, misunderstanding, feminist, masculine, universal, gender, sensitization.

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FLIPPING THE CLASSROOMS WITH TECHNOLOGY BASED TEACHING.

Paper ID – 1129

A paper presented by:K. K. Sunalini

Associate Professor, K L Deemed to be University, Andhra Pradesh, India

Abstract

Flipped classroom teaching is a modern approach employed by the teachers globally. It is teacher/learner-centered method with blended learning that overrides the traditional learning environment. The instructional content is shared with the students before the teacher lectures in the class. Students come to classroom with prior preparation to carry on the activities. Their participation leads to collaborative learning. Students form their groups to discuss the topic more in depth and later make presentations. Teachers provide video recordings, DVDs, audio video podcasts, web based links, You Tube clippings, and also provide stories, novels, case studies, news paper columns. Learners utilize the resources at their pace and place of learning. This creates a flexible and personalized learning environment. During class time, the Students discuss in pairs and make peer presentations which enhances their team skills. The teacher facilitates and responds to students' questions whenever they need guidance and feedback. Teacher's interaction with students in a flipped classroom is more personalized and less didactic, and students are actively involved in knowledge acquisition and construction as they participate and evaluate their learning. The present paper makes an attempt to analyze the application of flipped model pedagogy incorporated with collaborative learning.

Key words: Flipped classroom, blended learning, personalized learning, instructional content, collaborative learning.

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JAT CULTURE IN *BROTHERS OF MANJU KAPUR*.

Paper ID – 1130

A paper presented by: K. K. Sunalini

Associate Professor, K L Deemed to be University, Andhra Pradesh, India

Abstract

'Intersectionality' is a methodology of studying "the relationships among multiple dimensions and modalities of social relationships and subject formations-as itself a central category of analysis" (McCall 2005). It is based on how the different sociological categories like gender, race, and class interact on multiple dimensions mirroring the systematic social inequalities. The term was first coined by Kimberlé Williams Crenshaw in 1989. To her, "[...] intersection feminism examines the overlapping systems of oppression and discrimination that women are subject to face due to their ethnicity, sexuality and economic background" (Crenshaw, Wikipedia). Further, Patricia Hill Collins refers to the various intersections of social inequalities as the matrix of domination to exemplify the position of society which is made up of multiple standpoints rather than a single standpoint. *Zinn, Maxine Baca and Dill, Bonnie Thornton* as standpoint feminists argue that individuals either oppress or oppressed. This enables them to confront oppressive power structures. Manju Kapur characterizes her men and women with 'matrix of domination'. She implicitly portrays how the men and women try to possess one another emotionally and finally becomes the victims of fate and destiny. Marginalization, liberalization and victimization are the quintessential features of men and women in her novels. Though she is well argued as a feminist, she changes her stance partially and reflects how the brotherhood is carried for two generations with sacrifices, admirations which in turn shape the novel towards power struggle and finally honor killing. The present paper makes an attempt to observe how the novelist has reflected the predicaments of men and women in the changing trends of Jat culture.

Key words: Marginalization, Liberalization, Victimization, Existentialism, Stand point, Matrix of domination and Predicaments, Jat culture.

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NATION AND NATIONALISM IN SHASHI THAROOR'S THE GREAT INDIAN NOVEL.

Paper ID – 1131

A paper presented by:K. K. Sunalini

Associate Professor, K L Deemed to be University, Andhra Pradesh, India

Abstract

Shashi Tharoor's vision of Nation and Nationalism Homi K Bhabha has crystallized a new agenda for the concepts of a nation. According to him the idea of a nation has emerged from the political and literary traditions which has its roots in the myths. Benedict Anderson defines the concept of nation as the entity of imagination. Edward Said has focused on the colonial authority and the colonizer. 'Nation' as a concept has emerged in shaping the postcolonial discourse. Postcolonial writings define a nation in the perspectives of geographical, economical, political and cultural contours. Postcolonial literature configures this concept of a nation by incorporating the central roles of language and religion. Shashi Tharoor became an aspiring voice as he highlights the plurality and diversity of a nation in his fiction, speeches and social media. According to him "Many observers have been astonished by India's survival as a pluralist state [...] Pluralism is a reality that emerges from the very nature of the country; it is a choice made inevitable by India's geography and reaffirmed by its history"(Tharoor India 9). Tharoor's addressing the students of Jawaharlal Nehru University on 20th March, 2016 was supported by historical anecdotes and personal experiences referring to the importance of cultural tolerance and diversity. He asserted the youth to understand how minorities were treated with grace and honor in India and what makes the people around the world following different religions find India a safest place on the earth. According to him Indian nationalism is based on the ancient civilization which is a shared history and sustained by a pluralistic democracy. Tharoor also makes an interesting observation on the majority verses minority debate. The present paper intends to discuss the concept of nation and nationalism in the select novels of Shashi Tharoor against the post colonial background.

Key words: Literary traditions, aspiring voice, cultural tolerance, nationalism.

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**ENGLISH FOR SPECIFIC PURPOSES- A FOCUS ON PEDAGOGY AT UNDER GRADUATE
LEVEL.**

Paper ID – 1132

A paper presented by:K. K. Sunalini

Associate Professor, K L Deemed to be University, Andhra Pradesh, India

Abstract

The term ESP has come into vogue in the late 1960s with the convergence of many trends of language learning and teaching. The demand for ESP gained momentum immediately after the Second World War. As it is basically a language centered approach it concentrates on the principles of learning. To discuss the role of ESP in ELT, it focuses on designing innovative courses to suit the needs of the learners. In ESP, the course designing focuses on the selection of the topics for the syllabus, material compilation, methodology of teaching and finally assessment and evaluation. To the question what is ESP and why ESP, the answer is to meet the growing demands in Scientific, Technical and Economic horizons with the English language as an important tool of communication. It is highly essential to develop English courses for specific groups of learners around the world. ESP has different purposes like EST (English for Science and Technology), EBE (English for Business and Economics), ESS (English for the Social Sciences), EAP (English for Academic Purposes)and EOP (English for Occupational Purposes). Learners of ESP are more benefitted to meet their target situations. The pioneers of ESP succinctly observe that ESP is typical of a particular context to use. Linguists strongly view ESP as an approach but not as a product which encompasses the nature of language learning in the context based target situations where the need to operate is highly judged.Course designing of ESP involves Language Descriptions, The present paper makes an attempt to focus on the various aspects of ESP with a special attention on the history of its journey in the field of Linguistics.

Key words: English for Specific Purposes, language centered approach, innovative courses, target situation, register analysis, assessment and evaluation.

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DESIGNING A COURSE BASED ON NEEDS ANALYSIS

Paper ID – 1133

A paper presented by:K. K. Sunalini

Associate Professor, K L Deemed to be University, Andhra Pradesh, India

Abstract

Needs Analysis is the ability to comprehend the linguistic features of the target situation, for instance, what for is the language needed? Study/Work/training/status/examination/promotion and so on. The needs also vary according to the subjects like Medicine, Biology, Architecture, Shipping, Commerce and Engineering. Learning needs and target situation must be taken into account. Designing a course can be language centered, skills centered or learning centered. To the much concerns of the syllabus framing, it has to be kept in mind why the syllabus and on what criteria to be framed. Subsequently, the materials evaluation should be carried out. The designers have to visualize the methodology of implementation. Learning theory is all about the methodologies like Behaviorist, Cognitive and Affective. Language description can be stated as adopting classical or traditional grammar, structural grammar, transformational generative grammar, register analysis functional grammar and discourse analysis. The present paper makes an attempt to focus on the needs based analysis in language learning.

Key words: Theories of Learning, Needs Analysis. Generative grammar,

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THE PLACE OF ENGLISH IN INDIA

Paper ID – 1134

A paper presented by:Dr. Sabitha
Dept. of English,Professor, K L Deemed to be University, Andhra Pradesh, India

Abstract

The researcher focuses on the place of English in the pre-colonial, while colonisation and post-colonial times. She also discusses the different commissions which discussed the role of English in India. The English language has exercised a great influence over the past two centuries in shaping the political, social, economic, intellectual and cultural life of India. English is today the world language. Indians gained immensely by partaking of this great heritage through English language.

Keywords: colonial, post- colonial, English language, link language

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OBJECTIVES OF TEACHING OF ENGLISH IN INDIA

Paper ID – 1135

**A paper presented by: Dr. Sabitha,
Dept. of English, Professor, K L Deemed to be University, Andhra Pradesh, India**

Abstract

The presenter highlights the difference between the aims and objectives in teaching of English. As objectives are specific, the presenter expresses that they are appreciating the master pieces of literature, diachronic, synchronic, linguistic observations and finally the intellectual stimulation and pleasure. The language which is learnt has to be applied in the real-life scenario, besides appreciation of the content. Then, the objectives of teaching English language and literature can be accomplished. The objectives can be achieved through the outcomes of the learners.

Keywords: diachronic, synchronic, linguistic observations, appreciation, stimulation

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MOTHER TONGUE IN TEACHING OF ENGLISH

Paper ID – 1136

**A paper presented by:Dr. Sabitha,
Dept. of English,Professor, K L Deemed to be University, Andhra Pradesh, India**

Abstract

The use of mother-tongue in the English classrooms is a controversial topic. It produced more heat than light. Some experts criticised the use of mother-tongue in the classrooms, whereas some advocate its extensive use in teaching a foreign language. And there is third category who recommend that judicious use of mother-tongue. The paper presenter discusses the different activities to teach English language through mother-tongue and she also explains when to use mother-tongue in the classroom scenario.

Keywords: mother-tongue. English, activities, learning

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TEACHING READING COMPREHENSION

Paper ID – 1137

**A paper presented by:Dr. Sabitha,
Dept. of English,Professor, K L Deemed to be University, Andhra Pradesh, India**

Abstract

In any language, three major skills are identified as necessary for performing language functions satisfactorily. They are Speaking, Reading and Writing. While acquiring the mother tongue, a person usually encounters listening first; then he speaks, then he reads, and finally he writes. Thus Speaking, Reading and Writing are called three "language skills", if listening is considered as a prerequisite to speaking. In a language, Speaking is the primary skill; hence everyone who has the capacity to listen and speak masters the mother tongue. The skills of Reading and Writing are the concern of those who are literate. Hence the language experts say that Speaking is the primary skill and Writing is the secondary skill of a language and it is inferred that Reading is an imperative prerequisite to the major productive skill of Writing. Reading Comprehension is the desired prerequisite for learners to understand the content. The paper highlights how to learn the reading skills to comprehend the text.

Keywords: reading, comprehension, skills

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TEACHING OF ENGLISH AS A LIBRARY LANGUAGE

Paper ID – 1138

**A paper presented by: Dr. Sabitha,
Dept. of English, Professor, K L Deemed to be University, Andhra Pradesh, India**

Abstract

The researcher focuses on the place of English in the pre-colonial, while colonization and post-colonial times. She also discusses the different commissions which discussed the role of English in India. The English language has exercised a great influence over the past two centuries in shaping the political, social, economic, intellectual and cultural life of India. English is today the world language. Indians gained immensely by partaking of this great heritage through the English language.

Keywords: colonial, post- colonial, English language, link language

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OBJECTIVES OF TEACHING OF ENGLISH IN INDIA

Paper ID – 1139

**A paper presented by:Dr. Sabitha,
Dept. of English,Professor, K L Deemed to be University, Andhra Pradesh, India**

Abstract

The presenter highlights the difference between the aims and objectives of teaching English. As objectives are specific, the presenter expresses that they are appreciating the masterpieces of literature, diachronic, synchronic, linguistic observations and finally the intellectual stimulation and pleasure. The language which is learned has to be applied in the real-life scenario, besides appreciation of the content. Then, the objectives of teaching English language and literature can be accomplished. The objectives can be achieved through the outcomes of the learners.

Keywords: diachronic, synchronic, linguistic observations, appreciation, stimulation

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MOTHER TONGUE IN TEACHING OF ENGLISH

Paper ID – 1140

**A paper presented by:Dr. Sabitha,
Dept. of English,Professor, K L Deemed to be University, Andhra Pradesh, India**

Abstract

The use of mother-tongue in English classrooms is a controversial topic. It produced more heat than light. Some experts criticized the use of mother-tongue in the classrooms, whereas some advocate its extensive use in teaching a foreign language. And there is the third category who recommend that judicious use of mother-tongue. The paper presenter discusses the different activities to teach the English language through mother-tongue and she also explains when to use mother-tongue in the classroom scenario.

Keywords: mother-tongue. English, activities, learning

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TEACHING READING COMPREHENSION

Paper ID – 1141

**A paper presented by: Dr. Sabitha,
Dept. of English, Professor, K L Deemed to be University, Andhra Pradesh, India**

Abstract

In any language, three major skills are identified as necessary for performing language functions satisfactorily. They are Speaking, Reading and Writing. While acquiring the mother tongue, a person usually encounters listening first; then he speaks, then he reads, and finally, he writes. Thus Speaking, Reading and Writing are called three "language skills", if listening is considered as a prerequisite to speaking. In a language, Speaking is the primary skill; hence everyone who has the capacity to listen and speak masters the mother tongue. The skills of Reading and Writing are the concern of those who are literate. Hence the language experts say that Speaking is the primary skill and Writing is the secondary skill of a language and it is inferred that Reading is an imperative prerequisite to the major productive skill of Writing. Reading Comprehension is the desired prerequisite for learners to understand the content. The paper highlights how to learn the reading skills to comprehend the text.

Keywords: reading, comprehension, skills

THE TEACHING OF ENGLISH AS A LIBRARY LANGUAGE

Paper ID – 1142

**A paper presented by: Dr. Sabitha,
Dept. of English, Professor, K L Deemed to be University, Andhra Pradesh, India**

Abstract

English is a library language as most of the books are written in English. The presenter brings awareness among the graduates and postgraduates to visit libraries to have an extensive reading. But before visiting the libraries they have abreast with the Reading Skills in English language. The skills such as scanning, skimming, referencing, bibliography, cards preparation, citation cards, etc. They explore into a new world with knowledge in the English language.

Keywords: Scanning, skimming, referencing, bibliography, cards preparation, citations

TEACHING WRITING SKILLS

Paper ID – 1143

A paper presented by:Dr. Sabitha,
Dept. of English,Professor, K L Deemed to be University, Andhra Pradesh, India

Abstract

Writing is a productive skill just like Speaking. The ultimate goal of teaching is the learners of English must be able to use the learned language skill in their real-time scenario. To equip the students for this achievement level, the English teachers have to teach writing mechanics, and sub-skills of writing.

Keywords: grammar, sentences, structures, paragraph writing, essay writing, types of paragraphs

INTERVIEW : A NIGHTMARE TO GRADUATES-SKILLS TO FARE WELL

Paper ID – 1144

A paper presented by:Dr Raja Ambethkar,
Associate Professor of English, KLEF University, VADDESWARAM, Guntur District, A P.

Abstract

The long awaited day has finally come with the news asking to attend with all the required credentials on a stipulated time and date. Then started the real goose bums.....how...what...where....why....and what not. This is the order of the day to the majority of the graduates getting ready to face an interview. This research paper throws light on the skills required to fare well in the interview and at the same time clears some of the oft quoted questions on the monster-INTERVIEW, starting from interpersonal to intrapersonal.

At times the first impression need not necessarily be the best one, it can also be the worst. Even the smartest and most qualified job seekers need to prepare for their job interview. Why, you ask? Interview skills are learned, and there are no second chances to make a great first impression.

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**A STUDY OF SUICIDAL IDEATION IN RELATION TO DEPRESSION, COMMUNICATION
DISORDER AND ANXIETY AMONG VARIOUS COLLEGE STUDENTS IN VIJAYAWADA**

Paper ID – 1145

A paper presented by:Dr Raja Ambethkar,
Associate Professor of English, KLEF University, VADDESWARAM, Guntur District, A P.

Abstract

Suicide is considered to be the Second leading cause of death among young adults and teenagers. Depression holds its hand high as a major risk factor for suicide along with adverse life events, substance abuse and sexual abuse, family history, troubled relationships and struggling with several identities. American association of Suicidology (AAS) observed that, 4,822 youths, ages 15-24, died of suicide in 2011 in the United States.

Depression, anxiety, communication disorder and other mental health disorders are a significant public health problem on college campuses. Eisenberg (2007) reported that the general prevalence of depression and anxiety is 16% among undergraduate students and 13% among graduate students. Suicidal Ideation in Relation to Depression, Life Stress and Personality among College Students (2008), examined relationship of depression, life stress and personality with suicidal ideation among college students. Prevalence and Correlates of Depression, Anxiety, and Suicidology among University Students (2010), present study investigated the intrinsic and extrinsic factors that could evoke suicidal ideation among female college students. Relationship of Suicide Ideation with Depression and Hopelessness (2011), study was designed to examine the role of depression and hopelessness in suicide ideation. Prevalence of Depression and Suicidal Thoughts amongst University Students in Poznan, Poland, Preliminary Report (2012), evaluate the prevalence of depression and suicidal thoughts in first year university students in Poznan, Poland. A number of factors contribute to the initial presentation of depression during college. The transition itself from home to college places additional life stressors on young adults as they explore their identity, strive to master new skills, are away from established social support systems, and have increased time demands. The consequences of depression are significant. Depression has long been associated with academic impairment. Diagnosed depression was associated with a 0.49 decrease in student GPA, and treatment was associated with a 0.44 protective effect.

Depression may also lead to increased risk of self-injury, dropping out or failing college, attempting or committing suicide, and other risky behavior. Identification and referral to treatment earlier in the course of a depression may reduce the serious consequences of depression and prevent suicide.

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WE ALL MAKE THEM, MAKE NO MISTAKE ABOUT IT

Paper ID – 1146

A paper presented by:Dr Raja Ambethkar,
Associate Professor of English, KLEF University,VADDESWARAM, Guntur District, A P.

Abstract

From the times immemorial, as per research, India has the second highest number of English speaking population in the world. It is a second language for a vast majority of people. In a country where many regional languages are used, a lot of errors creep into the grammar and vocabulary of an average English speaker in India.

Writing and speaking in English as a non-native speaker has its own set of problems. Grammatical errors come in many forms and can easily confuse and obscure meaning. Some common errors are with prepositions most importantly, subject verb agreement, tenses, punctuation, spelling and other parts of speech.

The present research articles focuses on the errors at various levels- grammatical, lexical, phonological, collocational and discoursal errors with examples and the right usage.

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DIASPORA AND TRANSITIONAL IDENTITIES OF INDIAN WRITERS

Paper ID – 1147

**A paper presented by:Dr.K.B.Glory,
Asst.,Professor,Dept., of English, KL Deemed to be University,Vaddeswaram, A.P.**

Abstract

This paper will try to explain about the phenomenon of Diaspora political participation in their homelands through focusing on one aspect of Diaspora homeland political action: holding political leadership positions in the homeland. When are returned diasporas able to enter into political leadership in their homelands and how do they act as political leaders? Furthermore, does this hold across countries are the factors allowing returned Diaspora to become political leaders country specific? The word Diaspora is derived from Greek word "Diaspora" which means to distribute which means distribute to scatter. The term originally associated with Jewish historical experience but today the term has acquired a more expanded meaning and it refers to common ancestral homeland, voluntary or involuntary migration and a sense of marginality in the country of residence. This term cuts across various disciplines such as sociology, cultural studies, and political science etc. On the background of globalization, the term "Diaspora" raises the questions of acculturation, assimilation the loss of identity etc. Another important fact about Indian Diaspora is that in the last two decades an increasing number of third world writers have emigrated to the west . we can observe that some of these writers still feel alienated in their new countries and tend to write about people and events, which are typical of them.

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**AN ANALYTICAL INTERPRETATION OF CHARACTERS IN THE FILMIC REPRESENTATION
PRIDE AND PREJUDICE**

Paper ID – 1148

**A paper presented by:Dr.K.B.Glory,
Asst.,Professor,Dept., of English, KL Deemed to be University,Vaddeswaram, A.P.**

Abstract

Jane Austen is the most tranquil and transforming author of the nineteenth-century feminine novelist who intended to merge religion and literature. In her writings, Jane Austen canonized the materialistic and mortal human life with the integration of religious writings with the characters of her novels. The religious overview and outlook are cleverly concealed and coherently connected with the religion more in the characters in her most revered and recognized novel of all times Pride and Prejudice. Jane Austen's efforts in integrating religion and literature opened a new room for interpretation of the middle-class and women lives which are surrounded by the fluctuations of economy, emotions and relationships. As a feminine author who spent most of her life in a religious family of a pastor and in domestic duties, Jane Austen had a better understanding and awareness of the women's social struggle and the middle-class people's quest for status in the society. This research paper is an interpretative attempt in exploration of the holistic human perfection portrayed through the characters of Pride and Prejudice.

Key words: Intertextuality, Religion, Seven Deadly sins, Interpretation, Relationship

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A TALE OF BLACK COMMUNITY AND WOMEN SUBJECTIVITY IN TONI M

Paper ID – 1149

A paper presented by: Dr.K.B.Glory
Asst.,Professor,Dept., of English, KL Deemed to be University,Vaddeswaram, A.P.

Abstract

The Bluest Eye was not an immediate literary thunderbolt but it unearths that racism is hazardous to the self-image of the African society in general and the black female in particular. The novel tells the pricking story of Pecola who comes from a poor family detached from the mainstream of life of a community. The breed loves to cultivate hatred against themselves, their unworthiness into ugliness. The entire family suffers from suffocation and ugliness. No doubt, woman as a creature is the precious creation of almighty. It is realised that the body of woman is one of the essential elements in her situation in the world, but the body is not enough to define her as a woman. In American context, the concept of blackness has been held as an unfavourable connotation in the popular mind. There are numerous phrases and proverbs designed by the people with nefarious intention like 'black is evil', 'black as sin', 'black as the devil', which reflect the emotional and aesthetic implications, the evil and ugliness of blackness have been presented and denoted like antithesis of the goodness and sanity of whiteness. It has almost acquired moral connotation. In order to establish the holy domination that "the black race was by nature incapable of freedom and marked out for slavery.

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SOCIO-CULTURAL ASPECTS IN AMITAV GHOSH'S SEA OF POPPIES

Paper ID – 1150

**A paper presented by:Dr.K.B.Glory,
Asst.,Professor,Dept., of English, KL Deemed to be University,Vaddeswaram, A.P.**

Abstract

The paper traces the socio-cultural scenario of nineteenth century India and the prevalent beliefs and practices of the people as presented in Amitav Ghosh's Sea of Poppies. The narrative is mainly dictated by two great events-the incidents leading to the first Opium War and the Golden Triangle Trade between India, China and Britain and the great migration of the peasants to the plantations in the British colonies. In presenting the history of opium trade and indentured labour in nineteenth century India under colonial rule, Ghosh has brought to light the social conditions of the period and also the status of women in a male dominated society. Women in ancient India were held in high respect. During the vedic period, they enjoyed equal status and rights with men. The practices of polygamy, purdha system, dowry and sati which came into being during the medieval period deteriorated the status of women in the society. The paper critiques the Indian traditional powers which were blatantly patriarchal, feudal and anti-feminist in nature.

c. Conversational: According to communication coach Ric Phillips, writing on the Evan Carmichael website, it is important to present your information in a conversational tone that invites interaction, rather than a confrontational tone that can cause an argument. Effective communication presents the information in a manner that is not emotional but instead professional. d. Clear: With a business communication, you sometimes get only one chance to make your point. If your information is misunderstood, you may not have the opportunity to correct it before it escalates into a problem. When you present your information, be sure to do so in a clear voice that allows every word to be understood. e. Considerate: When speaking to business associates or customers, always open the conversation to questions and clarifications. When you finish a statement, allow a moment for the other person to ask a question before you go on to your next part. When you answer a question, be sure the answer is understood before moving on in the conversation. f. Confidence: An air of confidence in your conversation helps add credibility to your information. Present your data with a clear and commanding tone that indicates that you know the subject you are speaking about and that the information being presented is valuable. g. Check: Always check your data and facts before giving a business presentation of any kind. You may have useful ideas, but if they are accompanied by incorrect information, the power of your ideas is lost.

Key words: Concise, Complete, Conversational, Clear, Consideration, Confidence,

7 C'S OF EFFECTIVE BUSINESS COMMUNICATION

Paper ID – 1151

**A paper presented by:Dr.K.B.Glory,
Asst.,Professor,Dept., of English, KL Deemed to be University,Vaddeswaram, A.P.**

Abstract

Effective communication is an important part of business success. To establish good business communication, it helps to have a blueprint of the 7 C's of effective communication. You can use your list of communication "C" words to create efficient communication at all levels of your company, and to help make interactions with customers more effective as well. **a. Concise:** In business it pays to get to the point quickly. Effective business communication uses concise and straightforward language that gets the point across completely and in a manner that encourages efficient action. **b. Complete:** Plan your business communication carefully so you get all of the information to your recipient the first time. If you leave out important information in your initial correspondence, that will cause a series of problems that will take time to repair.

Conversational: According to communication coach Ric Phillips, writing on the Evan Carmichael website, it is important to present your information in a conversational tone that invites interaction, rather than a confrontational tone that can cause an argument. Effective communication presents the information in a manner that is not emotional but instead professional. **d. Clear:** With a business communication, you sometimes get only one chance to make your point. If your information is misunderstood, you may not have the opportunity to correct it before it escalates into a problem. When you present your information, be sure to do so in a clear voice that allows every word to be understood. **e. Considerate:** When speaking to business associates or customers, always open the conversation to questions and clarifications. When you finish a statement, allow a moment for the other person to ask a question before you go on to your next part. When you answer a question, be sure the answer is understood before moving on in the conversation. **f. Confidence:** An air of confidence in your conversation helps add credibility to your information. Present your data with a clear and commanding tone that indicates that you know the subject you are speaking about and that the information being presented is valuable. **g. Check:** Always check your data and facts before giving a business presentation of any kind. You may have useful ideas, but if they are accompanied by incorrect information, the power of your ideas is lost.

Key words: Concise, Complete, Conversational, Clear, Consideration, Confidence.

ATTITUDE OF LEARNERS TOWARDS TEACHING OF GRAMMAR AT THE TERTIARY LEVEL

Paper ID – 1152

**A paper presented by:Dr.K.B.Glory,
Asst.,Professor,Dept., of English, KL Deemed to be University,Vaddeswaram, A.P.**

Abstract

Teaching grammar both at school and college level is challenging. To make grammar classes interesting, teachers have to teach innovatively and creatively. In general, teachers rely on either implicit or explicit teaching of grammar. The communicative Approach which is very popular nowadays is in favour of the implicit teaching of grammar. Meanwhile it is necessary to explore what learners think about grammar and the manner of teaching grammar. In other words, a study on the attitude of learners towards the teaching of grammar will throw light on the expectations that are needed in teaching techniques that will ensure the effective teaching of grammar. Lambert (1973) defines attitude “as an organized and consistent manner of thinking, feeling, and reacting to people, groups, social issues or, more generally, to any event in the environment

Key words: (maximum 6): Attitude, Grammar, Techniques, Researcher, comprehensive knowledge

THE EFFECTS OF LANGUAGE DIVERSITY ON NATIONAL DEVELOPMENT

Paper ID – 1153

**A paper presented by:Dr.K.B.Glory,
Asst.,Professor,Dept., of English, KL Deemed to be University,Vaddeswaram, A.P.**

Abstract

This research work focuses on the Effect of Language Diversity on National Development. It adopts descriptive and comparative approaches in analyzing the nature of Language and the policy situation in Nigeria, considering in clear terms the complex ethno linguistics setting. Sequel to the look warm attitudes of both governments over the years, the research therefore evaluates the value of an effective language policy and implementation to the development of nations across the globe. On the foregoing, the research identifies the low level of technology and science development in Nigeria as a product of purposelessness approaches in language policy making and implementation. Nigerian languages ought to be central to national development and should occupy an important place in the development discourse. In line with these and many more, the study recommends that urgent attention and responsibilities ought to be given to language experts (linguists) in making language policies and possible implementation strategies for the country. This research further advocates for a national language system, however, calls for the adoption of respective indigenous languages for vocational training at their given speech communities. The Nigerian Pidgin English has the likely majority of speakers and need to be developed to the status of a national language alongside English. These positions can only be achieved if our central policy maker (government) is sincere with the reality on ground and avoid mere political interest and propaganda.

Key words: (maximum 6): comparative approaches Ethno linguistic, Language Policy, Implementation, indigenous languages, Pidgin

A CHALLENGE IN A MULTIFACETED LANGUAGE ACQUIRING ENVIRONMENT.

Paper ID – 1154

**A paper presented by: Dr.K.B.Glory,
Asst.,Professor,Dept., of English, KL Deemed to be University,Vaddeswaram, A.P.**

Abstract

Reading is an important aspect of language craftsmanship and second / foreign language teaching. Therefore, researchers and teachers have tried to explore ways to support it. Input reading and reading in reading and reading information (e.g., Chong, 2009) reading and capturing information (e.g., Manton and mayor, 2001) are usually two methods that can be used to support reading and reading learning. Our understanding of the effectiveness of these techniques mainly comes from studies using these study tests, which cannot indicate how learners deal with these different sources of information or how it relates to online processing comprehension levels. Additionally, learners have to explore the effectiveness of skills in the process of processing different resources. Current study uses the use of eye-tracking technology to help children and adult secondary language (L2) learners to investigate two multimodal reading conditions. It has been collected from first language readers for comparative purposes that participants read an illustrated text in two situations (read-only, reading-listening), and their eye movements were recorded. Then they wanted to complete the comprehension test. Results of the study, children and adult L2 learners spend more time reading text than processing images, regardless of reading mode. Study-time-listening in acoustic environments The existence of auditory input allows practitioners to spend more time on pictures, but observed processing differences between the two conditions do not seem to read comprehension.

Key words: (maximum 6): reading-only, reading-while-listening, processing differences, reading comprehension.

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PROBLEM SOLVING TECHNIQUES IN DESHPANDE'S NOVELS.

Paper ID – 1155

A paper presented by: Kumara Swamy
Assistant Professor, K L Deemed to be University, Andhra Pradesh, India

Abstract

ShashiDesh pande is the recent trend setter of the genre of the novel who introduced amicable solutions for the problems of the Indian women through her popular novels *That Long Silence*, *Dark Holds No Terrors*, *Roots and Shadows* etc. The protagonists of all these novels fight for their freedom within the boundaries of marriage. They alienated and travelled towards finding their identity and freedom. But she allowed limited freedom which is suitable in Indian contest. They go through the process of introspection, retrospection, Self –analysis and self realization. Though they experience much agony due to patriotism, though they disobeyed Manu code of conduct, they never wanted to break the bonds of marriage. At the end they wanted to establish their emancipation and so as familial relationship to maintain the balance of familial relations as they do not want to live alone. Deshpande presented a higher ideal of marriage than what is presented by most of the other Indian novelists of her age. Her protagonists get into the process of self exploration, and self realization which leads to solve many problems of humans which happens in one's own mind.

Key words: Problem, Solution, introspection, retrospection , emancipation

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DESH PANDES NOVEL A MATTER OF TIME IS A MATTER OF PHILOSOPHY

Paper ID – 1156

A paper presented by: Kumara Swamy
Assistant Professor, K L Deemed to be University, Andhra Pradesh, India

Abstract

A Matter of Time is A matter of philosophy is the seventh novel of ShashiDeshpande. The novel deals with the dilemma of woman's desertion. The setting of the novel is based in the city of Bangalore, a south Indian city. The action of the novel covers a whole year as narrated by Sumi, the protagonist of the novel. As the title says the first epigraph portrays the philosophical line as Yagnavalkya says his wife that he is about to leave his present state, ties off the family bond and move on to a life of loneliness. The appropriateness of the words may be clearly seen in the novel as the major male character Gopal abruptly leaves his wife and family to live alone due to his philosophy of real life. Man from the ancient times has always abandoned woman and family to reach his higher ideals of life. Woman is left to her fate to face the unkind world which causes her mental trauma and turmoil. Sumi the protagonist, and Kalyani her mother are the sufferers as their respective husbands Gopal and Sripathi abruptly abandon them without mentioning any reasons. It's not a matter of great shame from the side of the woman but also the humiliation due to man's philosophy. Philosophy, loneliness, abandonment, higher ideals, Humiliation.

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THE NOVEL THAT LONG SILENCE IS A CONFLICT OF TRADITION AND MODERNITY

Paper ID – 1157

A paper presented by: Kumara Swamy
Assistant Professor, K L Deemed to be University, Andhra Pradesh, India

Abstract

Tradition and modernity are the two sides of a coin. As a coin has two sides the human do follow some traditions, at the same time he has to accept the changing world in the name of modernity. Life becomes useless if it is unaccepted and gets into anarchy. ShashiDeshPandes novel *That Long silence* is a conflict of tradition and modernity. She has presented the protagonist Jaya having faced the very dilemma choosing between tradition and modernity. The novelist burdened with the task woman protagonist, the specific role that would fit in the socio-cultural model and values of the changed society. She is shown in the state of confusion as there is an interruption in communication between her and her husband. At the end the protagonist emerges self-reliant, self confident, and becomes fearless with new found freedom. Her works define freedom for the Indian women with in the Indian socio-cultural value system and institutions. Her protagonist of the novel has no choice except to become to break the laws of traditions. Finally she emerges, one who is confident and beaming with the inner strength .She realizes her worth as a woman and the discovery leads to self realization.

Key words: Tradition, Modernity, Dilemma, society, freedom, Self realization

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TRANSLATIONS CONNECTS THE CULTURES

Paper ID – 1158

A paper presented by: Kumara Swamy
Assistant Professor, K L Deemed to be University, Andhra Pradesh, India

Abstract

Language is a tool to connect peoples where as Translation is the medium to connect different cultures. As the cultures are inter mingled with languages they required to be translated. There are many cultural words in the languages which are too difficult to translate. There is no progress without translations. All cultures are promoted and connected by the work of translations. If we see the Bhagavadgita, it is translated into many foreign languages which introduce Indian Culture and heritage. Translations get people of different cultures under one umbrella. The translators and readers get to understand and absorb other cultural aspects by entering into the task of translation. They have the great chance of assimilating the world around them though they don't have much knowledge in other languages. As language connects people , translation connects the cultures of the world which is a welcoming aspect for the promotion of the works as well as the promotion of different cultures which bring people under one umbrella .

Key words: Translation, Medium, cultures, Language, promotion.

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THEME OF ALIENATION IN MODERN LITERATURE

Paper ID – 1159

A paper presented by: Dr. K. Usha Rani
Assistant Professor Dept of English KLEF Vaddeswaram

Abstract

Alienation is the basic form of rootlessness, which forms the subject of many psychological, sociological, literary and philosophical studies. Alienation is a major theme of human condition in the contemporary epoch. It is only natural that a pervasive phenomenon like alienation should leave such an indelible impact upon the contemporary literature. Alienation emerges as natural consequence of existential predicament both in intrinsic and extrinsic terms. The theme of alienation has been variously dealt with persistently and unflinchingly in modern literature. The alienated protagonist is a recurrent figure in much of the twentieth century American and European fiction. Alienation in its various forms, has been dealt with in the existentialistic literature. Owing to its historical and socio-cultural reasons, the Indo-English literature also, could not remain unaffected by it. Alienation is the result of loss of identity. The dispossessed personality's search for identity is a common place theme in modern fiction. Man fails to perceive today the very purpose behind life and the relevance of his existence in a hostile world. Edmund Fuller remarks that in our age "man suffers not only from war, persecution, famine and ruin, but from inner problem a conviction of isolation, randomness, meaninglessness in his way of existence". The paper will discuss and analyze theme of alienation in modern literature in general and Indo-English literature in particular from different angles. It will be contextualized by referring profusely the works of renowned writers.

Keywords: Alienation, human condition, existential, predicament, isolation

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THE ISSUE OF IDENTITY IN JHUMPA LAHIRI'S THE NAMESAKE

Paper ID – 1160

A paper presented by: Dr. K. Usha Rani
Assistant Professor Dept of English KLEFVaddeswaram

Abstract

This paper looks into the predicament of name and sense of identity and belongingness of the characters of the Indian origin and immigrants in the USA in *The Namesake*, the novel written by Jhumpa Lahiri. *The Namesake* makes it the best kind of ready reference to classify Diaspora as the term 'Diaspora' and its role in the present era, the life of first and second generation immigrants and their struggle for identity and belongingness are well articulated through the plot and characters. The fact that Jhumpa Lahiri is the child of Indian immigrants when she migrates from England (where she was born) to America makes her both a migrant and Diaspora writer. She has written on the Indian Diaspora and narrated stories that reveal the inconsistency of the concept of identity and cultural difference in the space of Diaspora in her works.

Keywords: articulated, Diaspora, struggle, identity, immigrants

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LANGUAGE OF TEACHERS IN CLASSROOM

Paper ID – 1161

A paper presented by: Dr. K. Usha Rani
Assistant Professor, Dept of English, KLEF, Vaddeswaram

Abstract

Being main teaching media and major source of comprehensive target language input, teacher talk plays an important role in learners' second-language acquisition. Under the trend of "learner-centered" teaching mode, some researchers think that the best teacher talk means less. But the author holds that, in Chinese second language classroom, it is not advisable to lay too much stress on the formal students' participation, which requires the teacher to say as little as possible and the student to say as much as possible. The emphasis should be put on how to raise teacher talk's quality.

Keywords—Comprehensive language input, “ learner-centered”

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CATEGORIZING LEARNERS' MISTAKES

Paper ID – 1162

A paper presented by: Dr. K. Usha Rani
Assistant Professor Dept of English KLEF Vaddeswaram

Abstract

Recent research in applied linguistics emphasizes the significance of learners' errors in second language learning. In this article, major types of errors in second language learning are first briefly mentioned. This is followed by tracing the sources of second language learning errors to both interlingual and intralingual or developmental factors. While interlingual errors are caused mainly by mother tongue interference, intra-lingual or developmental errors originate in the following factors: simplification, overgeneralization, hypercorrection, faulty teaching, fossilization, avoidance, inadequate learning, and false concepts hypothesized. The article concludes with some general guidelines for teachers in correcting errors in second language learning.

Keywords: applied linguistics, errors, developmental errors , second language

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SOFT SKILLS VS HARD SKILLS

Paper ID – 1163

A paper presented by: Dr. K. Usha Rani
Assistant Professor Dept of English KLEF Vaddeswaram

Abstract

Tendency of building a knowledge-based society and existing demands of employers generate a need for highly educated workers with diverse skills and competencies applicable in the workplace. The purpose of this paper is to investigate the extent to which employers perceive the difference of hard and soft skills and their importance for success in the twenty-first century workforce. The evidence will serve for the integration of soft skills into the lifelong learning curriculum. The total number of 17 skills has been observed, five of which are hard skills and twelve are soft skills. A significant difference was found between the perceived importance of soft skills in production and trade sector, on one hand, and service sector, on the other hand. The results of the study will be a good starting point for further research of soft skills needed for production, trade and service sector.

Keywords: soft skills, hard skills, human resource management, knowledge-based economy

USE OF ICT IN CLASSROOM TEACHING

Paper ID – 1164

A paper presented by:Dr. K. Usha Rani
Assistant Professor Dept of English KLEF Vaddeswaram

Abstract

This article reviews the use of information and communication technologies (ICT) in the classroom teaching of management. In this role of technology as an enabler and not a driver of the teaching/learning process, ICT makes it possible to initiate and develop new pedagogical tools in the classroom. The teaching of management requires the development of a broad range of technical, human and conceptual skills and therefore the use of ICT in the classroom teaching of management is quite extensive. We develop a typology of ICT use in the classroom from a pedagogical perspective and extend it to a simple 2×2 model to classify ICT use. Although ICT is extensively used in management education, most of it is confined to what is described as Type I use in this article that uses local sources and the retrieve mode. There is need as well as potential for expansion of ICT use to other types

Keywords communication, expansion, education, management, pedagogical

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**RECONNOITERING THE EXPERIENCES OF DALITS IN SHARAN KUMAR LIMBALE'S
AKKARMASHI (THE OUTCASTE)**

Paper ID – 1165

A paper presented by:Dr.SAJJA. DIVYA
Assistant Professor Dept. of English K.L Deemed to be University

Abstract

Dalit autobiographies are an integral part of Indian Dalit Literature. Some Dalit autobiographies are written in English language while other are written in regional languages and later were translated into English. The exploitation, suppression and marginalization of Dalits are dominant themes in almost all Dalit autobiographies. As Dalits belong to poor marginalized categories, the upper caste people never hesitate to exploit them whenever they get opportunity. Dalits work under them and even after the hard-work throughout the day, they cannot ask for their wages. Dalit writers have taken to writing autobiography for they see it as the most potent weapon to portray the dreadful and humiliating events of a Dalit's world and thus to dismantle the caste-system responsible for their untouchable status and to rebuild society on the principles of human dignity, equality and respect. Sharan Kumar Limbale's autobiography The Outcaste is one of such Dalit autobiographies in which the saga of sorrows, miseries, poverty and hunger has been very deftly explained. The present research article is an attempt to study the life of dalits in post independent India, the economic discrepancy, prevailing caste system, identity of a dalit and practice of untouchability.

Keywords: Dalit, Caste System, Autobiography, Oppression, Discrimination

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TAGORE'S GITANJALI: SONGS OF DIVINITY AND HUMANITY

Paper ID – 1166

A paper presented by: Dr.SAJJA. DIVYA
Assistant Professor Dept. of English K.L Deemed to be University

Abstract

It goes without saying that Rabindranath Tagore is perhaps the most outstanding and the most widely-known among Indian poets. As a poet Tagore seems to have been influenced by the ancient Indian texts such as the Vedas, the Upanishads, the Puranas as also by the Ramayana and the Mahabharata. It is natural that he imbibed a good deal from these sacred and venerated writings, and the kind of cosmic vision, spiritual profundity and a sincere search for truth that we get in them may very well be associated with Tagore's poetry. It is rightly pointed out to us that Tagore was influenced to a great extent by such philosophical poets as Chandidas, Nanak, Kabir and Meera, and there are positive traces of their influence in his poetry. Significant poets like Jaidev, Chandidas, Kabir, Tukaram and Surdas made lots of contribution to the growth and development of Bhakti or devotional poetry and Gitanjali is written in this tradition. Tagore is a humanist and his Gitanjali is steeped in humanism. No doubt, Gitanjali is a religious poem, but the greatness of this religious poem lies in its humanistic appeal.

Keywords: Spiritual, Soul, Quest, Divinity, Vision, Humanity.

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ENGLISH LANGUAGE TEACHING: A REVIEW

Paper ID – 1167

A paper presented by:Dr.SAJJA. DIVYA
Assistant Professor Dept. of English K.L Deemed to be University

Abstract

English is a global language; and is used all over the world. English is a symbol of people's aspirations for quality in education and an active participation in National and International life. The visible impact of the presence of English is that it is being demanded today by everyone at the very initial stage of schooling. ELT in India is vibrant and dynamic today. The context of the whole teaching paradigm has its own transition. The article traces the course of the change, along with the causes and consequences for the course of ELT.

Keywords: English Language Teaching (ELT), English Language, Role of a Language Trainer, LPT, Technical theory.

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MANJU KAPUR'S DIFFICULT DAUGHTERS: A STUDY

Paper ID – 1168

A paper presented by: Dr.SAJJA. DIVYA
Assistant Professor Dept. of English K.L Deemed to be University

Abstract

In India ethnicity, heritage, individualism, quest for identity, protests and concepts of rebelliousness have often remained alien ideas, as far as women were concerned. Women were not supposed to raise their voices for their rights, protest against injustice or question the already existing social norms, beliefs, customs, rituals and superstitions. They have to merely exist and subjected to the patriarchal system. Manju Kapur's *Difficult Daughters* stresses woman's need for self-fulfillment, self-sufficiency, self-realization, independence, individuality and self actualization. A woman should be aware, self-controlled, strong-willed, self-reliant and rational, having faith in the inner strength of womanhood. A meaningful change can be brought about only from within, by being free in the deeper intuitive sense. In *Difficult Daughters*, Manju Kapur presented women's liberation and striving for some space in such a manner that we read not just with our eyes, but also with our heart. Kasturi holds patriarchal values as an ideal. As her daughter rebels against such values, she takes it to be a rebellion against her own self. By suppressing Virmati's desire for freedom, she becomes the voice of patriarchy.

Keywords: Manju Kapur, patriarchal pressure, silent suffering, *Difficult Daughters*, women's liberation

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IDENTIFICATION: AN ANALYSIS OF JHUMPA LAHIRI'S THE LOWLAND

Paper ID – 1169

A paper presented by:Dr.SAJJA. DIVYA
Assistant Professor Dept. of English K.L Deemed to be University

Abstract

Jhumpa Lahiri's, *The Lowland*, traces the fate of tender fraternal bonds torn by violent politics. Lahiri describes the events how the absence of loved ones becomes covertly a portent haunting presence within the subconscious mind of the affected characters directing their obvious actions to their own consequential ways of life. The novel acclaims as the timeless tale of emotions, beliefs, their vulnerabilities, needs and struggles. These are all woven together and brought to life by the simple expression, narrative and multi-dimensional perspectives. The emotional complexity is rich in the novel providing good reading experience. Lahiri's sense of history and its consequences presented in the novel are introspective to grasp human hearts. The present paper reflects on naked identities of the brothers, lovers, father and mother in the novel. It also challenges the national politics with pathetic desperation and revolutionary zeal and also the hope and despair with devastating stories of passion and indifference.

Keywords: *The Lowland*, Melancholic, Identification, Life, Agony

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**FEMINIST INTROSPECTION AND SELF-DISCOVERY
IN THE NOVELS OF ANITA NAIR**

Paper ID – 1171

A paper presented by:Dr.SAJJA. DIVYA
Assistant Professor Dept. of English K.L Deemed to be University

Abstract

Feminism represents one of the most important social, economic and aesthetic revolutions of modern times. Feminism challenges the male-oriented nature of society and the long-accepted stereotypes and gender roles thrust upon women. It is concerned with marginalization of women – women being reduced to a secondary position. Masculine culture has come to be identified as active, overpowering, audacious, rational and the feminine by systematic opposition and the feminine by systematic opposition to such traits, has come to be identified as passive, acquiescent, timid, emotional and conservative. Anita Nair is a contemporary Indo-English novelist who has presented the plight of Indian Woman. For her feminism is the recognizing the importance of the female self. She is of the view that a woman's emancipation is tied to the roles she has to play in life. Anita Nair being a woman penetrates deep into the inner mind of the depressed women by virtue of her feminine sensibility and psychological insight and brings to light their issues which are the outcome of Indian women's psychological and emotional imbalances in a male dominated society.

Keywords: Anita Nair, feminism, emancipation, suppression, freedom, self-discovery
.Is 'Writing' more complex than the other three communication skill sets- Listening, Speaking and Reading?

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**THE EFFECTIVE USAGE OF SKILL INVOLVED IN TEACHING DRAMA FOR UNDER
GRADUATE STUDENTS**

Paper ID – 1172

A paper presented by: A.Pavani, Assistant & Dr. Venkatramana
Professor, KL Deemed University, Vaddeswaram, Guntur &
A, Faculty of English, RGUKT, Andhra Pradesh

Abstract

Drama is an essential tool for preparing students to live and work in a globalised world that is progressively team-oriented. However the drama plays a pivotal role in evolving with innumerable dialogues where the flat and round characters exist. Teachers can use activities based on play/drama to help and develop speaking, listening, and apprehension in the class/English lab. Acting out scenes from a play or novel or using reader's theater in a classroom will help promote the development of speaking and listening skills.

While teaching the drama in a literature class can be viewed as it takes a lion's share in improving the negotiation skills, thought provoking skills, idea generating skills and analytical skills. Drama in the ESL classroom allows your students to become active as they have the responsibility to use their language skills in a play. The benefits include increase of confidence, awareness of word meaning, acquisition of proper intonation, development of fluency, etc. Hence, the paper throws light on the skills which reflect the above said skills in the class of drama.

Key words: Team-oriented, ESL classroom, development of fluency, thought provoking skills.

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**ENHANCING COMMUNICATION SKILLS IN ENGLISH THROUGH LANGUAGE AND
LITERATURE**

Paper ID – 1173

A paper presented by: A.Pavani, Assistant & Dr. Venkatramana
Professor, KL Deemed University, Vaddeswaram, Guntur &
A, Faculty of English, RGUKT, Andhra Pradesh

Abstract

English plays a pivotal role in communication and is no doubt the foremost and most essential tool of communication all over the world. The main purpose of English to get command over the communication skills every person including native speakers makes errors.

Language plays an important role in communication. As it is the symbolic behavior allowed human singularities such as art, religion, and science- to happen. The language also employs a sequence of words to communicate ideas in a far-reaching way. Language is created by people alone.

Literary communication: the transmission of a written or spoken text between a sender and a receiver. It is prominent because it distinguishes the interaction of the reader with the writer as a creative act that transmits a message in agreement with the particular circumstances of the reader.

Thence the language and literature classes are helpful as the practice of oral and written methods communication through various methods and procedures so as to improve and enhance the communication skills

Key words: crucial role, tool of communication, combination of words, transmission.

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**ROLE OF ENGLISH TEACHERS IN ENHANCING STUDENTS BY REDUCING
COMMUNICATION APPREHENSIONS**

Paper ID – 1174

A paper presented by: A.Pavani, Assistant & Dr. Venkatramana
Professor, KL Deemed University, Vaddeswaram, Guntur &
A, Faculty of English, RGUKT, Andhra Pradesh

Abstract

In speaking and writing there are innumerable obstacles and difficulties while applying the new language. When a student is asked to write an essay of 250 words in length, he could easily come up with one that is longer. However, when the student is asked to speak for two to three minutes on a topic in a group discussion or in front of the class, he may face some difficulties in expressing his opinions. The student may feel anxious to express his views verbally in contrast to writing an essay whereby he can eloquently express his views on an assigned topic. Some students' apprehension pointing to speaking activities in class room may pose a problem for them as some course assessments require them to verbally express their opinions like role plays and conversations so as to improve the communication skills of the learners.

Therefore, the teacher's role is very challenging and inspiring to all the new language learners.

Key words: innumerable obstacles, eloquently express, apprehension, conversations.

**DEVELOPING THE ESSENTIAL LSRW SKILLS AMONG ENGINEERING STUDENTS THROUGH
TASK BASED LEARNING**

Paper ID – 1175

A paper presented by: A.Pavani, Assistant & Dr. Venkatramana
Professor, KL Deemed University, Vaddeswaram, Guntur &
A, Faculty of English, RGUKT, Andhra Pradesh

Abstract

Effective English language skills have become the essence to reach the point of success in any field in this era of globalised world. English language became the lingua franca of the world leads people to learn this language. The use of English language as the world's prominent language for worldwide communication has obviously been progressing for years.

Out of the LSRW skills, the listening and reading are called receptive skills as the learner community receives knowledge through these two skills. However, the other two sub skills speaking and writing are productive skills which are supposed to be elevated or produced by the learner after learning. Thence, this paper throws light on how the LSRW skills will be making enable of language aspiration the class through various tasks like G.D's , Role-plays, Conversations, Dialogue writing, JAM sessions for productive skills and knowledge in the language class.

Key Words: Listening, Speaking, Reading & Writing, Active Learning, Task based

**CHALLENGES OF STUDENTS FACE IN LEARNING WRITING SKILLS IN ENGLISH FOR
SECOND LANGUAGE LEARNERS**

Paper ID – 1176

A paper presented by: A.Pavani, Assistant & Dr. Venkatramana
Professor, KL Deemed University, Vaddeswaram, Guntur &
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Abstract

Learning aspirants' culture can be a obstacle to second or foreign language learning. Cultural differences may be the reason for confusion and cultural misunderstandings. Learners may have barriers in communicating with target native speakers because of their cultural differences. Learning the second language means learning to speaking and apprehends it. The general factors that influence second language learning are: age, aptitude and intelligence, cognitive style, attitudes, motivation and personality (Ellis 1985).

These English language learners often face some of the challenges-like Unqualified Teachers, Limited Learning Environments, Students Don't Take Their Study Seriously, Over-Use of Native Language in the Classroom, Strong Students Dominate the Class.

Here are some of the biggest challenges people must face when learning to speak and write English: They are Grammar. English Grammar is complex, making it difficult to remember, Vocabulary, Slang and colloquialism, Pronunciation, Variations in English.

Key Words: Cultural differences, Native speakers, Cognitive style, Variations in English.

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**CLASSROOM RESPONSE SYSTEMS: DOES INSTANTANEOUS FEEDBACK AFFECT STUDENTS'
KNOWLEDGE AND SELF-EFFICACY**

Paper ID – 1177

**A paper presented by:Dr. NEELIMA CHOUDARAJU¹
Associate Professor, KLEF, Vaddeswaram, Guntur, E-Mail: drneelima@kluniversity.in**

Abstract

Technological advancements have enabled educators to bring excitement in student success with instantaneous feedback utilizing classroom response systems (CRS). A quantitative, quasi-experimental research design was used in this research to build a comprehensive understanding of the impact of instantaneous feedback with student knowledge and student self-efficacy. The purpose of this study was to illuminate the benefits of instantaneous feedback and student self-efficacy with incorporation of CRS in a secondary science course. Statistical analyses were conducted with quantitative formative scores, summative test scores, and self-efficacy questionnaire results prior to the incorporation of CRS, and perceived self-efficacy questionnaire results after experience with CRS.

Key words: CRS, Self-efficacy, Instantaneous feedback, Quantitative scores etc.

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**EFFECTS OF COOPERATIVE LEARNING STRATEGIES ON THE ACADEMICS SPECIAL
EDUCATION STUDENTS**

Paper ID – 1178

A paper presented by:Dr. NEELIMA CHOUDARAJU¹

Associate Professor, KLEF, Vaddeswaram, Guntur, E-Mail: drneelima@kluniversity.in

Abstract

This paper examines the effects of the cooperative learning strategy referred to as “think-pair-share” on the academics of students both in general education classrooms and inclusive education classrooms. This study included third grade students, a few of them with exceptional learning needs. The study took place during a 50-minute reading block in three different classrooms; two being general education and one being inclusion, over a period of eight weeks. One of the general education classrooms was held as the control group. In both the non-control group general education class and inclusion classroom, the think-pair-share technique was implemented to test the effect on student’s academic self-concept. The success of the technique was measured through a survey of self-concept that was given both pre-study and post-study to all three classes of students. The disabilities represented in this study included attention deficit disorder ADHD, autism, and specific learning disability. In addition, one student has a one-on-one aide for diabetes treatment, but is also classified autistic. These students have been placed in a co-teaching environment as the least restrictive environment for successful learning. One student with an IEP is mainstreamed and is in the control group. In addition, there are two students with 504 plans for ADHD and anxiety; one being in the control group and one being in the general education class

Key words: Cooperative learning, Think-pair-share, Control group, ADHD etc.

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**FOOD AND ETHNICITY SENSE OF THE SLUMS OF STEPHEN CRANE'S MAGGIE: A GIRL OF
STREETS**

Paper ID – 1179

A paper presented by:Dr. C. NEELIMA

associate professor, kl university, vaddeswaram, drneelima@kluniversity.in

Abstract

American realism, a literary genre spanning from the end of the Civil War to the beginning of World War, I, was invested in “realistically” depicting the lives of ordinary people through literature. However, many practitioners of realism and its advocates were typically part of the middle to upper classes, thereby ensuring that their depiction of “reality” was often inherently flawed. This research paper examines how Stephen Crane responded to realism’s ideological constraints by using food scenes in his *Maggie: A Girl of the Streets* to depict immigrant characters, in the process either reinforcing or undermining the social hierarchies perpetuated by the genre. He also used food in his work to comment on dominant ideas about consumption popularized by dietetic reform movements and transformations in the culinary landscape at large, which shaped notions about how, what, and how much Americans should eat. Furthermore, although scholarly discussions of realism are numerous, no research yet exists that examines, at length, how food operates within works associated with realism. Tracing culinary and narrative ideologies as parallel histories, this research paper illustrates how together, they shaped ideas about nationality, citizenship, and what constitutes the “ideal” American at the turn of the twentieth century.

Key words: Realism, Immigrants, Ideological constraints, Culinary landscape etc.

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**INTER-RACIAL DESIRE AND RACIAL TRIANGULATION IN MISSISSIPPI MASALA AND BHAJI
ON BEACH**

Paper ID – 1180

**A paper presented by:Dr. C. NEELIMA
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Abstract:

This paper challenges the belief that racialized communities do immediately support and identify with each other. The study on the Black and South Asian diasporas discloses the Orientalist thoughts and anti-Black racisms that exist in each community. Applying Edward Said's Orientalism, and research on racial triangulation by Asian Americanist Claire Jean Kim, my work attempts to clarify the often-conflicted relations and dynamics between South Asians, Blacks, and whites. This research paper looks at romantic and sexual involvement between different racial communities; specifically looks at the films Mississippi Masala and Bhaji on the Beach to probe into the cultural rarity that is the Black-South Asian romance.

Key words: Orientalist, South Asian diaspora, racialized communities, etc.,

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LIVING IN A LIMINAL SPACE: STORY TELLING AS A MEANS OF SOCIAL ACTION

Paper ID – 1181

**A paper presented by: Dr. C. NEELIMA
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Abstract

Recalling the past through oral tradition is a source of strength, so why not study the stories and actions of the contemporary female Native leaders. With the current political climate, it has become opportunistic and necessary to redefine identity, to challenge the dominant narrative, to question history and plan through critical engagement of the present. This research provides other Native women leaders, writers, poets and storytellers inspiration and confidence in their current actions and skills, as they are tools in resisting and surviving the various systems meant to exclude and terminate their voice and identity. Although there are many different approaches to understand the use of storytelling as a tool of activism when occupying a liminal space, I focus on this area: the liminal spaces Native people occupy force us to constantly negotiate our identity and voice as a Native person and the application of storytelling a tool of activism. What I was most interested in were my fellow Native sisters, the female leaders in Indian Country that were present at Standing Rock using their statues and platforms to discuss issues otherwise forgotten through their strengths of storytelling. I want to know how they used storytelling as a tool of activism, how they connected to their perceived audiences and created an urgency to act and if there were any issues of the past resolved in the efforts of the present found within their writings. The communication strategies of storytelling within a liminal space provides an opportunity for the reclaiming of Native identity by Native people, as seen with the recognition of the Water Protector identity, and the engagement of new ideas and possibilities in solving complex socio-political, environmental-cultural issues.

Key words: Liminal space, Storytelling, Nativity, Identity etc.

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**STUDY OF CLASS STRUGGLE IN URBAN AND RURAL SOCIETIES FROM THE NOVEL *THE
WHITE TIGER* BY ARAVIND ADIGA**

Paper ID – 1182

**A paper presented by: Dr. NEELIMA CHOUDARAJU¹
Associate Professor, KLEF, Vaddeswaram, Guntur, E-Mail: drneelima@kluniversity.in**

Abstract

The present study deals with the issues of the social division of different classes in society as upper and lower class on the economic bases. The division further leads to the dependency of lower classes on upper classes for basic needs which accounts for the subjugation of lower classes. The scenario of class struggle is different in the metro cities as depicted by Aravind Adiga in *The White Tiger*. The study deals with the differences in the portrayal of both the classes by the writer.

Keywords: Marxism, Class struggle, ideology

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THE USE OF LEARNING MANAGEMENT PLATFORMS IN SCHOOL CONTEXT

Paper ID – 1183

A paper presented by: Dr. D. Sravana Jyothi

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Abstract

A learning management system is a server-based or cloud based software program. It contains information about users, courses and content. A learning management system provides a place to learn and teach without depending on the time and space boundaries. Learning management systems are also known as Course Management Systems (CMS), Personal learning Environment (PLE), e-learning courseware and Virtual learning Environments (VLE). In this paper, some of the characteristics of open sources learning management systems were analyzed to identify the basic characteristics for designing a learning management system. The LMS is designed for various educational bodies and the modules for future are also proposed in this paper.

With the improvement of Computer Assisted Learning, Learning Management Systems are gaining popularity as a convenient medium for delivering and managing teaching and/or training to the distant learners. It is noticed that Current LMSs are lacking in some functionalities for which they can be used by educational bodies. This work tries to bring out those functionalities which can be incorporated in a standalone LMS to upgrade it into various educational bodies supporting LMS. Objectives of this work were, to study about LMSs and different modules of an already existing LMS, to explore extra functionalities to transform a generic LMS into an LMS that supports various educational bodies, and to propose a Framework for an LMS that can act as a learning management system for various educational bodies.

Keywords: Convenient medium, Transform, Framework, Computer Assisted Learning

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**USING ENGLISH AS A LINGUA FRANCA (ELF): AN ANTECEDENT IN DEVELOPING
INTERCULTURAL COMMUNICATION IN INDIA**

Paper ID – 1184

A paper presented by:Dr. D. Sravana Jyothi
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Abstract

For a professional, it is a practical thing to learn English, since we live in a global world where it is the only language that connects with everyone. Youngsters are exposed to the language because of rise of English medium schools, which are coming up. Also, it unites people from different regional backgrounds. In the metropolitan cities one will see people conversing in the language. If we go to the interiors, people still talk in their native language. It will be wrong to say that popularity of regional literature has reduced. Today, one has to be knowledgeable in English. Studying in one's own language, gives us the opportunity to know the language and culture. But today studying in a vernacular medium institution is looked down upon.

Sometimes it becomes difficult for a person who has studied in a regional medium to converse fluently in English. In the longer run, children probably won't be able to develop proficiency in their mother tongue, if they are always pressurised to speak in English. In terms of scope and use, it is undoubtedly the most prevalent language for intercultural communication and for that reason has attracted a good deal of attention from all areas of linguistic enquiry. The article will outline the basic concepts of ELF, survey studies already conducted and point to potential research perspectives.

Key words: Regional Background, Opportunities, Communication, Mother tongue

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NURTURE AFFECTS GENDER DIFFERENCES IN SPATIAL ABILITIES IN DIGITAL EPOCH

Paper ID – 1185

A paper presented by:Dr. D. Sravana Jyothi
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Abstract

Women remain significantly underrepresented in the science, engineering, and technology workforce. Some have argued that spatial ability differences, which represent the most persistent gender differences in the cognitive literature, are partly responsible for this gap. The underlying forces at work shaping the observed spatial ability differences revolve naturally around the relative roles of nature and nurture. Spatial ability is a critical skill in geometric learning. Several studies investigate how to use digital games to improve spatial abilities. However, not every learner favors this kind of support. To this end, there is a need to examine how human factors affect learners' reactions to the use of a digital game to support geometric learning. In this vein, this paper addresses this issue by developing a digital pentominoes game and examining the effects of two essential human factors, especially gender differences and spatial abilities, on students' performance. The results also demonstrate that the digital game can reasonably reduce the differences between boys and girls. Our paper shows that the gender gap in spatial abilities in the task that we study interacts with culture. In the matrilineal society, we observe no gender difference in this task. These results show that nurture plays an important role in the gender gap in spatial abilities. Nevertheless, reducing the gender gap in spatial abilities may reduce the gender gap in the science, engineering, and technology workforce.

Keywords: Gender Differences, Spatial Ability, Nurture, Gender Gap, Matrilineal Society

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**TEACHING METHODOLOGIES AND APPROACHES FOR PUPILS SPECIAL EDUCATIONAL
NEEDS**

Paper ID – 1186

A paper presented by: Dr. D. Sravana Jyothi
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Abstract

The Education for Persons with Special Educational Needs Act (Government of Ireland, 2004) clearly states that where a student is not benefiting from a school's education programme (after the school has put measures in place) and where it is considered that his/her problems may arise from a special educational need, the school should arrange for an assessment of need. At the first level of classroom support (support for all), the teacher is responsible for the assessment of students in the classroom and may consult, as appropriate, with other teacher colleagues or educational psychologists where concerns arise about the progress of individual students. At the second level of support (support for some), assessment and intervention are directed at some students who require additional input. This usually involves consultation with school support staff and substantial assessment by teachers, with possible classroom observation by the psychologist. At the third level, assessment is generally characterised by a more intensive and individualised approach.

Definitive categories create dilemmas as children can often exhibit a range of difficulties characteristic of more than one category – it may not be clear which one offers the best fit. The article further considers that categorisation does not reflect the complexity of the special educational needs of individual children nor does it necessarily inform educational interventions. Children assigned to the same disability category often have different needs in terms of school-based learning as a wide range of ability/disability is represented within each category.

Keywords: Individual Students, Difficulties, Disability, Complexities, Special Education

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**ROLE OF ICT IN THE ENHANCEMENT OF ENGLISH LANGUAGE SKILLS AMONG THE
LEARNERS**

Paper ID – 1187

A paper presented by:Dr. D. Sravana Jyothi
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Abstract

The present world is ruling by technology. Due to the pervasive existence of technology the pedagogy of teaching methodology has also undergone lot of changes. The phrase “e-Learning” or “Technology in Education” has become the buzz word in the world of education. Imparting technology into education is really essential as it fulfills the needs of the contemporary learners. The classroom environment, today, is entirely different from the traditional classroom. The traditional methods which are chiefly built on lecturing and rote learning weaken English language learning to mechanical memorization and miserably fail in developing English language as a skill among the learners. New-fangled technologies like Internet, YouTube, Skype, twitter, blogs, mobile phones, interactive boards and many more are supporting what is being learned in schools, colleges and universities but it is also supporting changes to the way students are learning. By implementing novice methods like movie clippings, dramatics, advertisements, sports commentaries and many more the teachers can engage the learners to become skilled at English Language. This article stresses on the need to make English language lessons easy and engaging through innovative ELT methods. This is done first by presenting a brief review about the traditional teaching methods in India and further the emphasis will be on introducing ICT tools in ELT. Consequently this study discusses the availability of various tools of ICT and their practical uses.

Keywords: technology, Classroom Environment, New Methods, ICT Tools

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USING BLENDED LEARNING IMPLEMENTATION MODELS

Paper ID – 1188

A paper presented by:Dr. D.Sravana Jyothi

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Abstract

Blended learning is an innovative concept that embraces the advantages of both traditional teaching in the classroom and ICT supported learning including both offline learning and online learning. It has scope for collaborative learning; constructive learning and computer assisted learning (CAI). Blended learning needs rigorous efforts, right attitude, handsome budget and highly motivated teachers and students for its successful implementation. As it incorporates diverse modes so it is complex and organizing it is a difficult task. The present paper discusses the concept of blended learning, its main features and prerequisite of its implementation. Scope of blended learning in Indian educational system is also discussed .The present paper also tries to explain that how blended learning is an approach that needs to be adopted. Blended learning is the concept that includes framing teaching learning process that incorporates both face to face teaching and teaching supported by ICT. The significant feature of the blended learning is that teachers are very dynamic, techno savvy and fully trained to work efficiently in both the formats- traditional classroom format and ICT supported format. They will be well equipped in using traditional methods and other modern technologies. Students in blended learning can select either the traditional mode of classroom teaching where they can get personal interaction with teacher and their classmates or they can choose ICT supported teaching learning. This largely depends on the nature of content and objectives being targeted.

Keywords: Collaborative Learning, Traditional Methods, Pre Requisite.

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EVIDENTIAL WORKS OF LITERATURE TEXTS TO MOVIES.

Paper ID – 1189

**A paper presented by:Dr.A.Pavani Sasidhar, PhD, Mphil, MBA, PGCTE.
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Author's Introduction:

Dr.A. Pavani Sasidhar has pursued her P.hD and M. Phil. from Acharya Nagarjuna University, Guntur. She also did her PGCTE & PGDTE from English & Foreign Language University, Hyderabad. So far, she has 18 years of experience in teaching. At present she has been rendering her services as Assistant Professor at K L Deemed to be University, Vaddeswaram, Guntur. She has published fourteen articles in both National and International journals and attended twenty National and International conferences. She is also the recipient of two coveted awards.

Abstract

Movies plays vial role in everyone's life. In fact, electronic media is entwined within the human life style, it has influenced in such a manner that ever individual irrespective of gender, age, time and circumstances ever human being is started reflecting the movies. from the period of Shakespeare to the contemporary age, the literary texts give witness as of ot. Hence, this paper throws light on the examples of some of them.

Key words:Evidential works, literature, texts , movies.

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COMPARATIVE ANALYSIS OF LEARNER CENTRIC AND TEACHER CENTRIC METHODS.

Paper ID – 1190

**A paper presented by: Dr.A.Pavani Sasidhar, PhD, Mphil, MBA, PGCTE.
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Abstract

Comparative analysis of learner centric and teacher centric methods. Here are man methods which can be implemented in the class. Among them, student centric methods, the learner has many chances to speak and communicate and participate in the class room. In the traditional method of teaching, teacher has given utmost importance and lessons were taught the teachers, but in active teaching methods, student takes lions share in class rather than teacher.

Key words: Comparative, analysis, learner centric, teacher centric, various methods.

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STRATEGICAL TEACHING METHODS OF ESL.

Paper ID – 1191

**A paper presented by:Dr.A.Pavani Sasidhar, PhD, Mphil, MBA, PGCTE.
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Abstract:

Various teaching, methodologies in learning of English in language education can be implemented through various procedures. In he same manner, language sessions must be dynamic but not static. English teachers play various roles like mentor, facilitator, manager, and also as a friend. Hence, his paper gives analysis of various strategies in teaching and applying of methodologies in English Spoken Language class.

Key words:Strategies, teaching, methodologies, English, Spoken Language.

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THE SKILL OF PATIENCE IN OLD MAN AND THE SEA

Paper ID – 1192

**A paper presented by:Dr.A.Pavani Sasidhar, PhD, Mphil, MBA, PGCTE.
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Abstract:

A famous quote says life is an un guessed question paper and he questions are always out of syllabus. Human beings who study well about life will pass other wise he fails in life. Many ways are available for improving the life style of man of various ways. His paper focuses on different ways of life in society. In old man and the sea indicates how he manages his life with a lot of patience.

Key words:Skill, patience, Old man, Life, lesson.

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HETEROGENEOUS STUDENTS' BEHAVIORAL PATTERNS IN THE LANGUAGE CLASS

Paper ID – 1193

**A paper presented by:Dr.A.Pavani Sasidhar, PhD, Mphil, MBA, PGCTE.
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Author's Introduction:

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Abstract

Language sessions are meant for acquiring skills of language. In the **Heterogeneous class of any** sort of category the learners are with many ideologies to communicate in L2 language. During this process of leaning, some may feel shy, some may be outspoken and some may be reserved. However, the ultimate intention of the learner is to speak L2 language fluently and accurately. Hence, this paper throws light on the various methods in dealing of heterogeneous class.

Key words:Heterogeneous, Various methods, methods, techniques.

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ILLUSIONS ELEVATE T.S.ELIOT'S *THE WASTELAND*-AN ANALYSIS

Paper ID – 1194

A paper presented by:Karthik Sai Lakshman Y, Assistant Professor, K L E F, Vaddeswaram, Guntur Dist.
Dr Sandhya Rani T, Assistant Professor, D J R College of Engg. & Tech., Gudavalli, Vijayawada

Abstract

T.S.Eliot's famous poem "*The Waste Land*" has many literary elements. Every line in the poem suggests different concepts. In this paper we would like to present the use of illusions in the poem. The illusions alleviates T.S.Eliot's poem. The overall theme of each section depends on illusion. The symbolic representation of illusions with reference to the poem helps writer to present his ideas clearly. The myths, symbols, used by Spencer, Chaucer, and Shakespeare etc. are directly connected with the theme in the poem. These illusions help T.S.Eliot to present different styles in his poem. In this paper we would like to analyze each illusion and how it works T.S.Eliot to elevate his work by using his unique writing style.

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WAITING FOR GODOT AND WAITING FOR MAHATMA- SIMILARITIES AND DISPARITIES

Paper ID – 1195

A paper presented by:Karthik Sai Lakshman Y, Assistant Professor, K L E F, Vaddeswaram, Guntur Dist.
Dr Sandhya Rani T, Assistant Professor, D J R College of Engg. & Tech., Gudavalli, Vijayawada

Abstract

Waiting for Godot is an absurd drama. *Waiting for Mahatma* is an extremist play. Becket in his play *Waiting for Godot* try to project that two characters in the paly wait for the Godot. R.K.Narayan in his play *Waiting for Mahatma* depicts the struggle of a main character. This paper analyses to present the struggling of a man in existential drama and in another play it is the struggle of an extremist character. We also would like to analyze that how the titles same words waiting for is used, how they are similar and how they are different. By providing the comparative study I would like to elaborate the concept of waiting for in these two plays.

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FOLKLORE IN CHINUA ACHEBE'S THINGS FALL APART

Paper ID – 1186

A paper presented by: Karthik Sai Lakshman Y, Assistant Professor, K L E F, Vaddeswaram, Guntur Dist.
Dr Sandhya Rani T, Assistant Professor, D J R College of Engg. & Tech., Gudavalli, Vijayawada

Abstract

Chinua Achebe is a Nigerian writer. His writings depict Nigerian culture. Chinua Achebe's *Things Fall Apart* is a novel which revolves around Nigerian culture. Chinua Achebe presents culture of Nigerians by using different elements in his novel. One of those elements is folk theme. This paper attempts to present those folk cultural elements. Folk culture is the one which is unique and special to that particular community. The study of folk culture is related to the place, food, clothing, shelter, deities, festivals, relations of particular community. In this paper, our analysis covers all these topics with reference to folk theme. I also present the importance of folk element in highlighting one's own culture. Chinua Achebe's successfully achieved this through his novel "*Things Fall A part*".

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PROMOTION OF NATIONALISM IN SAINT JOAN BY GEORGE BERNARD SHAW

Paper ID – 1187

A paper presented by: Karthik Sai Lakshman Y, Assistant Professor, K L E F, Vaddeswaram, Guntur Dist.
Dr Sandhya Rani T, Assistant Professor, D J R College of Engg. & Tech., Gudavalli, Vijayawada

Abstract

Saint Joan is a play where woman is canonized for her pride feeling towards her nation. Through this play George Bernard Shaw tries to promote national spirit. Saint Joan has tried to free her country from British rulers. This is against the church rule. The church authorities want to suppress national feeling and they consider that it may destroy the conventional rules and disturbs the society. Church people don't want to develop such kind of feelings among their people. Saint Joan is trying to develop nationalism in her country. They consider it a mistake and they burned her. Later all understand Sian Joan and she was canonized. With this Shaw wants to give the readers the importance of Nationalism in modern days. This paper analyses how Shaw promotes nationalism in his play.

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THE ROLE OF A MYTH IN CHINUA ACHEBE'S THINGS FALL APART

Paper ID – 1188

A paper presented by:Karthik Sai Lakshman Y, Assistant Professor, K L E F, Vaddeswaram, Guntur Dist.
Dr Sandhya Rani T, Assistant Professor, D J R College of Engg. & Tech., Gudavalli, Vijayawada

Abstract

Archetype and myth writing is common in English literature. These help writers to highlight some points which they want to mention in their writings. Chinua Achebe in his novel *Things Fall Apart* uses myths which highlights and gives a clear picture of Nigerian culture. Myths are special to any community. The usage of myths in *Things Fall Apart* clearly portrays the nativity. This nativity highlights the culture of particular society. To study the culture of particular community, myths are the guiding sources. We would like to analyze the myths used by Chinua Achebe in his novel. We also want to provide how he has used to bring the native culture in his novel.

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MOTIVATIONAL AND INSPIRATIONAL TEXT BY SRI SRI – A TRANSLATION STUDY

Paper ID – 1199

A paper presented by:Dr.P.V.Ravi Kumar,Associate Professor, Dept., of English, KL Deemed to be university, Vaddeswaram,AP.

Abstract

Srirangam Srinivasa Rao, who is famously known as **Sri Sri** (writer) (30 April 1910 – 15 June 1983), popularly known as **Sri Sri**, was a **Telugu** poet and lyricist. He was a member of PEN INDIA, Sahitya Academy, Vice-President of the South Indian Film Writers Association, Madras and President of the revolutionary writers association of Andhra Pradesh.

Srirangam Srinivasa Rao was the first true modern Telugu poet to write about contemporary issues that affected day-to-day life of a common man in a style. He moved poetry forward from traditional mythological themes to reflect more contemporary issues. while the world's pain became Sri Sri's pain." His book *Maha Prasthanam* (The Great Journey), an anthology of poems, is one of his major works. In one of the poems, "Jagannathuni Ratha Chakralu", Sri Sri addressed those who were suffering due to social injustices and said, "Don't cry, don't cry. The wheels of the chariot of Jagannath are coming; they are coming! The apocalyptic chant of the chariot wheels! Come, realise your dreams Rule your new world!

Hence this paper focuses on the translation studies of Sri Sri from his *Maha Prasthanam*

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**SOCIOLINGUISTIC STUDY OF PRONOUNS OF ADDRESSEE IN SELECT SHORT STORIES OF
MALGUDI**

Paper ID – 1200

A paper presented by: Days by RK Narayan.

Dr.P.V.Ravi Kumar, Associate Professor, Dept., of English, KL Deemed to be University, Vaddeswaram, AP.

Abstract

The term pronoun is well known to everyone as it represents the doer. The term pronoun derived from the Latin (pronomen), language which means 'for' or 'in place of' and 'name'. Based on the usage of various pronouns, they are of seven kinds namely Personal Pronouns, Demonstrative Pronouns, Indefinite Pronouns, Distributive Pronouns, Interrogative pronouns, Relative pronouns and Reflexive pronouns. The personal pronouns are used instead of the proper nouns like I, we, you, he, she, it and they. In the same manner, the Demonstrative Pronouns are used to indicate or to determine a particular thing, place or person. For instance, this, that, these, they and so on are named as Demonstrative Pronouns. The name indefinite pronoun itself explores that non definiteness of a particular subject. Say for example, the pronouns such as someone, very few, no one and every one and so on. Such pronouns will come under the category of Indefinite Pronouns. Distributive Pronouns are used to indicate the division or scatter of things, objects, places or persons like each and every and so on. The word interrogative itself indicates questioning. Hence, the Interrogative pronouns are the pronouns which are used for questioning instead of nouns. Hence, the pronouns such as whom, who, which, what and so on will come under this category of pronouns. Relative pronouns are the pronouns which are applied to use the connectivity among the sentences by using the pronouns. The pronouns such as who, whom, whose, which, that will come under this type of pronouns. The term Reflexive pronouns mean they resemble the nouns. It means the Reflexive pronouns are the pronouns which are used to imply the meaning of the reflection or showcase the same. For example, we can say myself for the indication of I, Himself to indicate He, Herself to indicate her. Hence, the Reflexive pronouns are used to resemble the nouns. Hence, this paper emphasizes on the usage of pronouns of various types in the select short stories of Malagudi Days by R.K.Narayan. This paper exemplifies how the narrative techniques are implied by the writer or the addressee with few quoted examples in the full paper. This study is made to trace out the socio linguistic approach, in order to find out the applicability of the pronouns in the select short stories namely, An Astrologer's Day, Father's Help, The Snake Song and Forty Five A Month.

Keywords:

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Personal Pronouns, Demonstrative Pronouns, Indefinite Pronouns, Distributive Pronouns, Interrogative pronouns, Relative pronouns and Reflexive pronouns.

Image/Text and Text/Image: Reimagining Multimodal Relationships through Dissociation

Paper ID – 1201

**A paper presented by: *Dr.M.Latha, Associate professor,
Department of English, KL Deemed to be University, Vaddeswaram.***

Abstract:

“W.J.T. Mitchell has famously noted that we are in the midst of a “pictorial turn,” and images are playing an increasingly important role in digital and multimodal communication. My dissertation addresses the question of how meaning is made when texts and images are united in multimodal arguments. Visual rhetoricians have often attempted to understand text-image arguments by privileging one medium over the other, either using text-based rhetorical principles or developing new image-based theories. I argue that the relationship between the two media is more dynamic, and can be better understood by applying *The New Rhetoric*'s concept of dissociation, which Chaim Perelman and Lucie Olbrechts-Tyteca developed to demonstrate how the interaction of differently valued concepts can construct new meaning. My dissertation expands the range of dissociation by applying it specifically to visual contexts and using it to critique visual arguments in a series of historical moments when political, religious, and economic factors cause one form of media to be valued over the other: Byzantine Iconoclasm, the late medieval period, the 1950's advertising boom, and the modern digital age. In each of these periods, I argue that dissociation reveals how the privileged medium can shape an entire multimodal argument. I conclude with a discussion of dissociative multimodal pedagogy, applying dissociation to the multimodal composition classroom.”

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APPARITIONAL ECONOMIES: SPECTRAL IMAGERY IN THE ANTEBELLUM IMAGINATION

Paper ID – 1202

**A paper presented by:Dr.M.Latha,Associate professor,
Department of English, KL Deemed to be University, Vaddeswaram.**

Abstract

“*Apparitional Economies* is invested in both a historical consideration of economic conditions through the antebellum era and an examination of how spectral representations depict the effects of such conditions on local publics and individual persons. From this perspective, the project demonstrates how extensively the period’s literature is entangled in the economic: in financial devastation, in the boundaries of seemingly limitless progress, and in the standards of value that order the worth of commodities and the persons who can trade for them. I argue that the space of the specter is a force of representation, an invisible site in which the uncertainties of antebellum economic and social change become visible. I read this spectral space in canonical works by Nathaniel Hawthorne, Edgar Allan Poe, Herman Melville, and Walt Whitman and in emerging texts by Robert Montgomery Bird, Theophilus Fisk, Fitz James O’Brien, and Edward Williams Clay. Methodologically, *Apparitional Economies* moves through historical events and textual representation in two ways: chronologically with an attention to archival materials through the antebellum era (beginning with the specters that emerge with the Panic of 1837) and interpretively across the readings of a literary specter (as a space of lack and potential, as exchange, as transformation, and as the presence of absence). As a failed body and, therefore, a flawed embodiment of economic existence, the literary specter proves a powerful representation of antebellum social and financial uncertainties.”

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**“STRONG ANGELS OF COMFORT: MIDDLE CLASS MANAGING DAUGHTERS IN VICTORIAN
LITERATURE”**

Paper ID – 1203

**A paper presented by:
*Dr.M.Latha,Associate professor,
Department of English, KL Deemed to be University, Vaddeswaram.***

Abstract

“This dissertation joins a vibrant conversation in the social sciences about the challenging nature of care labor as well as feminist discussions about the role of the daughter in Victorian culture. It explores the literary presence of the middle class managing daughter in the Victorian home. Collectively, the novels in this study articulate social anxieties about the unclear and unstable role of daughters in the family, the physically and emotionally challenging work they, and all women, do, and the struggle for daughters to find a place in a family hierarchy, which is often structured not by effort or affection, but by proscribed traditional roles, which do not easily adapt to managing daughters, even if they are the ones holding the family together. The managing daughter is a problem not accounted for in any conventional domestic structure or ideology so there is no role, no clear set of responsibilities and no boundaries that could, and arguably should, define her obligations, offer her opportunities for empowerment, or set necessary limits on the broad cultural mandate she has to comfort and care others. The extremes she is often pushed to reveals the stresses and hidden conflicts for authority and autonomy inherent in domestic labor without the iconic angel in the house rhetoric that so often masks the difficulties of domestic life for women. She gains no authority or stability no matter how loving or even how necessary she is to a family because there simply is no position in the parental family structure for her. The managing daughter thus reveals a deep crack in the structure of the traditional Victorian family by showing that it often cannot accommodate, protect, or validate a loving non-traditional family member because it values traditional hierarchies over emotion or effort. Yet, in doing so, it also suggests that if it is position not passion that matters, then as long as a woman assumes the right position in the family then deep emotional connections to others are not necessary for her to care competently for others.”

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“THE POWER OF MULTIPLYING: REPRODUCTIVE CONTROL IN AMERICAN CULTURE, 1850-1930”

PAPER ID – 1204

**A paper presented by: *Dr.M.Latha, Associate professor,
Department of English,
KL Deemed to be University,
Vaddeswaram.***

Abstract

“Prior to the advent of modern birth control beginning in the nineteenth century, the biological reproductive cycle of pregnancy, post-partum recovery, and nursing dominated women’s adult years. The average birth rate per woman in 1800 was just over seven, but by 1900, that rate had fallen to just under than three and a half. The question that this dissertation explores is what cultural narratives about reproduction and reproductive control emerge in the wake of this demographic shift. What’s at stake in a woman’s decision to reproduce, for herself, her family, her nation? How do women, and society, control birth? In order to explore these questions, this dissertation broadens the very term “birth control” from the technological and medical mechanisms by which women limit or prevent conception and birth to a conception of “controlling birth,” the societal and cultural processes that affect reproductive practices. This dissertation, then, constructs a cultural narrative of the process of controlling birth. Moving away from a focus on “negative birth control”—contraception, abortion, sterilization—the term “controlling birth” also applies to engineering or encouraging wanted or desired reproduction. While the chapters of this work often focus on traditional sites of birth control—contraceptives, abortion, and eugenics—they are not limited to those forms, uncovering previously hidden narratives of reproduction control. This new lens also reveals men’s investment in these reproductive practices. By focusing on a variety of cultural texts—advertisements, fictional novels, historical writings, medical texts, popular print, and film—this project aims to create a sense of how these cultural productions work together to construct narratives about sexuality, reproduction, and reproductive control. Relying heavily on a historicizing of these issues, my project shows how these texts—both fictional and nonfictional—create a rich and valid site from which to explore the development of narratives of sexuality and reproductive practices, as well as how these narratives connect to larger cultural narratives of race, class, and nation. The interdisciplinary nature of this inquiry highlights the interrelationship between the literary productions of the nineteenth and twentieth century and American cultural history.

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**“WITNESSING THE WEB: THE RHETORIC OF AMERICAN E-VANGELISM AND PERSUASION
ONLINE”**

Paper ID – 1205

**A paper presented by: *Dr.M.Latha, Associate professor,
Department of English,
KL Deemed to be University,
Vaddeswaram.***

Abstract

“From the distribution of religious tracts at Ellis Island and Billy Sunday’s radio messages to televised recordings of the Billy Graham Crusade and Pat Robertson’s 700 Club, American evangelicals have long made a practice of utilizing mass media to spread the Gospel. Most recently, these Christian evangelists have gone online. As a contribution to scholarship in religious rhetoric and media studies, this dissertation offers evangelistic websites as a case study into the ways persuasion is carried out on the Internet. Through an analysis of digital texts—including several evangelical home pages, a chat room, discussion forums, and a virtual church—I investigate how conversion is encouraged via web design and virtual community as well as how the Internet medium impacts the theology and rhetorical strategies of web evangelists. I argue for “persuasive architecture” and “persuasive communities”—web design on the fundamental level of interface layout and tightly-controlled restrictions on discourse and community membership—as key components of this strategy. In addition, I argue that evangelical ideology has been influenced by the web medium and that a “digital reformation” is taking place in the church, one centered on a move away from the Prosperity Gospel of televangelism to a Gospel focused on God as divine problem-solver and salvation as an uncomplicated, individualized, and instantaneously-rewarding experience, mimicking Web 2.0 users’ desire for quick, timely, and effective answers to all queries. This study simultaneously illuminates the structural and fundamental levels of design through which the web persuades as well as how—as rhetoricians from Plato’s King Thamus to Marshall McLuhan have recognized—media inevitably shapes the message and culture of its users.”

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**“RANDOMNESS, UNCERTAINTY, AND ECONOMIC BEHAVIOR: THE LIFE OF MONEY IN
EIGHTEENTH-CENTURY FICTION**

Paper ID – 1206

**A paper presented by: *Dr.M.Latha, Associate professor,
Department of English, KL Deemed to be University, Vaddeswaram***

Abstract:

“My dissertation argues that fiction produced in England during the frequent financial crises and political volatility experienced between 1770 and 1820 both reflected and shaped the cultural anxiety occasioned by a seemingly random and increasingly uncertain world. The project begins within the historical framework of the multiple financial crises that occurred in the late eighteenth century: seven crises took place between 1760 and 1797 alone, appearing seemingly out of nowhere and creating a climate of financial meltdown. But how did the awareness of economic turbulence filter into the creative consciousness? Through an interdisciplinary focus on cultural studies and behavioral economics, the dissertation posits that in spite of their conventional, status quo affirming endings (opportunists are punished, lovers are married), novels and plays written between 1770 and 1820 contemplated models of behavior that were newly opportunistic, echoing the reluctant realization that irrationality had become the norm rather than a rare aberration. By analyzing concrete narrative strategies used by writers such as Frances Burney, Georgiana Cavendish, Hannah Cowley, and Thomas Holcroft, I demonstrate that late eighteenth-century fiction both articulates and elides the awareness of randomness and uncertainty in its depiction of plot, character, and narrative.”

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**“SEEING SUBJECTS: RECOGNITION, IDENTITY, AND VISUAL CULTURES IN LITERARY
MODERNISM”**

Paper ID – 1207

**A paper presented by: *Dr.M.Latha, Associate professor,
Department of English, KL Deemed to be University, Vaddeswaram.***

Abstract

“*Seeing Subjects* plots a literary history of modern Britain that begins with Dorian Gray obsessively inspecting his portrait’s changes and ends in Virginia Woolf’s visit to the cinema where she found audiences to be “savages watching the pictures.” Focusing on how literature in the late-19th and 20th centuries regarded images as possessing a shaping force over how identities are understood and performed, I argue that modernists in Britain felt mediated images were altering, rather than merely representing, British identity. As Britain’s economy expanded to unprecedented imperial reach and global influence, new visual technologies also made it possible to render images culled from across the British world—from its furthest colonies to darkest London—to the small island nation, deeply and irrevocably complicating British identity. In response, Oscar Wilde, Joseph Conrad, T. S. Eliot, and others sought to better understand how identity was recognized, particularly visually. By exploring how painting, photography, colonial exhibitions, and cinema sought to manage visual representations of identity, these modernists found that recognition began by acknowledging the familiar but also went further to acknowledge what was strange and new as well. Reading recognition and misrecognition as crucial features of modernist texts, *Seeing Subjects* argues for a new understanding of how modernism’s formal experimentation came to be and for how it calls for responses from readers today.”

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**NATION, FANTASY, AND MIMICRY: ELEMENTS OF POLITICAL RESISTANCE IN
POSTCOLONIAL INDIAN CINEMA”**

Paper ID – 1208

**A paper presented by: *Dr.M.Latha, Associate professor,
Department of English, KL Deemed to be University, Vaddeswaram***

Abstract

“In spite of the substantial amount of critical work that has been produced on Indian cinema in the last decade, misconceptions about Indian cinema still abound. Indian cinema is a subject about which conceptions are still muddy, even within prominent academic circles. The majority of the recent critical work on the subject endeavors to correct misconceptions, analyze cinematic norms and lay down the theoretical foundations for Indian cinema. This dissertation conducts a study of the cinema from India with a view to examine the extent to which such cinema represents an anti-colonial vision. The political resistance of Indian films to colonial and neo-colonial norms, and their capacity to formulate a national identity is the primary focus of the current study.”

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**“THE BOETHIAN VISION OF ETERNITY IN OLD, MIDDLE, AND EARLY MODERN ENGLISH
TRANSLATIONS OF DE CONSOLATIONE PHILOSOPHY”**

Paper ID – 1209

**A paper presented by: *Dr.M.Latha, Associate professor,
Department of English, KL Deemed to be University, Vaddeswaram.***

Abstract

“While this analysis of the Old, Middle, and Early Modern English translations of De Consolatione Philosophiandamp;aelig; provides a brief reception history and an overview of the critical tradition surrounding each version, its focus is upon how these renderings present particular moments that offer the consolation of eternity, especially since such passages typify the work as a whole. For Boethius, confused and conflicting views on fame, fortune, happiness, good and evil, fate, free will, necessity, foreknowledge, and providence are only capable of clarity and resolution to the degree that one attains to knowledge of the divine mind and especially to knowledge like that of the divine mind, which alone possesses a perfectly eternal perspective. Thus, as it draws upon such fundamentally Boethian passages on the eternal Prime Mover, this study demonstrates how the translators have negotiated linguistic, literary, cultural, religious, and political expectations and forces as they have presented their own particular versions of the Boethian vision of eternity. Even though the text has been understood, accepted, and appropriated in such divergent ways over the centuries, the Boethian vision of eternity has held his Consolations arguments together and undergirded all of its most pivotal positions, without disturbing or compromising the philosophical, secular, academic, or religious approaches to the work, as readers from across the ideological, theological, doctrinal, and political spectra have appreciated and endorsed the nature and the implications of divine eternity. It is the consolation of eternity that has been cast so consistently and so faithfully into Old, Middle, and Early Modern English, regardless of form and irrespective of situation or background. For whether in prose and verse, all-prose, or all-verse, and whether by a Catholic, a Protestant, a king, a queen, an author, or a scholar, each translation has presented the texts central narrative: as Boethius the character is educated by the figure of Lady Philosophy, his eyes are turned away from the earth and into the heavens, moving him and his mind from confusion to clarity, from forgetfulness to remembrance, from reason to intelligence, and thus from time to eternity.”

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**“THE ELECTRONIC EDITION AND TEXTUAL CRITICISM OF AMERICAN MUSICAL
THEATRE”**

Paper ID – 1210

**A paper presented by: *Dr.M.Latha,Associate professor,*
Department of English, KL Deemed to be University, Vaddeswaram.**

Abstract

“For many, contemporary theatre is represented by the musical. The form remains, however, virtually unstudied by literary scholars. In part, this may be a result of the difficulty of accessing the texts. Reading a musical from a traditional codex is no easy matter. The integration of text and music in a musical make it inappropriate to separate the two. One can try to follow along with a cast recording. In most cases, though, this is awkward. Many cast albums record a significantly modified version of the score and lyrics and few include the entire work. Further, musical theatre texts often exist in many different versions. This work begins with a summary of the problems one encounters when editing a multi-authored text (musicals often have a lyricist, librettist, and composer) which may be revised for practical (rather than aesthetic) reasons. The merits of restoring the material changed during the production process are debated. In this discussion some attempt is made to identify who should be considered the dominating collaborator (or auteur) of a musical. Ultimately, this dissertation argues that the notion of trying to restore an "authorial Ur-Text" makes little sense given the multitude of collaborators involved in the process of making musicals. Instead, an electronic variorum edition is presented as an alternative means of studying and teaching musical theatre texts. The study concludes with a narrative of the authors own work on an electronic edition of the 1998 Broadway musical Parade and ends with a critical introduction to this text.”

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THE –TRANSPORTATION AND TRANSPORTATION PHASE (UPTO1813)

Paper ID – 1211

**A paper presented by: Prof. Sabith K. Francis,
Professor,
Department of English, KL Deemed to be University, Vaddeswaram.**

Abstract

The paper focuses on Dr. Krishna Swamy's expressions of how Aryans came and settled in the Indian sub-continent. The paper focuses on how the pre-Aryan people too moved towards the east and the south. Further, it discusses the Persian and Greek influences of the Indian subcontinent.

Keywords: Aryans, Greeks, India, Persians

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THE ADVENT OF ENGLISH LANGUAGE INTO INDIA

Paper ID – 1212

A paper presented by: Prof. Sabith K. Francis,
Professor,
Department of English, KL Deemed to be University, Vaddeswaram.

Abstract

The paper focuses on Arvind Krishna Mehrotra, the well-known Indian poet of Oxford University, who has very intuitively come to the conclusion with that the introduction of the English language in India has wrought changes in every aspect of the modern history of the nation. In his opinion, it is the single most consequential element that changed the very outlook of modern Indian history.

Keywords: English, India, history

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INVARIABLE CHARACTERISTICS OF ENGLISH FOR SPECIFIC PURPOSES

Paper ID – 1213

A paper presented by: Prof. Sabith K. Francis,
Professor,
Department of English, KL Deemed to be University, Vaddeswaram.

Abstract

The paper focuses on invariable characteristics of ESP

ESP may be related to or designed for specific disciplines; ESP may be used, in specific teaching situations, a different methodology from that of English; ESP is likely to be designed for adult learners, either at a tertiary level institution or a professional work situation. It could, however, be used for learners at a secondary school level; and, ESP is generally designed for intermediate or advanced students. Most ESP courses assume basic knowledge of the language system but it can be used with beginners.

Keywords: English, ESP

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READING IS A COMPLEX COGNITIVE PROCESS

Paper ID – 1214

A paper presented by: Prof. Sabith K. Francis,
Professor,
Department of English, KL Deemed to be University, Vaddeswaram.

Abstract

The paper focuses on how Reading is a complex cognitive process of decoding symbols meant for deriving the meaning (comprehension) and/or constructing meaning. Reading can also be defined as a means of language acquisition of communication, and of sharing information and ideas. Further the paper projects readers use a variety of reading strategies to assist them with decoding (to translate symbols into sounds or visual representations of speech, and comprehension). They may use morpheme, semantics, and syntax and context clues to identify the meaning of unknown words. They also integrate the words they have read into their existing framework of knowledge or schema described through the schemata theory proposed by a few language experts.

Keywords: English, Reading, schema.

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ADVANTAGE OF GENERAL READING

Paper ID – 1215

A paper presented by: Prof. Sabith K. Francis,
Professor,
Department of English, KL Deemed to be University, Vaddeswaram.

Abstract

The paper focuses on General Reading is volitional to many people. People are curious to know day-to-day happenings around the world and in their immediate locations. However, a reader is generally selective, and more so, it may not be possible to read everything that a reader comes across in day to day life. The paper further says a reader chooses reading material according to his/her own interests, hobbies, and personal appeal. However, it is not an automatic consequence of education. The reading process should be carefully cultivated, nurtured and developed into an individual's intellectual arena. Explicit teaching of reading as skill develops discrimination which Francis Bacon considered as an essential quality of good reading.

Keywords: General, reading, pleasure

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READING AT PRIMARY SCHOOL LEVEL

Paper ID – 1216

A paper presented by: Prof. Sabith K. Francis,
Professor,
Department of English, KL Deemed to be University, Vaddeswaram.

Abstract

The paper focuses on Reading an ability on the part of the child to use the language to read, and the child's desire to learn is kindled and fed in many ways in an active way. The paper further discusses the reading environment should reflect their interests and include a variety of activities. The reading activities must be coupled with suitable techniques.

Keywords: General, reading, pleasure

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PURPOSE OF STUDYING PROFESSIONAL COURSES

Paper ID – 1217

A paper presented by: Prof. Sabith K. Francis,
Professor,
Department of English, KL Deemed to be University, Vaddeswaram.

Abstract

The paper focuses on the very purpose of studying professional or technical courses is to gain expertise by setting the path in the direction of professionalism and efficiency in one's career. It highlights the prerequisites of a successful professional. He should have adequate communicative language ability, both oral and written. Reading competence plays a key role in making sense of her/his communicative language ability.

Keywords: reading, professional, communication

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READING THROUGH INFORMATION TECHNOLOGY ENABLED SERVICES (ITES)

Paper ID – 1218

A paper presented by: Prof. Sabith K. Francis,
Professor,
Department of English, KL Deemed to be University, Vaddeswaram.

Abstract

The paper focuses on the phrase Information Technology (IT). It refers to the creation, gathering, processing, and storage of information. The livery of information, the process and devices make this possible. It also envisages that Information technology can process raw data into useful information. The English teacher ought to have the information on handling the technology.

Keywords: ITES, IT, English. Teacher

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**INDIAN EDUCATION SYSTEM: ROLE OF ENGLISH
PROF.SABITH K.FRANCIS,**

Paper ID – 1219

A paper presented by:Dr. A. Pavani Professor,
Department of English, KL Deemed to be University, Vaddeswaram.

Abstract

The paper focuses on how India follows the pattern of 10+2+3 up to graduation. The school education and Intermediate or +2 level are under the jurisdiction of the respective state governments. The tertiary education of 3 years, the post-graduation and research are controlled by the University Grants Commission (UGC). The professional and technical courses are managed by respective professional bodies like All India Council of Technical Education (AICTE) and All India Medical Council (AIMC). To understand the role of English in delivering these courses, a detailed discussion on them with reference to the materials and the methodologies of teaching and testing is imperative.

Keywords: English, India, the education system

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.ROLE OF ENGLISH IN PRIMARY SCHOOLS

Paper ID – 1220

A paper presented by: Prof. Sabith K. Francis,
Professor,
Department of English, KL Deemed to be University, Vaddeswaram.

Abstract

The paper focuses on the present situation of the decision of the present Chief Minister (2019) has been focusing to make all the Primary Schools into English medium schools in Andhra Pradesh. The paper discusses the advantages and disadvantages of the implementation.

Keywords: English, Primary schools, medium

**MAN WITH HEROIC DEEDS IN SURENDRA MAHANTY'S *ANDHA DIGANTHA(DARKNESS
BEFORE DAWN)***

Paper ID – 1221

**A paper presented by: *Dr.A.PAvani*,
Department of English, KL Deemed to be University, Vaddeswaram.**

Abstract

Nidhi Das, the protagonist of the novel is portrayed as a real hero in this novel. He gave shelter to Gowri who was conceived during her stay in the Ashram. When the villagers criticised and banished her, he announces that she is her wife. By saying that he takes her to his house where he was also banished. He very strongly and positively accepts all the punishment and accepts Nidhi along with her son Niru.

Though he announces in public about Gowri that she is his wife, he treats her as a sister and takes care of her. Hence, Nidhi is shown as a role model in this novel

Key words: Andha Digantha, Nidhi Bhai, Gowri and Son, Protagonist, Conceived, Criticised, banished, Positive.

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THE STRANGE CASE OF BILLY BISWAS - ARUN JOSHI

Paper ID – 1222

**A paper presented by:Dr.A.PAvani,
Department of English, KL Deemed to be University, Vaddeswaram.**

Abstract:

Arun Joshi is an exceedingly significant novelist in the Contemporary English Literature. His fictions demonstrate the universal lessons of our culture and spiritual heritage that might have been temporarily relegated to the background but are still relevant despite the materialism and rapid westernization of our country. *The Strange Case of Billy Biswas* is about search for meaning in life. It is not only about the male female embodiment of human spirit. Billy takes to anthropological expeditions to various parts of India with his students. During such, he disappears in Manikala hills in Central India. Through this novel Arun Joshi showcases how people adjust themselves and tolerate the pain of loss and disappointment of life and love. Hence, the theme of the novel is majorly on family, individual isolation and relationship towards the peers in the community.

Key words: Spiritual heritage, Materialism, Westernisation, Independence, Embodiment, Community.

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SWAMI VIVEKANANDA'S REFLECTIONS ON EDUCATION

Paper ID – 1223

**A paper presented by: *Dr.A.PAvani*,
Department of English, KL Deemed to be University, Vaddeswaram.**

Abstract

Swami Vivekananda is against the present education. He was against the present system of education in his stories also. He strongly believes that the main cause of the unrest in the educational institution is the lack of relation between knowledge and reality. Due to the lack of knowledge, the nations are running forward towards the scientific bliss with no time to look within and always engaged in looking without. He not only spoke about education, but upon the physical fitness. That is the reason why he mentioned to stress upon the athletics for manual energy which makes man physically fit and also empowers the dignity of labour. He also states that education is not only concerned with mental or physical power but also with the morals of life that is the character building. It also should be correlated with the religion and culture. So as to promote a harmonious life.

Keywords: Education, Reality, Culture, Harmonious.

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THAT LONG SILENCE - SHASHI DESHPANDE'S WOMEN VICTIMS - AN ANALYSIS

Paper ID – 1224

**A paper presented by: *Dr.A.Pavani, Asst., Professor,*
Department of English, KL Deemed to be University, Vaddeswaram.**

Abstract

That Long Silence is a reflection of catastrophic conditions of women in the male dominated society of patriarchal world. The women treat it as destiny and struggle with the male domination. Shashi Deshpande epitomises the women who bear all the insults, injuries, humiliation with a stoic patience without any rebellious voice or acts.

Hence the writer very bravely narrates the sufferings of women so as to streamline the living status of woman as a solution through her writings. She reflects the women characters as the paragon and happy intellectual in order to uplift her value in society through her idealistic vision in her novels.

Key words: Catastrophic, Patriarchal, stoic patience, sufferings.

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JAYANTH KHATRI SHORT STORIES – DHAADA

Paper ID – 1225

A paper presented by:

Dr.A.Pavani,Asst.,Professor,

Department of English, KL Deemed to be University, Vaddeswaram.

Abstract

The most popular and highly appreciated short stories of Jayanth Katri are *Lohinu Tipu, Dhaad, Aarsi, Khara Bapor. Dhaad* is entitled as *The Outlaw*, which is also screened into a Gujarathi *Kachchi* movie. It's a story of a dacoit named Ghela, who believes in the power of gun for survival. He is merciless. The story takes a turning point when he becomes sick due to heart stroke to Ghela. The situation deteriorates to such a level that he is totally paralysed, his left side body fails, and he also loses his power of speech. After two days of the dacoity Ghela dies.

Key words: Gujarathi, Merciless, Dacoit, Outlaw.

STRATEGIES OF RC PASSAGES

Paper ID – 1226

**A paper presented by: *Dr.A.Pavani, Asst., Professor,*
Department of English, KL Deemed to be University, Vaddeswaram.**

Abstract

To comprehend means to get ideas from the text. Hence RC passage means to read and get the idea from the text. Hence RC passages have many strategies involved in the process. One should keep in mind the terms like main idea, theme, tone of the author, specific data, and so on to understand and find out what is the passage about. Hence, with the help of reading categories like skimming, scanning, extensive and intensive reading patterns. Hence, this paper focuses on the reading patterns and how those skills help to induce the text.

Key words: Main idea, theme and tone, Specific data, Skimming, Scanning, Extensive and Intensive Reading.

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**“KNOWING AND BEING KNOWN: SEXUAL DELINQUENCY, STARDOM, AND ADOLESCENT
GIRLHOOD IN MIDCENTURY AMERICAN FILM”**

Paper ID – 1227

A paper presented by:

Dr.M.Latha, Associate professor,

Department of English, KL Deemed to be University, Vaddeswaram.

Abstract

“Sexual delinquency marked midcentury cinematic representations of adolescent girls in 1940s, 50, and early 60s. Drawing from the history of adolescence and the context of midcentury female juvenile delinquency, I argue that studios and teen girl stars struggled for decades with publicity, censorship, and social expectations regarding the sexual license of teenage girls. Until the late 1950s, exploitation films and B movies exploited teen sex and pregnancy while mainstream Hollywood ignored those issues, struggling to promote teen girl stars by tightly controlling their private lives but depriving fan magazines of the gossip and scandals that normally fueled the machinery of stardom. The emergence and image of the postwar, sexually autonomous teen girl finally began to see expression in mainstream melodramas of the late 50s, and teen girl stars such as Sandra Dee and Natalie Wood created new, “post-delinquent” star images wherein “good girls” could still be sexually experienced. This new image was a significant departure from the widespread belief that the sexually active teen girl was a fundamentally delinquent threat to the nuclear family, and offered a liberal counterpoint to more conservative teen girl prototypes like Hayley Mills, which continued to have cultural currency.”

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