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Address:
22, First Floor, ShivLoke Phase-IV,
Khajuri Kala, BHEL-Piplani, Bhopal (M.P.)-462021, India
Website: www.blueeyesintelligence.org
Email: director@blueeyesintelligence.org, blueeyes@gmail.com
Cell #: +91-9669981618, **WhatsApp #:** +91-9669981618, **Viber #:** +91-9669981618
Skype #: beiesp, **Twitter #:** beiesp

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1.

Authors: K. Vijay Kumar R.Rajeshwara Rao

Paper Title: Improvement in Efficiency of Recognition of Handwritten Telugu Script

Abstract: In this paper we discuss Multi-Layer Perceptron (MLP)networks for recognition of handwritten Telugu Characters (HTCR). For training of MLP networks error back propagation algorithm is used. We present an automatic HTCR system using MLP networks. Many techniques have been used to recognize Telugu characters but accuracy of recognition is not so much efficient as efficiency of recognition of other scripts. Multilayer Perceptron neural network is used for recognition of characters of other scripts. We would like to use MLP for HTCR so that recognition can be done accurately and efficiently.

Keywords: Handwritten Telugu character recognition (HTCR), Optical character recognition (OCR), Handwritten character recognition (HCR) multilayer Perceptron (MLP) neural network.

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18. Rajasekaran S.N.S. Deekshatulu B.L. 1977 Recognition of printed Telugu characters. Comput. Graphics Image Processing,6 pgs.335–360.
19. Rao P. V. S. & T. M. Ajitha 1995 Telugu Script Recognition - a Feature Based Approach. Proce.of ICDAR, IEEE pgs.323-326,. Figure 3: Symbol set for Telugu

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2.

Authors: CH. V. S. Suryanarayana, M. V. S. N. Maheshwar, K. Prudvi Raju

Paper Title: Enhanced Authentication in Open ID Against Phishing Attacks

Abstract: Multiple factors for authorization and authentication are essential for security of any software. To design and implement an Educational Academy Automation Software using OpenID and Role Based Authentication (RBA) System as dual layer of secure authentication techniques to ensure that only authentic users can access the predefined roles as per their Authorization level. But the OpenID authentication suffers from phishing attacks. How the OpenId is affected by Phishing attack and technique to block phishing attack in OpenID authentication procedure are addressed.

Keywords: OpenID, RBA, Phishing.

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Authors: Geethanjali Marri, P. Sri Padma, Ch. Ganapathi Reddy

Paper Title: On $|V,\lambda|_k$ Summability Factors of Fourier Series

Abstract: In this paper a general theorem concerning the $|V,\lambda|_k$ summability factors of Fourier series has been proved.

3.

Keywords: $|V,\lambda|_k$ Summability, Fourier series, Summability factors.

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4.

Authors: **P. Sreenivasa Rao, M. Janani, P. Chenna Reddy**

Paper Title: **TFRC for Congestion Control in Wired Environment**

Abstract: The applications for which Internet is used has changed over the years. File transfer and e-mail are no longer the dominant applications of Internet. Multimedia streaming is one of the applications which is generating lot of revenues in Internet market. For these type of applications congestion has to be controlled. TCP has congestion control mechanisms but has lot of overhead associated with it making it not suitable for multimedia applications. UDP has no congestion control mechanisms and can lead to instability in the network. TCP Friendly Rate Control (TFRC) is a new protocol designed by Internet Engineering Task Force (IETF). It has congestion control mechanisms which enable it to be fair with TCP and prevents UDP from using its share of the bandwidth. In this paper performance of TFRC is compared with TCP and UDP in wired environment.

Keywords: TFRC, TCP, UDP, ns-2.

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5.

Authors: **Damoah Dominic, Freda Hounkponou, Ronky Doh, Edward Ansong, Agyemang Brighter**

Paper Title: **Promoting Physical Activity through Persuasive Technology**

Abstract: The purpose of this project was to improve physical activity with the use of persuasive technology. The principal objectives were to study the need for physical activity; its challenges and opportunities. To examine the barriers and challenges in using persuasive technology for physical activity promotion. To study the issues of physical activity and propose a persuasive technology that can be used effectively by all types of individuals regardless of the age. The major findings derived from this study suggest that a lot of people have not been exercising even though they know the great benefits of physical activity. Based on the above mentioned problem I proposed a conceptual model to help change behavior by choosing the right technology for the right set of people.

Keywords: Interactivity, Physical Activity, Persuasive Technology, Behavior Change, Psychology, Human Computer Interaction.

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6.

Authors:	**Ravindra P. M, Nagaraja P. S**
Paper Title:	**An Analytical Investigation on Deflections of Pratt Pattern Bridge Truss Posttensioned with External Tendons**

Abstract: Majority of the existing steel truss bridges all over the world are very old and more than 80 % of them inventoried in the United States are structurally deficient and/or functional obsolete. There is a need to strengthen these bridges in order to fulfill the present and future loading and traffic requirements. Posttensioning is one of the potential techniques to enhance the performance of these old steel bridges, as it creates redundancy in the structure and also, it is a simple, easy and economical method. In the present analytical study, determinate Pratt pattern of truss is posttensioned with external tendon layouts located below the bottom chord and their effectiveness in reducing deflection is studied. Stiffness matrix for truss member and two-drape tendon are formulated. Posttensioned truss analysis is carried out in three stages: in first stage, for dead loads, in the second stage for dead loads and posttensioning loads and further in the last stage for other loads. The final deflections are obtained by superimposing the results of second and the third stage. External posttensioning reduced deflection and the reduction is more with the increase in distance between the bottom chord and the tendon. When compared to internal posttensioning along the bottom chord, external posttensioning is more effective in reducing deflections.

Keywords: Bridges, Chord, Deflection, Posttensioning, Redundancy, Tendon.

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Authors:	**Amol Bhanage**
Paper Title:	**Design Simulation Comparison of Mono Leaf Spring Using SAE 1045 – 450– QT and E- Glass Epoxy Materials for Automotive Performance**

Abstract: This paper presents comparative simulation results of E-Glass Epoxy mono composite leaf spring for different layup as well for different thickness condition. First, simulation results have been performed for SAE 1045-450-QT steel material from weight saving and stress reduction point of view. Secondly, comparative simulation analysis performed between [0-45-(-45)-90-0], [0-45-(-45)-0], [0-0-45-(-45)-0] and [0-45-90] layup with different thickness from 9 mm, 10 mm, 12 mm, 13mm and 15 mm , considered according to selection of each layup thickness.

	The design and comparative simulation analysis was done in ANSYS Software. Similar mechanical properties for EGlass epoxy composite material were considered for all simulation procedure. The design constraints and meshing were also being similar for all conventional and composite models of leaf spring. Design and simulation results were predicted by considering linear static analysis and presented.	
7.	**Keywords:** E-Glass Epoxy Composite, Layup, Simulation, ANSYS.	**29-33**

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8. M.Venkatesan , D.Helmen Devaraj," Design And Analysis Of Composite Leaf Spring In Light Vehicle", International Journal of Modern Engineering Research (IJMER), Vol.2, Issue.1, Jan-Feb 2012, ISSN: 2249-6645, pp-213-218.