



Message from the President



It is a matter of great pride that Jain University is launching an e-newsletter for its Doctoral Scholars. This will be an important platform to exchange ideas and information among the community of research scholars at Jain University.

We at Jain University, accord top priority to quality research in interdisciplinary domains. Our dedicated Research Centres and Doctoral Students have made important contributions to the 'world of ideas and knowledge'. I do hope that the Newsletter will help disseminate the same amongst the research community.

My best wishes to THINKLET and my congratulations to the entire team behind the initiative.

Dr. Chenraj Roychand
President, Jain University Trust

Connecting Thinkers...

Message from the Chancellor

Launching an e-newsletter for research studies and guides by Jain University is an excellent initiative. As the name "THINKLET" indicates, it is expected that the contributors through their letters/articles will express freely their thoughts and ideas. The newsletter shall serve as excellent media for sharing ideas and stimulate discussions on research topics, methodology and processes, adequacy of facilities, interdepartmental co-operation and such issues. It will also enable us to select some ideas to focus for presentation by experts during the annual Research Retreats.

I congratulate Dr. Sandeep Shastri, Pro Vice-Chancellor, Jain University and the team for providing leadership for planning and managing of the e-newsletter "THINKLET" and wish great success for this initiative.

Dr. C.G. Krishnadas Nair
Chancellor, Jain University

Message from the Vice-Chancellor

It gives my great pleasure to congratulate Dr. Sandeep Shastri and his team at CERSSE for bringing out this newsletter. This initiative is designed to be a platform for research scholars and guides to interact and exchange ideas and to further explore new areas and arenas for research. I request the Jain University research scholars to take advantage of this opportunity and I am sure that this effort will help our university in achieving new heights in interdisciplinary research. I wish the team all the best.

Dr. N. Sundararajan
Vice-Chancellor



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Message from the Pro Vice-Chancellor

The idea of a Newsletter focused on the research scholars of Jain University has been discussed for well over a year now. Finally, we commence 2015, with the release of the First edition of the Monthly Newsletter – THINKLET. The entire approach, design, content and name of the Newsletter was designed by the Research Team managing the Ph.D Programme and my sincere congratulations to each and every one of them. This effort, would need the support, encouragement and contribution of the other members of the Jain University family in the months to come.

I would encourage the Doctoral Scholars to contribute to the Newsletter and share information which they deem useful, with their fellow researchers. We hope this Newsletter becomes an important tool for scholars to connect and stay in touch.

Would like to take this opportunity to thank the President of the Jain University Trust, Chancellor of the University, the Vice-Chancellor, Registrar, Deans, Directors, Principal Officers, Members of the Board of Management, Planning and Monitoring Board, Academic Council, Guides and Faculty of Jain University for their unqualified support and encouragement in taking the research initiatives of the University forward.



*Dr. Sandeep Shastri
Pro Vice- Chancellor*

Editors' Message



We are very happy to welcome you to our research newsletter THINKLET in this New Year. We at CERSSE have taken this step to bring together the diverse disciplines and specializations of our Jain University research community. We foresee this newsletter as one of the many opportunities that our research scholars and supervisors have to not only exchange ideas but also explore newer vistas of research.

We would like to congratulate our editorial team Nayantara Kurpad, Divya Gangadar, Monica Chauhan and Azhar Khan C.A for their ideas, enthusiasm and effort to plan and bring out this newsletter. We thank our mentors for encouraging us in this effort and would like to extend a special thanks to Dr. Sandeep Shastri for giving the research scholars this opportunity for interaction.

Our team plans to carry out a special section in the newsletter which will highlight the activities of each of the research centres at Jain University. Every month the focus will be on one such centre, bringing to you their research activities and people associated with the centre. This month we bring to you the activities of Centre for Research in Social Sciences and Education, which is also where the newsletter is hosted at.

We encourage all our research scholars to avail this platform to showcase their research work and ideas. We would be happy to publish your contributions/ write-ups about your research and also news related to publications/ registration of patents and any other news related to your research work. We will have from the next issue a Dean's Corner and a Guide's Reflections also. We hope that you all make this endeavour a success. Please write to us at thinklet@jainuniversity.ac.in.



*Dr. Mythili P. Rao
Dr. Reetika Syal*

A Study on Public Perception towards M-Payment

Researcher defines M-commerce as “Making the payments through mobile phones for transaction”. In broader sense transaction includes purchase of Goods, Services and Money Transfer. M-commerce examines the delivery of reliable transaction services over mobile devices for the exchange of goods and services between consumers, financial institutions, and merchants. M-commerce broadly classified in to M-Payment, M-Transaction, M-Money and M-Banking. M-Payment is also known as next-generation e-commerce or M-commerce. It enables users to access the Internet wirelessly. The emerging technology behind M-commerce is based on the Wireless Application Protocol (WAP). The various common reasons for using M-Payment are as follows Portable, Faster, Secured, Convenience, and 24/7 usage. This reason varies according to their psychological behavior.

The major objectives of the study are as follows:

To understand public perception about M- Commerce

To identify different individual needs relevant to M- Commerce

To Help individual customer to examine what benefits they could derive from Mobile commerce

In India use of mobile technology has become widespread with amazing speed. M- Commerce enables the Bank's clients to make their payments through mobile phones. Mobile Commerce acceptance procedures mainly depend on the cost, security, and convenience. This study covers the Public understanding about the M-Commerce, their needs and examines the benefits they get over the conventional payment methods. This study also investigates various purposes and preference for using M- Commerce.

In India, use of mobile phones is widespread .In this light, M-commerce has gained much attention

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Emergence of the Feminist from the Feminine in The Late Victorian Fiction; A study of fiction by Thomas Hardy, Mary Braddon and Sarah Grand

This research was an outcome of the sustained interest to work on feminine and feminist concerns in Late Victorian fiction which prompted me to link Thomas Hardy, the much studied novelist of the era with two other lesser known novelists Mary Braddon and Sarah Grand. The survey facilitated to comprehend the Victorian period as significant in the development of fiction fuelled by the emergence of a self consciously political feminist movement. It helped to unravel findings that had not been ventured upon previously the study shows how the novels alert us to the visible complexities of the practice of dominant ideology and its repercussions. They are ripe for feminine and feminist discussion because of their bold forging ahead not only in terms of theme and characterization but also in terms of genre, theme and style.

The study corroborates the importance of understanding the Victorian texts in the 21st century for it helps to bear out that despite the transformations that have occurred in our meaning of the feminine and the feminist

The writers attempt at eroding stereo types and myths and prove writing as a place where transgression and subversion germinate. Strong compulsion to revive the lesser known feminine voices silenced by the patriarchal apparatus of the era was fruitful because it exposed me to the innumerable individual and collective feminine creativity. The study corroborates the importance of understanding the Victorian texts in the 21st century for it helps to bear out that despite the transformations that have occurred in our meaning of the feminine and the feminist. The fact remains that a Hardy or a Braddon or a Grand's project is vital in its understanding of the relevance of Victorian culture to current practices and values.

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Dr. Prakrithi was among the first four research students to be awarded their Ph.D at the 2013 Convocation.

Effect Of Angle Of Attack On Damping Derivative Of An Oscillating Supersonic Delta Wing With Curved Leading Edges

The effect of angle of incidence on Damping derivative of a delta wing with Curved leading edges for attached shock case in Supersonic Flow has been studied. A Strip theory is used in which strips at different span wise location are independent of each other. This combines with similitude to give a piston theory which gives closed form solutions for damping derivatives at low supersonic to high supersonic Mach numbers. Various graphs have been plotted and it is seen that with the increase in the Mach number, there is a continuous decrease in the magnitude of damping derivatives for all the Mach number tested, however, the magnitude of decrement for different inertia level will differ.

It was observed that with the shift of the pivot position from the leading edge to the trailing edge, the magnitude of the damping derivatives continue to decrease progressively

It is seen that with the increase in the angle of attack the damping derivative increases linearly, nevertheless, this linear behavior limit themselves for different Mach numbers. For Mach number $M = 2$, this limiting value of validity is fifteen degrees, for Mach 2.5 & 3, it is twenty five degrees, whereas, for Mach 3.5 & 4 it becomes thirty five degrees, when these stability derivatives were considered at various pivot positions; namely at $h = 0.0, 0.4, 0.6,$ and 1.0 . After scanning the results it was observed that with the shift of the pivot position from the leading edge to the trailing edge, the magnitude of the damping derivatives continue to decrease progressively. Results have been obtained for supersonic flow of perfect gases over a wide range of angle of attack and Mach number. The effect of real gas, leading edge bluntness of the wing, shock motion, and secondary wave reflections are neglected.

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Dr. Asha Crasta was awarded the Gold Medal for The Best Ph.D Student at the 2014 Convocation

Factors That Motivated Me To Register For Formal Research Programme

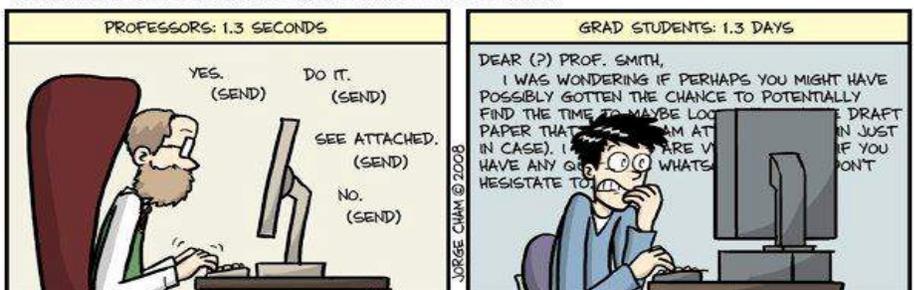
‘Form Follows Function’ has always been the cardinal engineering principle I have believed in. This belief paved way for my entry into construction industry where the diversified facets of construction industry taught me what actual execution of a project involves. With about three decades of work experience as a hard core Civil Engineer involving many national and multi-national projects of prestige, I realised, apart from adopting emerging technologies, construction mechanization etc to gain optimum results and resource productivity, there is a larger picture, as a nation builder, a Civil Engineer has to conceptualize in developing a sustainable future. This quest initiated me to take up study on Green Buildings, Emerging Construction Technologies, Modern Equipment, Construction Mechanisation, Emerging Concrete Trends and technologies, High Performance Buildings (tall structures and other infrastructure buildings) for sustainable future.

The need of the hour is to strike a balance between the ever expanding human need, economic development, recycled materials and the ecological symphony.

There are several complexities involved in assessing the impact of embodied energy of construction materials that go into tall structures and other infrastructure projects. The proposed research takes into account the complexity involved in the design, advanced construction techniques, modern construction equipment, high performance construction materials, building automation, in terms of durability, strength, energy efficiency, and the impact of embodied energy as essential sustainability factors. The investigation will also consider the impact of embodied energy of materials used in construction activity including the cost, the source, possibility of recycling, the maintenance and the possible disposal at the end of building’s active lifetime. In conclusion, the research is intended that the outcome will bridge the gap in the construction of high performance infrastructure with sustainable engineering.

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AVERAGE TIME SPENT COMPOSING ONE E-MAIL



RESEARCH ACTIVITIES

“The highest education is that which does not merely give us information but makes our life in harmony with all existence.”

Rabindranath Tagore

Skill Development

Twelve Skill Development Workshops Conducted for M.Phil and Ph.D students in the year 2014.



Synopsis Presentations

A total of 273 synopsis presentations were made in the year 2014.

Convocation 2014

Nineteen Doctoral Scholars received their Ph.D Degrees at the 2014 Convocation.



Research Retreat

We have planned a Research Retreat on January 31st and February 1st, 2015 for all our Ph.D guides and students who have completed course work.

Team Thinklet

Chief Editors: Dr. Mythili P. Rao
and Dr. Reetika Syal

Editorial Team: Nayantara Kurpad,
Divya Gangadar, Monica Chauhan,
and Azhar Khan C.A

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Key Activities in 2014

•As the South Centre of Lokniti, coordinated the training programmes for NES 2014 in South India and carried out the survey in Karnataka, besides a range of Pre-Poll Surveys

•Undertook the field work and data analysis for three major ICSSR projects

•Completed the Consultancy Projects of the Forum of Federations on Capacity Building for Transition to Democracy in Myanmar

•Completed the Consultancy Project on Measuring Happiness with the Japan International Consultancy Agency (JICA)

•Conducted Monthly research presentations where Faculty presented work in progress

•Conducted the 6th Annual Two week Residential Summer School in Quantitative Methods

•Faculty publications include one book, two chapters in edited books, six articles in refereed journals, nine international conference/workshop presentations/special lectures and sixty-two national conference/workshop presentations/special lectures .

ABOUT CERSSE

The Centre for Research in Social Sciences ad Education was established to promote research in select areas of Social Sciences and Education.

Vision

To undertake socially relevant research, consultancy and extension activities in the field of Social Sciences and Education.

Mission

- *To undertake research in the fields of Politics, Public Policy, Political institutions and Education*
- *To serve as a research centre for research in the field of comparative democracy, federalism, public policy and higher education*
- *To promote survey research in the field of Social Sciences*
- *To research on new teaching methodologies and disseminate the same through developing tool kits and conducting workshops and other outreach programs*
- *To offer courses, training programs and workshops in the field of Public Governance, Administration, Political Science and Teaching—learning process.*

Forthcoming Activities at CERSSE

•January 10th: Workshop on Preliminary data analysis.

• February 9th & 10th: Conference and report release of UNESCO chair project on Strengthening community engagement in higher education institution.

**Team CERSSE**

From L to R: Divya Gangadar, Dr. Monica Chauhan, Dr. Reetika Syal, Dr. Sandeep Shastri, Deepa Venkatesan, Mahalinga, Shyam Agilan, Azhar Khan, Nayantara Kurpad and Sridevi.

Team members not in the picture:
Dr. Mythili Rao & Mr. SreeKrishna

Articles for the next issue must
be sent in by **January 20, 2015**