

Cyber-Physical System for Patient Centric Healthcare Using Cloud and Big Data

A Seminar Report Submitted to

Jawaharlal Nehru Technological University Anantapur, Anantapuramu

in partial fulfillment of the requirements for
the award of the degree of

**BACHELOR OF TECHNOLOGY
IN
INFORMATION TECHNOLOGY**

Submitted by

K. SRI VIRAJA

14121A1245

Under the Supervision of

Ms. K. Lakshmi Prasanna, *M.Tech*

Assistant Professor

Department of Information Technology



Department of Information Technology

SREE VIDYANIKETHAN ENGINEERING COLLEGE

(AUTONOMOUS)

(Affiliated to JNTUA, Anantapuramu, Approved by AICTE, Accredited by NBA & NAAC)
Sree Sainath Nagar, Tirupati – 517 102, A.P., INDIA

2017 -2018

Department of Information Technology
SREE VIDYANIKETHAN ENGINEERING COLLEGE
(AUTONOMOUS)

(Affiliated to JNTUA, Anantapuramu, Approved by AICTE, Accredited by NBA & NAAC)

Sree Sainath Nagar, Tirupati – 517 102, A.P., INDIA



Certificate

This is to certify that, the Seminar entitled

**“Cyber-Physical System for Patient-Centric
Healthcare Using Cloud and Big Data”**

is the bonafide work done by

K. SRI VIRAJA

14121A1245

in the Department of **Information Technology, Sree Vidyanikethan Engineering College (Autonomous), Sree Sainath Nagar, Tirupati** and is submitted to **Jawaharlal Nehru Technological University Anantapur, Anantapuramu** for partial fulfillment of the requirements of the award of B.Tech degree in Information Technology during the academic year 2017-2018.

Supervisor:

Seminar Co-ordinator

Head of the Dept.:

Ms. K. Lakshmi Prasanna , *M.Tech*
Assistant Professor
Dept. of Information Technology
Sree Vidyanikethan Engineering College
Sree Sainath Nagar, Tirupati – 517 102

Ms. V. Jyothsna, *M.Tech., (Ph.D.)*
Assistant Professor
Dept. of Information Technology
Sree Vidyanikethan Engineering College
Sree Sainath Nagar, Tirupati – 517 102

Dr. K. Ramani, *M.Tech., Ph.D.*
Professor and Head
Dept. of Information Technology
Sree Vidyanikethan Engineering College
Sree Sainath Nagar, Tirupati – 517 102

INTERNAL EXAMINER

EXTERNAL EXAMINER

CONTENTS

S.No	Title	Page No.
	Abstract	i
	Acknowledgement	ii
1.	Introduction	1-2
2.	Literature Survey	3-11
3	Proposed System	12-19
4.	ROCHAS : A testbed for HEALTH-CPS based on Robot Technology	20-21
5.	Conclusion and Future Work	22
	References	23-24