

# CURRICULUM VITAE

**K E CH VIDYASAGAR**

**Address:**

Dept. Biomedical Engineering  
University College of Engineering,  
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**EDUCATIONAL QUALIFICATION:**

- ❖ Perusing **PhD from Centre for Biomedical Engineering, IIT Delhi**
- ❖ **M Tech in Biomedical Engg**, from Vellore Institute of Technology, Vellore (2009-2011)
- ❖ **B Tech in Biomedical Engg**, from Jawaharlal Nehru Technological University (2005-2009)

**EXPERIENCE:**

Sl.No	Title	Institute	From	To	Job Roles
1.	Assistant Professor	Osmania University	06-Feb-2014	Till date	Teaching & Research
2.	Postgraduate Research Associate	University of Malaya	15 <sup>th</sup> -April-2013	31-Jan-2014	Research
3.	Assistant Professor	Dr. Bhausahab Nandurkar College Of Engineering & Technology	25 <sup>th</sup> -May-2011	30 <sup>th</sup> -Mar-2013	Teaching & Research
4.	Postgraduate Research Associate	VIT University	July – 2010	May - 2011	Research

**AREA OF INTEREST:**

- ❖ Brain Machine Interfacing
- ❖ Rehabilitative and Assistive Technology
- ❖ Biomedical Equipment Designing

**PROJECTS GUIDED:**

- ❖ Bachelor's – 6 projects

- ❖ Masters – 6 projects

#### **SANCTIONED RESEARCH PROJECTS**

- ❖ Design and Development Of Automatic Epilepsy Detection System by **UGC (Rs. 380000.00)**
- ❖ Design and Development Of Multi-physiological Signal Based Home Automation System by **UGC(Rs. 260000.00)**
- ❖ Design and Development of smart prosthetics by **DST-PURSE (Rs. 400000)**

#### **FACULTY DEVELOPMENT PROGRAMS ATTENDED:**

- ❖ Attended an AICTE sponsored national seminar on **RECENT TRENDS IN REHABILITATION ENGINEERING** at Alpha College of Engineering, Chennai
- ❖ Attended one day faculty development program sponsored by AICTE on **WIRELESS SECURITY** at DMITER
- ❖ Attended one week faculty development program sponsored by QIP on **SENSORS AND SIGNAL CONDITIONING** at IIT Madras
- ❖ Attended one week faculty development program sponsored by QIP & CEP on **MEDIMG 2017** at IIT Delhi
- ❖ Attended one week faculty development program sponsored by QIP on **BRAIN SCIENCE AND TECHNOLOGY 2016** at IIT Delhi

#### **PROFESSIONAL AFFILIATION / MEMBERSHIPS:**

- ❖ Life Member of “Biomedical Society of India (BMESI)” – LM-1021
- ❖ Life Member of “Indian Society for Technical Education(ISTE)” – LM-82982
- ❖ ASSOCIATE of “The Institution Of Engineers India(IEI)” – A-556145-1
- ❖ Member of “Biomedical engineering society (BMES)” –39231
- ❖ Life Member of “International Association Of Engineers (IAENG)” – 121530
- ❖ Life Member of “Asia-Pacific Chemical, Biological& Environmental Engineering Society (APCBEES)” – 200666
- ❖ Life Member of “International Association Of Computer Science And Engineering (IACSIT)” – 80344561
- ❖ Editorial Member of International Journal of Engineering Practical Research (IJEPR)
- ❖ Reviewer of Biomedical Signal Processing and Control
- ❖ Reviewer of International Journal of Emerging Technology and Advanced Engineering
- ❖ Reviewer of world scientific and engineering academy and society

## Patents and publication

Category	Numbers
Patents	2
International Journal Publications	3
International Conference Publications	10

### Patents: [2]

- ❖ **K.E.Ch. Vidyasagar**, Sudesh sivarasu – Mobile Controlled Drug Delivery System, CBR. No: 9417, Application No. 3150/CHE/2010; International Classification: G06F3/048; G06F 9/22; A61M 5/14; Publication No. E-12/249/2010-CHE, Grant no: 288750
- ❖ **K.E.Ch. Vidyasagar**, Sudesh sivarasu – Mobile Controlled Multi Drug Infusion System, CBR. No: 9417, Application No. 3996/CHE/2010 A; International Classification: A61M5/00

### International Journal Publications:[2]

- ❖ **K.E.Ch. Vidyasagar**, Sudesh sivarasu – Mobile Controlled Drug Delivery System, *THE PATENT OFFICE JOURNAL*, Issue: 46/2010. Date: 12 –11 – 2010
- ❖ **K.E.Ch. Vidyasagar**, Sudesh sivarasu – Mobile Controlled Multi Drug Infusion System, *THE PATENT OFFICE JOURNAL*, Issue: 01/2011. Date: 7–01 – 2011
- ❖ **K.E.Ch. Vidyasagar**, T Phani , Sudesh Sivarasu, Design and Development of Wireless Intravenous Multidrug Delivery System; *International Journal of Technology and Engineering System*, 2011 Vol. 2 issue 3. pp. 269-271

### International conference publications: [7]

- ❖ **K.E.Ch.Vidyasagar**, Prof. Mahmoud Moghavvemi, T S S T Prabhat, “Performance Evaluation Of Contemporary Classifiers For Automatic Detection Of Epileptic EEG” IEEE proceedings- 2015 International Conference on Industrial Instrumentation and Control (ICIC), 28-30 May 2015, pages- 372 – 377
- ❖ **Eshwar Chandra Vidyasagar** 3-6 December 2008, ”An Autocorrection Algorithm for Detection of Misaligned Fingerprints”, IFMBE Proceedings, 1, Volume 23, 13<sup>th</sup> International Conference on Biomedical Engineering, Track 1, Pages 415-417
- ❖ **K.E.Ch. Vidyasagar**, Jyoti Gupta, T Phani Vasudev, “SMS (short message service) Infusion Pump for Controlled Multi Drug Delivery”, International Conference Systemics, Cybernetics and Informatics, ICSCI 2011, Jan 5-8, 2011
- ❖ **K.E.Ch.Vidyasagar**, ‘Intellectual pattern recognition technique to assess muscle activity’, 13<sup>th</sup> International Conference on Systemic, Cybernetics and Informatics, Hyderabad,7<sup>th</sup>-10<sup>th</sup> Jan, 2009
- ❖ **K.E.Ch. Vidyasagar**, Jyoti Gupta, T Phani Vasudev, “Wireless Control of Infusion Pump for Multidrug Delivery” International Conference on Biomedical Engineering and Assistive Technologies, NIT J, Dec 17-19,2010

- ❖ **K.E.Ch.Vidyasagar**, Jyoti Gupta, T Phani Vasudev, “ 3D Design of Heart with Caged Ball Valve & Its Hemodynamic analysis’, International Conference Systemics, Cybernetics and Informatics, ICSCI 2011, Jan 5-8, 2011
- ❖ **K.E.Ch.Vidyasagar**, “Design And Development Of Head Controlled Wheelchair For Hemiplegic Patients”, VIT Conference On Science Engineering And Technology, VIT-SET 2011, April 20-21, 2011
- ❖ **K.E.Ch.Vidyasagar**, Sudesh Sivarasu, “Design and Development of Wireless Intravenous Drug Delivery System”, International Joint Journal Conference in Engineering And Technology, IJCET -2011
- ❖ **K.E.Ch.Vidyasagar**, Ravi Varma N, “Desing and Development of Caged ball heart valve using solidworks”, International Conference on Biology And Biomedicine 2013
- ❖ **K.E.Ch.Vidyasagar**, Ravi Varma N, “Impact on eye during air bag Crash using finite element analysis”, International Conference on Biology And Biomedicine 2013