

Accepted Manuscript

Title: YUVA: AN E-HEALTH MODEL FOR DEALING WITH PSYCHOLOGICAL ISSUES OF ADOLESCENTS

Authors: Shilpa Srivastava, Millie Pant, Atulya Nagar

PII: S1877-7503(17)30660-9
DOI: <http://dx.doi.org/doi:10.1016/j.jocs.2017.05.030>
Reference: JOCS 699



To appear in:

Received date: 23-2-2017
Revised date: 8-5-2017
Accepted date: 31-5-2017

Please cite this article as: Shilpa Srivastava, Millie Pant, Atulya Nagar, YUVA: AN E-HEALTH MODEL FOR DEALING WITH PSYCHOLOGICAL ISSUES OF ADOLESCENTS, Journal of Computational Science <http://dx.doi.org/10.1016/j.jocs.2017.05.030>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

YUVA: AN E-HEALTH MODEL FOR DEALING WITH PSYCHOLOGICAL ISSUES OF ADOLESCENTS

SHILPA SRIVASTAVA

*R.K.G.I.T, 5th KM stone, Meerut Road,
Ghaziabad 201009, U.P, India
shilpa.srivastava2015@gmail.com*

MILLIE PANT

*IIT Roorkee, Saharanpur Campus,
Saharanpur247001, U.P, India
milliepr@iitr.ac.in*

ATULYA NAGAR

*Liverpool Hope University, Liverpool, U.K
nagara@hope.ac.uk*

Highlights

The manuscript is regarding the development of an Ehealth Application for the adolescents of India.

ABSTRACT: The stressful lifestyle of the present age is leading to several psychological and behavioral issues. Adolescents and young adults are perhaps the worst effected due to the demanding everyday life leading to depression, anxiety and related issues. To deal with such issues the present study recommends an easy and adaptable electronic platform for e-psychology systems by using ICT tools and services and can be used to deal with various health (physical & mental) issues of adolescents. A model named “YUVA” based on RWD (responsive web development) which can run on any desktop or mobile phones is suggested for the benefit of adolescents trying to cope up with psychological issues. The purpose of this application is to provide information concerning different issues like health, education, recent studies, Government Initiatives etc. It incorporates several facilities like self assessment tests, registration facility for counsellors, dieticians, instructors etc. so that they can be contacted at the hour of need. The implementation is provided on .NET platform for wide deployment and adaptability.

Keywords:-Ehealth, psychological, adolescents, .NET, Responsive Web Development.

1. Introduction

The rise of the web technologies and growth of Information systems has touched all aspects of human lifestyle and improved quality of services in general. Our daily life is greatly influenced by advances made in communication systems and the health care is no exception. The use of Information & Communication Technology (ICT) tools and methods in the healthcare sector is one of the most rapidly evolving areas today. E-health is a new and efficient method for providing widespread and affordable health care services to large population E-health is being used more in the field of psychology and behavioral medicine to support a healthier way of life or track administration of medications to patients. The authors of [1] have coined the term e-psychology. It can be considered as a competent union of psychology and information & communication technology. E-psychology can provide services like diagnosis, valuation, counseling, administering psychological tests via use of ICTs. The effort is to improve E-health interventions with technology as an agent for to monitor compliance and behavior change. Focus is being towards the providing E-health services in case of depression, self-management, adjustments, anxiety disorders, etc. The use of E-health services can have profound effect in imparting services in dealing the psychological and other health issues.

This article throws light on a user-friendly, flexible and adaptive electronic platform, which supports e-psychology activities through the use of informative and communicative tools and services, which can be adapted to support various methods of e-psychology activities. The authors conclude that the utilization of tele-health interventions can be an effective way to solve the problems related to the psychological issues of adolescents. The present study throws light on the use of ICT in the psychological domain. A Responsive Web Application "YUVA" is designed for the Indian adolescents. The current scenario- statistics, need, problems etc. of adolescents in India is first analyzed. Based on that a model for the Responsive Web Application is designed which is having seven sections

Download English Version:

<https://daneshyari.com/en/article/4950984>

Download Persian Version:

<https://daneshyari.com/article/4950984>

[Daneshyari.com](https://daneshyari.com)