



GIAP Journals

# Next Generation Television

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**Abstract:** We are blessed with UHD 4K curved TV, choremecast, 3D TV and various breakthrough services. A story with no illustration leads us to imagination, eventually we end up penetrating to a larger depth. Still , Television = idiot box. We portray here big and small ideas on how our next generation TV. can cope up with injustice, corruption, blues, provide advertisement pleasure, cartoon creation, gesture feedback, data storage and awareness, disaster help, festival togetherness, past pattern , ingredients love, magnificent features of entertainment and rejuvenation coupled with dictionary effect.

**Keywords:** advertisement pleasure, cartoon creation , dictionary effect , disaster help, festival togetherness, gesture feedback , ingredients love, past pattern

## I. INTRODUCTION

Television (TV) is a telecommunication medium that is used for transmitting and receiving moving images and sound. John Logie Baird , a Scottish engineer, was inventor of the world's first mechanical television.

*CES 2015 Next gen UHD picture quality*

SUHD TV brings out the next generation of UHD picture quality and is surprising, through quantum dot technology. These screens feature crystals 50,000 times smaller than the width of a human hair. Sony has their new feat and all set to amuse you with the 4K visual and shooting experience to a whole new strata with a wide range of 4K compatible products. A total of 11 new 4K BRAVIATM LCD TVs We can also see holograms in CNN, even in NDTV too. Thanks to election fever. Apple TV gives us access to lots of good HD content in a tiny package.

At CES this year one of the biggest announcements included Samsung's Smart Interaction, a new feature on its 2012 TVs that utilizes a built-in camera and microphone to enable us to control the boob tube just by speaking and/or gesturing to it. OLED - Organic Light Emitting Diode 4K - (UHD or Ultra High Definition) defined as something around (3840 x 2160 pixel resolution) or 8,294,400 pixels or 4K progressive or 4 X HD resolution. There is a difficult competition between OLED and 4K.

According to the Wall Street Journal , Google is working in a new modular concept of a T.V that will allow the user to rearrange the screen into different shapes and sizes. They are also working to develop a display comprising Smaller screens, which will thereafter merge together like Legos to develop a single screen.

We can try to built up something like Dell's emotion sensing technology in T.V. The software can detect the level of boredom, stress, state of mind.

## II. RAW IDEAS

### *Medicate-music*

We can use trailers instead of pain killers to focus our mind through series of running pictures, combining with treadmill to get the feel of a journey.

### *Deep Impact (listen)*

This is sports time, may be the breaking news time. Your sweet TV in home or in cafe or in office can behold the responsibility with please to record, yeah audio record all your reaction , even that chirping of that background bird, even the comic tone of neighbor's shout.

This record can also be a good memory.

### *Scream!!-save me. (screen saver)*

We have screen savers like aquarium .We can attain a rejuvenating drizzle sound after a day of struggle , like rain drops pouring on leaves , mud becoming wet ,paper boats swimming slowly .That kind of screen saver option in menu would be great. We are waiting for the odor of fresh drops on mud along with that.



Fig. 1: Boats as screensaver

### *Gesture*

When we see a pond, we may feel immediately to throw pebbles, so that we can see beautiful ripples. So when I see a pond in the TV, I can have a hand gesture like throw and I see a stone in projectile motion. We can use hand gesture technology in this way too.

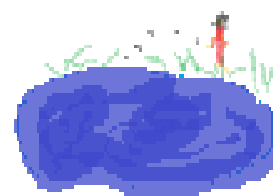


Fig. 2: Drawing to illustrate the imagination, reaction as hand gesture of throwing and T.V. will do the same response with pebbles and pond in screen view



This images intercepts our thought while we try to focus and we like to imagine more and more.

We might write our observation or view as comments , also pencil – sketch figures and send those trough our remote or phone and see those on the screen , even all can view , in real time.



Fig. 3: Snap from movie 'My Neighbor Totoro'

*Festivals Togetherness*

Festivals are celebration of unity, leaving behind all evil and beholding the richness and magnificence of history. We always want to be a part of it. We can have some particular section recorded while we see the program or even we can view our hologram present then. That would be majestic.



Fig. 4: Picture of Chinese lantern festival

*Dictionary Effect*

We do get blank in the case of information insufficiency. When we cannot understand a meaning of a phrase or word during telecast of any interview, news, cookery show, soaps We sometimes get forget events of history and even sometimes we don't know about them in details. It will be great if we have some ready reference option in the TV for example pages from the history book, dictionary, medicine books, etc. Our TV can be converted to e-book reader and search engine for scriptures and literary documents as well as science journal simultaneously. We can act cooperatively by observing the satellite pictures of disaster and processing them for more and more information, using intelligence across borders (disaster help).

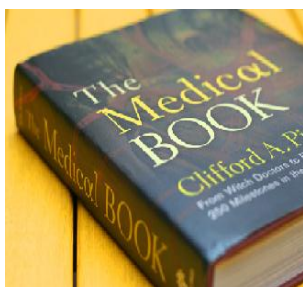


Fig. 5: Medical book to represent wisdom from book for ready reference while viewing T.V.

*Past Present Pattern*

TV spoils our brain. We will loose the ability to think, ponder and ultimately you will be unable to crack the problems. Reason: We are too satisfied to solution home-delivery facility. That's an entertainment. Yes we are just pressing the enter button, I mean the run button on some one else program. Books and labs are never complete for learning or education. Why not just listen to other students. Why not listen to those common man who reside at those historical places from generation to generation. Can we just receive a portion of this from the comfort of home, besides the fixed program of history channel, National Geography etc. Some episodes from laboratory of different manufacturing unit and colleges even from some episodes from the students speaking all over the world from different library would be wonderful. We can even have filter for which episodes would be good for which age group.



Fig. 6: Robot preparation in laboratory to depict work in different forms from searching past to curious new generation to grow up from science to technology

*Recipe – Ingredient Love*

Sometimes when we cook a meal that tastes really bad, so that keep annoying us the hectic process and simultaneous careless mistakes due to inexperience. We feel frustrated to cook again.

We can have a close look at these Master Chef episodes as an inspiration of trying out our hands to feel the pleasure of creating something to quench our hunger.

E.g. If we see a vegetable, just use the remote as an cursor, you can have a easy step to step recipe about it, how to garnish that, food values..., how to cook easily, which ingredients would work better. We can click a utensil and explore its efficiency and material properties.



Fig. 7: Master Chef episode picture to showcase the fascination of cooking complicate algorithm even for coders



Writing feedback to this sudden breaks in serious episodes. When the Government advertisement of awareness we feel that there is a big chance of living between peaceful people. Some commercials do inspire to live better and bring back our memories. We can rate those and record those, even we can communicate jut like comment below you Tube videos.



Fig. 8: L'OREAL commercial Jad Se Judein to portray how we value our memories and people, nature. We grew up in their lap.

### Cartoon creation out of story as input

Cartoon Story Maker is a simple program that lets you rapidly create 2D cartoon stories with conversations, dialogues, and different backgrounds It also allows for selecting and using dialog boxes and text bubbles of various types and sizes. Last but not least, voice recordings can be added to the cartoon, and not only from existing recordings, but also by creating new ones.

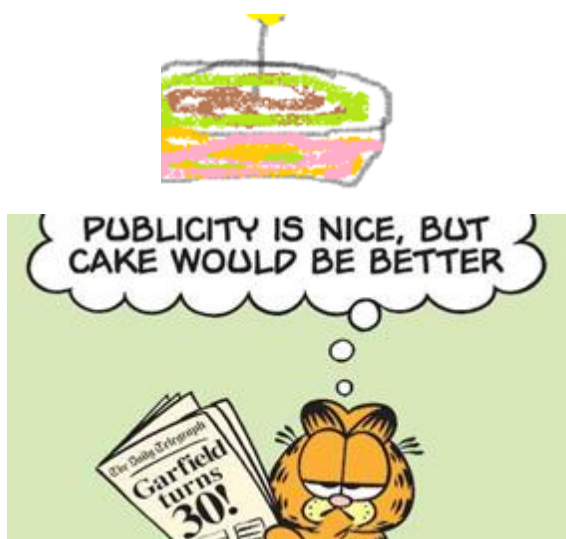


Fig. 9: We think of celebrating our glee with cake and cream. T.V. can create this expression through sweet characters e.g. Garfield. This drawn cake and cute composed comic celebrity reminds us that.

### III. SURVEY

Conducted through Google + communities.

Q) Please share ideas, views, observation about next generation television. :-)

Answers:

Akshat Malpani : Will mostly be transparent and invisible, will have a complicated hologram display and will be portable.

Titan Rain: 60 FPS HD SBS 3D.

Next generation does not only mean urban population or people with power.

It also means the villages, remote areas, where openness could not navigate, darkness where superstition breed, even somewhere with harsh natural conditions, without electricity, without validity of rights. Television is always an alarm system to save them from failures, bridging the gap advanced technology in city, to fight, to get inspired, to be corrected at different steps , where we have some influential people who declares Television to deteriorate the youth, or to cause damage in lifestyle against their tradition or customers.

### Blog

We will keep interacting and updating about our progress and other related works in next generation television at : [www.nextgenidiotbox.wordpress.com](http://www.nextgenidiotbox.wordpress.com)

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