DR. T K JAYALAKSHMI MEMORIAL LECTURE ON "'REIMAGINING PROFESSIONAL DEVELOPMENT OF TEACHERS ACROSS LEVELS".

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IDRC Grant/ Subvention du CRDI: 107311-001-Research into Open Educational Resources for Development

Reimagining Teacher Professional Development

Communities of Practice

September 2016

TKJ memorial program

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IT for Change (www.ItforChange.net/Education),
Bengaluru

Digital / Information Society

BBC Study

We are in a period known as the "information revolution" as human societies transition to a digital age.

In 2000 75% of stored information was in an analogue format such as video cassettes, but that by 2007, 94% of it was digital.

"There have been other revolutions before." Dr Hilbert told the BBC's Science in Action programme. "The car changed society completely, or electricity. Every 40, 50 or 60 years something grows faster than anything else, and right now it's information.

"Basically what you can do with information is transmit it through space, and we call that communication. You can transmit it through time; we call that storage. Or you can transform it, manipulate it, change the meaning of it, and we call that computation."

COP

- The spread of communication techniques for digital media has led to the emergence of new ways of social bonding based on gathering areas of common interests, open processes of cooperation and an exchange of knowledge
- French philosopher Pierre Levy

*Wenger What are communities of practice?

Communities of practice are formed by people who engage in a process of collective learning in a shared domain of human endeavor: a tribe learning to survive, a band of artists seeking new forms of expression, a group of engineers working on similar problems, a clique of pupils defining their identity in the school, a network of surgeons exploring novel techniques, a gathering of first-time managers helping each other cope. In a nutshell:

Communities of practice are groups of people who share a concern or a passion for something they do and learn how to do it better as they interact regularly.

TCOL - Learning new methods and observing others



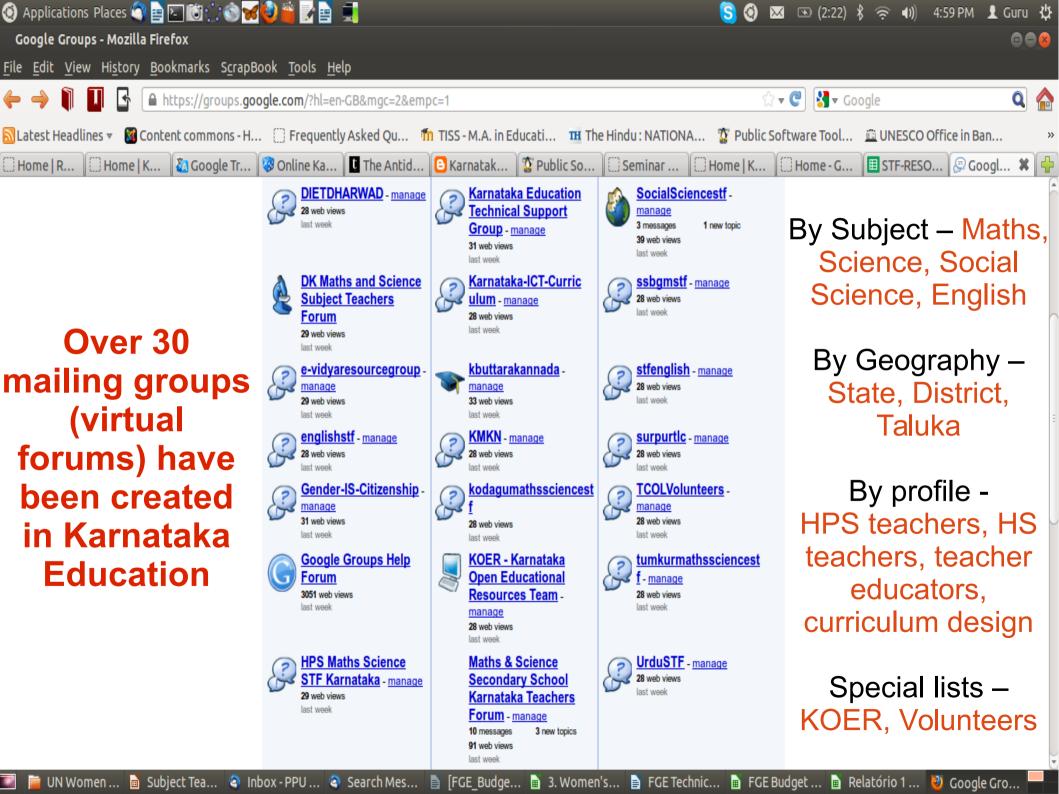
TCOL - Learning new methods together



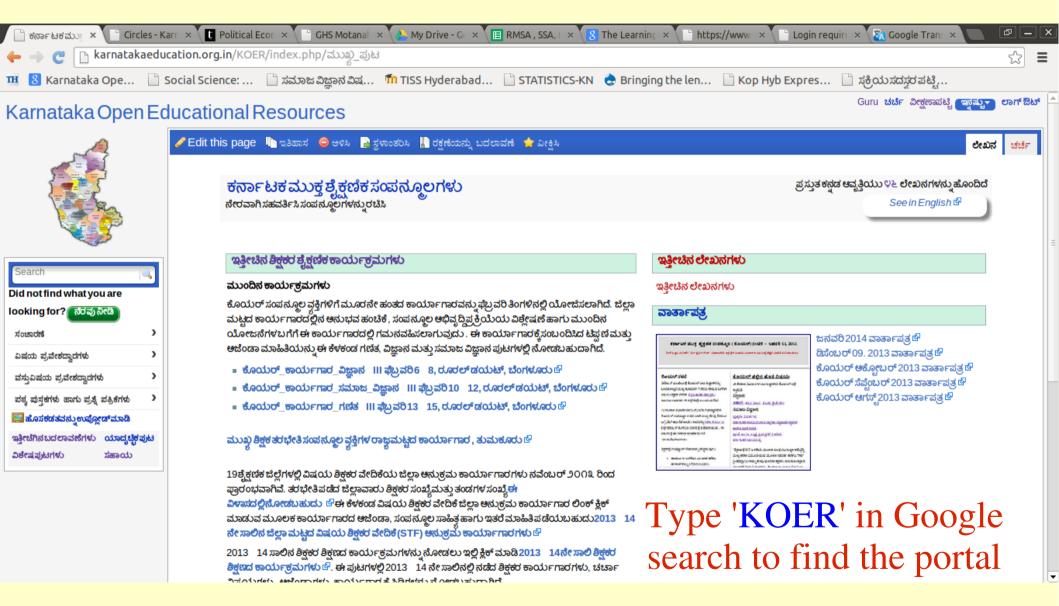


Subject Teacher Forum programme (STF)

- *Began in 2011-12 as an in-service teacher training program
- In the workshops, teachers learn variety of Public educational software tools and web tools (maps, albums, translation) to access, create and share resources
- *and to participate in the "Subject Teacher Forums" (mailing groups) by subjects
 - Over 125,000 emails exchanged in 5 years, sharing idea/ resources and seeking support on mailing lists
 - Subject Teacher Forums (mailing groups) set-up in Mathematics, Science, Social
 Science, Kannada and English
 - Over 3000 teachers have purchased personal laptops, a number increasing exponentially now
 - Around 22,000 Government High school Teachers across all 4600 +
 Government High Schools across 34 districts of Karnataka use ICTs for self learning, creating and sharing resources and transacting in their classrooms



Collaborative creation – a purpose for the community



Wiki based OER portal in English and Kannada – of, for and by Karnataka teachers and teacher educators

	ocus area			Number	Percentage%
	Count - Asking for help / seeking information or/ resources				4.57%
	Count - Sharing resources - Reuse (including review comments)				12.20%
	Count - Sharing resources - Created				22.22%
	Count - Sharing resources - Revised				0.65%
	Count - Sharing resources - Remixed Analyses				0.44%
	Total mails		by type	184	42.70%
	Count - Others		of mails	275	59.91%
	Total			459	100.00%
57. Table: Content share	d by formats			·	
Туре	Format (file extension)	Number	Open or / Proprietary?		
Text	EML	24	Open		
Text	ODT	. 18	Open		
Text	PDF	42	Open		
Text	HTML	13	Open	File formats in which	
Image	JPG	23	Open		
Image	PNG	1	Open		
Video	FLV · · · · · · · · · · · · · · · · · · ·	2	Proprietary		
Geogebra	GGB	30	Open	reso	urces
Text	DOCX, DOC	. 8	Proprietary	created and	
Text	XLS, XLSX	. 7	Proprietary	sh	ared
Text	PMD	1	Proprietary		
Text	PPT, PPTX	. 4	Proprietary		

http://karnatakaeducation.org.in/KOER/en/index.php/Main_Page

