



EDITOR'S NOTE

Yatra is a platform to exhibit the literary skills and innovative ideas of teachers and students. Yatra presents the achievements of students and contributions of teachers. We would like to place on record our gratitude and heartfelt thanks to all those who have contributed to make this effort a success. We profusely thank the management for giving support and encouragement and a free hand in this endeavor. Last but not the least we are thankful to all the authors who have sent their articles. We truly hope that the pages that follow will make an interesting read.

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ARTICLES

COMPETENCY

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In life, we have challenges which measure our potential to do any work at certain level. Generally we take up a task by saying we will do it, it depicts our confidence but if we successfully do it, it shows our competence. Competency is the quality or condition to perform an act. It is the need that is to be fulfilled for acquiring practical and theoretical knowledge, improving skills, abilities for performing specific roles with desired results.

Competency differentiates and distinguishes a person from others. If a person is able to show his capability and ability to win a particular challenge then that person could acquire competency. A kaleidoscope of multiple attributes like ability, proficiency, capability, efficacy etc form competency. Every individual is required to be competent to achieve success in life. For survival in life, every individual is needed to perform his best. Some people are born with special qualities whereas some people develop qualities in them with the course of life. These qualities enable people to get special recognition in the world. It's easier said than done, a person with such capability of doing his sayings is said be competent.

Competency is the ability to do something well or to a required standard. If we practice a certain thing time and again we tend to master doing that and as a result it becomes our competence. It is the ability to perform tasks and produce outputs matching the requirements of the stakeholders. When we feel competent, we tend to greet newer environments with calmness and confidence. Our competency helps those around us feel more comfortable and secure and it inspires them to seek knowledge and skill in their own domain. Competency is needed to develop and incorporate in the life as it explains the capability of a person. Competency helps us win challenges in life.



Various Attributes of Competency

Competency is the quality that is achieved and developed by a person. It could be used as a tool to achieve goals in life. Every individual have capabilities but there is a need to understand the field of your perfection and interest. As every person is unique in its own way, competency is also unique with every person. It could be defined as single attribute or collection of multiple attributes. Here are some attributes which contributes in being competent. The attributes are as follows:-



- **Ability**

It is the attribute of a person which constitutes towards the competency of a person. It is the quality which could be used to do any task efficiently. It is a component of competency which acts as a helping hand to ease your work.

- **Expertise**

When a person is successful in gaining higher level of domain knowledge, he is said to be an expert of that domain. Experts have experience which is gained after continues practice and effort applied in particular field. If a person is given a challenge in the field of his expertise then it is expected that he would easily overcome the challenge given to him. In this way it could be derived that competency brings easiness in life of a person.

- **Proficiency**

It is the skillfulness and advancement achieved by a person in the work assigned to him. When a person achieves proficiency then it could be assumed



that a person is special in some way from others, because of his advancement with the knowledge.

- **Skill**

It is the talent to do any work. It is the technique by which a work can be accomplished productively. We gain skill via a knowledge and regular practice. It could be acquired by special training in a domain of interest. Every individual applies different technique to complete the work, so a person could be differentiated on the basis of their technique used.

- **Capability**

It is a feature of a person that can be developed and used to perform in any situation. It could be enhanced by attaining qualification and experience. It is the adequacy and potency by which one easily wins the challenges in the life. It could be used to break any level of difficulty provided that it is applied in the correctly.

- **Aptitude**

It is the component of competency that relates to acquired capacity for something. A person may have good aptitude based on his readiness and quickness in learning. It is the quality of being fit for a purpose or position. If a person is having such attribute with him then it could be said that a person is capable enough to attain some status in the society.

Important Learning

- **Be aware of your competency**

Every individual wants to earn fame and money in the life. The life is full of challenges which are needed to fulfill to acquire satisfaction and some position. A person should be aware of his competency where he finds that he could excel in life by being competent.

- **Work according to your skills**

To win the difficulties of life every individual either is gifted with some special qualities or people develops the quality with the need by time.



Competency is the quality of a person that he develops during the challenges of life. Once a person is aware of his core competency he should work accordingly in life.

- **Apply your competency to earn benefit**

A person could utilize his competency to earn profit in his life. It is the domain which differentiates him from other individuals. He could take advantage of being specialized in his field.

In a nutshell, Competency is the ability, capability, attitude of a person which inculcates development, efficiency and identification in an individual. Competence together mixed with confidence can bring about effectiveness in our efforts.

An Approach- TURN TOUCH

Ms Bhawna((Asstt.Prof.,ECE Deptt.)

Now a day's touch Screen systems have really gained any ground. Everyone is using touch screen devices but the cost of touch screen laptops is very high. we can propose an alternative algorithm to convert any laptop or any device into a touch screen device by using two camera setup. Turn Touch is an implementation of touch screen. The camera's setup visually tracks a feature on a material and use the movement of the tracked feature to directly control the mouse pointer on a computer. The material could be an LED light or the tip of the stylus. The material accordingly calculates the relative positioning of the feature with respect to the screen of the device to be operated upon. Both the cameras will then diffuse the image and integrates it to form a single image and successfully calculate the coordinates. These coordinates are then used to move the mouse pointer to the specific location, as calculated by the system. An algorithm has been proposed for converting any system into touch screen system.

Digital image processing is the process of using computer algorithms to perform image



processing on digital images. As a field of digital signal processing, digital image processing has many advantages over analog image processing. It allows a much wider range of algorithms to be applied to the input data and can avoid problems such as build-up of noise and signal distortion during processing. Since images are defined over two dimensions (perhaps more) digital image processing may be modeled in the form of multidimensional systems. Digital image processing allows the use of much more complex algorithms, and hence, can offer both more sophisticated performance at simple tasks, and the implementation of methods which would be impossible by analog means. The goal of us was to transform the normal LCD screen into a touch screen. This will be done with the help of two web cameras which will be filming the LCD and detecting the motion. This motion will then be transformed into adequate action like left mouse button click or a double click.



CONCLUSION

The main aim of our was to transform the normal LCD screen into a touch screen. This was done with the help of two web cam which filmed the LCD and detected the motion. This motion was then transformed into adequate action like left mouse button click or a double click. Application works by mapping Web Cam coordinates into LCD coordinates. This means that when Web Cam detects motion it knows its coordinates inside the image it has taken. Those coordinates are then transformed into LCD coordinates by using set of recalculated coordinates of the dots which are displayed during initialization phase. Motion is detected by using red color detection on normalized RGB color space.



Such a system was successfully developed and tested for various modules and different angles. The web cameras were placed at various distances from the screen and at various sizes of screen and were found to be properly working. Thus this system can be easily integrated for commercial purposes with a better quality of camera

Launching of ‘Prashikshak’- a teacher education portal

Dr. Sanjeev Kumar (Asst.Prof ,B.ED)

On 30 June 2016 former Union Minister for Human Resource Development, Smt. Smriti Zubin Irani dedicated ‘Prashikshak’- a teacher education portal, to the nation. ‘Prashikshak’ is launched with a vision to strengthen District Institutes of Education and Training (DIETs) and bring quality teachers into the Indian school education system. Prashiskshak portal has started only for DIETs; it will cover block level institutes in the future and identify gaps at the bottom of the pyramid. The Ministry of Human Resource Development also has plans for enhancing Prashikshak to cover all Govt. Teacher Education Institutions in the country, which are recognized by the National Council for Teacher Education. All State Government teacher education functionaries can make full use of the ‘Prashikshak’ portal to bring about transformative changes in the monitoring system of these institutions. On its launching day live interaction shown through video conferencing with DIET Principals across 6 States of India - Assam, Madhya Pradesh, Maharashtra, Odisha, Telangana and Uttar Pradesh.

Prashikshak is a unique IT initiative, a first of its kind in the country, which will contain a comprehensive database of all DIETs in the country with all relevant performance indicators. It will help benchmark DIETs to enable aspiring teachers to make



informed choices about their future. At the same time, it will give the opportunity to Central and State Governments to do real time monitoring of the institutions.

Prashikshak was established through joint collaboration between Ministry of Human Resource Development and Central Square Foundation. The objective of Prashikshak is to define quality benchmarks and help DIETs to make informed decisions about their institutes, compare the performance of their institute against other DIETs in the state/country as well as helping aspiring teachers make informed decision making.

Strengthening DIETs empowering teachers

Fostering District Institute of Education and Training (DIETs) through Teacher Education Portal (TEP)

Database about all DIETs | Data analytic report | Monitoring of CSSTE related parameter | Comparative Index for DIETs

Prashikshak
Teacher Education Portal

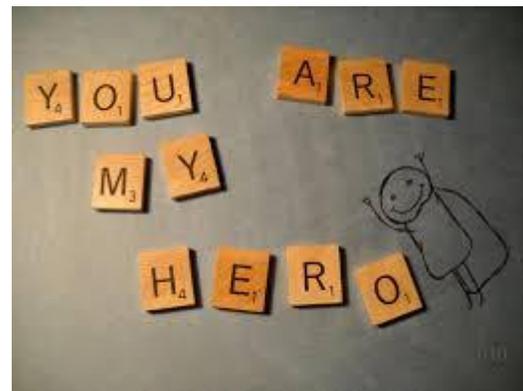
Government of India
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An initiative of the Department of School education and literacy,
Ministry of Human Resource Development

In Association with NCTE
Website : www.ncte-india.org

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Winners Versus Losers

Arpit Sharma, III Sem ,BBA-LLB

The winner is always a part of the answer.

The loser is always a part of the problem.

The winner always has a programme.

The loser always has an excuse.

The winner says, "let me do it for you".

The loser says "that is not my job".

The winner sees an answer for every problem.

The loser sees a problem for every answer.

A winner makes commitments.

A loser makes promises.

Winners have dreams.

Losers have schemes.

Winners say, "I must do something".

Because my hero is my teacher!

Loser say, "something must be done".

Winners are a part of the team.

Losers are apart from the team.

Winners see possibilities.

Losers see problems.

Winners see the gain.

Losers see the pain.

MY HERO

Aman Seth, I SEM CSE

My hero doesn't have any special powers

Because my hero doesn't fight

My hero doesn't have any wings

Because my hero doesn't fly

My hero doesn't have any special costumes

My hero doesn't have any special costumes

Because my hero doesn't like any other hero

My hero is different from any kind of super creatures

My hero is just an ordinary human being

My hero makes me smart

My hero changes my future

My hero makes me know something



Events

Zest & Dandiya





Star Night



jims Jagannath International Management School

in association with **Rotary District 3012** **Rotary Club of Delhi Nirvana**

Presents **BADSHAH** *Celebrity Nite*

PULSE **Campus**
For a campus called life

Date: 25th November 2016 | Time: 6.00 P.M. onwards
Venue: Tyagraj Stadium, New Delhi

Sponsors: **BIKANERVA**, **Modern School**, **NKG**, **LLIMITED**



**National Conference on Technical Perspectives on Smart City
Development on 12th Nov.**



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