



# Certificate

International Multidisciplinary Recognized Research Journal  
ISSN 2231-5063      Impact Factor 2.2052 (UIF)  
RNI: MAHMUL 2011/38887

## Golden Research Thoughts

This is to certify that our Editorial, Advisory, and Review Board Accepted Research Paper of Dr. /Shri. /Smt.: **Jitendra Pendharkar, Sheetal Thakare, Mahesh Warang and Anushri Tambe** Topic:- **Comparison Of Development Of Cognitive Beliefs And Brain Hemisphericity Dominance Amongst Different Branches Of Engineering Students Of Karjat And New Mumbai District** The Research paper is Original & Innovative it is Done Double Blind Peer Reviewed. Your Article is Published in The Month of **June** Year 2014



**Laxmi Book Publication**  
258/34, Raviwar Peth, Solapur-413005 Maharashtra India  
Contact Detail: +91-0217-2372010 / 9595-359-435  
e-Mail: ayisrj2011@gmail.com  
Website: www.isrj.net

Authorised Signature  
*T. N. Shinde*  
T. N. Shinde  
Editor-in-Chief



# Golden Research Thoughts

International Recognition Multidisciplinary Research Journal  
ISSN 2231-5063      Impact Factor : 2.2052 (UIF)  
DOI Prefix : 10.9780  
Journal DOI : 10.9780/22315063

ORIGINAL ARTICLE	Your Article QR Code
Received : 15 <sup>th</sup> May . 2014,	Published: 1 <sup>st</sup> June .2014
Vol. III, Issue : XII, June. 2014 <b>Comparison Of Development Of Cognitive Beliefs And Brain Hemisphericity Dominance Amongst Different Branches Of Engineering Students Of Karjat And New Mumbai District</b>	
	
See your article on Mobile	



==:Your article is deposited in:==					DRJI (India)
<b>GO ARTICLE</b> (United States)	<b>DOAJ</b> (Sweden)	<b>ZOTERO</b> (United States)	<b>GOOGLE SCHOLAR</b> (United States)	<b>CITULIKE</b> (United States)	<b>MY NET RESEARCH</b> (United States)
<b>DIGG</b> (United States)	<b>MENDALEY</b> (United Kingdom)	<b>DELECIOS</b> (United States)	<b>FIGSHARE</b> (United States)	<b>ENDNOTE</b> (Ireland)	<b>Easybib.Com</b> (United States)

**Correspondence to,**  
**Jitendra Pendharkar , Sheetal Thakare, Mahesh Warang and Anushri Tambe**  
 1 K J Somaiya College of Science and Commerce, Vidyavihar, Mumbai.  
 2 Lokmanya Tilak College of Engineering, New Mumbai.  
 3,4 Y T Institute of Engineering and Technology, Karjat.



Authorized Signature  
*Rajami Kota*  
Rajami Kota  
Review Editor

**How to Write Articles-**  
 Here are a few basic steps to take to craft an interesting, informative article.

**Method 1 of 3: Come Up With An Idea**

1. Get to know your audience. Decide who you need to write for before proceeding with planning or writing an article. Identify the needs of your readership. What do your readers need to know? How does your own knowledge match up against the information they need? This will be the easiest way for you to find a topic to write about
2. Be unique. If you are writing an article about something that other people are also writing about, try to be unique in how you approach the material
3. Be passionate. You should care about the topic you choose to write about. Your enthusiasm will show in your writing and it will be much more engaging for your readers

**Method 2 of 3: Research Your Idea**

1. Learn the basics. Get the general explanation of whatever you are trying to write about. This will give you a basic framework for what to look for as you research.
2. Find reliable sources. Now that you know what to look for, research your topic. You can use the internet, a library, conduct interviews, watch documentaries, or whatever you feel is appropriate to teach you everything you need to know about your topic. Be an expert!
3. Get different types of material. During your research, look for material that isn't text. This can be used or altered to add to your article.

**Method 3 of 3: Write Your Article**

1. Decide your length. Does this article have a word count? Do you need to fill a certain number of pages? Consider what type of content you're writing about and how much space that can fill, as well as how much needs to be written in order to cover the topic adequately, before proceeding with writing your article.
2. Outline your article. Before you begin formal writing, you will want to outline your article.
3. Edit your work. Before you submit your work, you will want to do some editing and revision. If time allows, wait for a day or two before editing
4. Respect the rights of other writers. If you are using information from an external source, be sure to cite the source at the bottom of the article.
5. Submit your work. When you've finished, submit your work in the appropriate manner.

Contact Us:  
 Laxmi Book Publication  
 258/34m Raviwar Peth, Solapur-413005 India  
 Contact: +91-217-2372010 / 9595-359-435  
 e-Mail: ayisrj2011@gmail.com  
 Website: www.isrj.net

Happy Writing...

Happy Writing...

## ABSTRACT:

Novice or beginner sees the content of science as isolated pieces of information handed down by authority and disconnected from the world around them. Every learner do carry beliefs about learning a given technical subject and Novice like beliefs affect their learning. It is expected that after going through training under a given course their beliefs should turn in to Expert like beliefs.

Abstract Report: The Title Accurately Said The Study was About.

## INTRODUCTION:

Students believe certain things about what science is and how one goes on learning selected discipline. If one interview lot of people, one finds that their beliefs lie on the scale of Novice to Expert. This research used a survey method with the help of MPEX test (5,6) which can measure where on this scale learners belief lies. It is expected that learners beliefs should be more refined that is more Expert like after completion of study. Physics is the subject used for reference as it is the common subject and the concepts of this subject are used in all the branches at various levels. From the set of questions and from the expert table developed by team (5), one can measure development of six cognitive beliefs.

Introduction Report: This Article Include Full Introduction, Methods, Results & Introduction Section.

## METHODS & MATERIALS:

The sample selected for this survey was students of Engineering from Karjat and New Mumbai District. The learners of various branches like Mechanical, Electronics and Electronic and telecommunication from each institute from respective district were observed. The cognitive beliefs were measured with the help of MPEX test (5,6) and Brain Hemisphericity was measured by HDT (7).

D's represents domains corresponding to each cognitive belief, as mentioned in the Introduction. If the favorable response is above 80% the said domain may be called as Expert like (5,6). (The addition of favorable and Unfavorable responses may not turn out to be 100% as some students may not produced any responses for that particular domain)

Methods & Materials Report: Tables/Boxes/Diagram & Images are Used to Explain Specific Points or Background Information. Figures That The Plotted Parameters are Clearly Mentioned.

## RESULT:

Development of cognitive beliefs with reference to MPEX test:

D1: the cognitive belief representing Independence, which is related to development of own understanding is found to be Novice like for the students from both the districts. Also there is hardly any development amongst students of all the branches discussed at the entry as well as at the exit level.

D2: the cognitive belief representing Coherence, which related to the forming holistic picture of subject instead of treating it as a collection isolated pieces of information was found to be highly Novice like for the students from both the districts. Also it is found to be more Novice like at the finale year than at the entry level.

Result Report: The text is rounded off with a conclusion that comments on the implication of recent findings for the topic being covered as a future research direction.

## REFERENCES:

- J. K. Pendharkar et al 'Review Of Research' Vol.1 Issue IX/June 2012, ISSN No: 2249-894X
- J K Pendharkar Hema Peese, International Journal of scientific research Vol 2/Issue 7/ July 2013.Issn No: 2277-8179 pp: 32-33.
- a Jitendra K Pendharkar, b M N Nyayate 'Golden Research Thoughts', Vol.I, Issue III/September 2011, ISSN No: 2231-5063. PP: 200-205.
- Veena Khilnani et al 'Indian streams research journal', Vol 2, Issue XI/ December 2012, ISSN No: 2230-7850. PP: 1-3.
- Maryland Physics Expectancy Group: <http://www.physics.umd.edu/perg>
- MPEX test tool: <http://www.physics.umd.edu/rgroups/ripe/perg/experts/mpex.htm>
- Hemisphericity dominance test developed by D Venkataraman (1994).

Reference Report: The author cited all the most relevant previous studies and explains how they relate to the current study.

## RECOMMENDATIONS:

Abstract Report: Introduce New Regular For Content & Communication.

## SUMMARY OF ARTICLE:

	Very	High	Average	Low	Very Low
1. Interest of the topic to the readers	✓				
2. Originally & Novelty of the ideas		✓			
3. Importance of the proposed ideas			✓		
4. Timelines	✓				
5. Sufficient information to support the assertions made & conclusion drawn		✓			
6. Quality of writing(Organization, Clarity, Accuracy Grammer)	✓				
7. References & Citation(Up-to-date, Appropriate Sufficient)			✓		

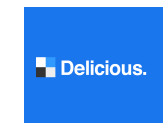
This Article is Innovative & Original, No Plagiar

## Future Research Suggestions

This Article can expand further research for MINOR/MAJOR Research Project at UGC



citeulike



DOAJ

EasyBib

ENDNOTE



MENDELEY

MyNetResearch



zotero

## Future Research Planning :

- Career For Faculty (<http://academicprofile.org/Professor/CareerForFaculty.aspx>)
- Academic Plan (<http://academicprofile.org/Professor/AcademicPlan.aspx>)
- Regarding Professor Promotion (<http://academicprofile.org/Professor/regardingPromotion.aspx>)
- Fellowship for Post Doctoral (<http://academicprofile.org/Professor/FellowshipForPD.aspx>)
- Online Course on Research (<http://onlineresearch.in/Default.aspx>)

Happy Writing...

Jitendra Pendharkar , Sheetal Thakare, Mahesh Warang and Anushri Tambe

Happy Writing...

Jitendra Pendharkar , Sheetal Thakare, Mahesh Warang and Anushri Tambe