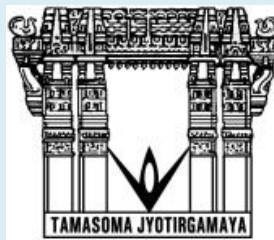


**Report on**

**Teaching Learning Centre**

VNR Vignana Jyothi Institute of Engineering and Technology  
Bachupally, Hyderabad – 500 090



**Estd.1995**

Submitted by  
**Centre for Educational Technology**

VNR Vignana Jyothi Institute of Engineering and Technology  
Bachupally, Hyderabad, Telangana – 500 090

[www.vnrvjiet.ac.in](http://www.vnrvjiet.ac.in)

**a. Name of the Institute:** Vallurupalli Nageswara Rao VignanaJyothi Institute of Engineering and Technology, Bachupally, Hyderabad, Telangana – 500 090. Fax: 040- 2304 2578

**b. Name of Teaching Learning Centre:** Centre for Education Technology

**c. Status of Teaching Learning Centre:** Active

**d. Mission Statement:**

1. To enhance teachers' aptitude towards technology enabled education in order to synergise between education, development and technology.
2. To nurture faculty and students for research and innovation in the field of education technology.
3. To establish a proactive community network for promoting ubiquitous education technologies.

**e. Objectives:**

- Transformation of the newly recruited faculty into trained professionals with expertise in specialized subjects as well as pedagogical practices and greater commitment to teaching profession.
- Improved pedagogical practices among the faculty using ICT, resulting in better classroom participation and performance of students.
- Reformed curricula that deploy inter-disciplinary approaches to generate new knowledge.
- Creation of industry-ready professionals ready to adapt to industrial practices.
- Learning resources in the form of practice books, manuals, hand books and e-content.

**f. Organizational Structure of the Center:**

- Dr. Kode Sandhya - Director
- Dr. T. Jayashree - Head
- Dr. S. Kanchana, Ms. Prativa Rani Saha, & Dr. N.V. Suresh Kumar - Coordinators
- Ms. A Jyothirmai/CE, Dr. K. Veeresham/EEE, Mr. L. Sandeep Raj/ME, Ms. L. Dharmateja/ECE, Ms. Tejaswi/CSE, Ms. D. Kalyani/IT, Mr. B. Goutam/EIE, Mr. Nagaraj A. Shetty/AE - Members

**g. Areas of Training:**

- Class-Session teaching plan and Module Teaching Plan
- Orienting Teaching towards Outcome Based Instruction
- Learner Centered Curriculum Design
- Integrating ICT in classroom instruction

- Maximizing the use of LMS in Teaching and Evaluation
- Best practices in evaluation of learning
- Flexible learning - Designing Blended learning Experiences
- Active learning strategies, Flipped classroom approach
- Effective laboratory instruction with course projects for each lab
- Guidance, counseling and mentoring of learners
- Classroom communication techniques
- Free and Open Education Resources (OERs)
- Motivational techniques
- Classroom dynamics and management
- Massive Open Online Courses (MOOCs)
- Development of online courses
- Teaching and learning through MOODLE
- Teaching- learning: best practices
- Micro teaching Sessions: Practice and analysis
- Research Methodology
- Professional Ethics
- Human values in Higher Education

#### **h. Activities:**

Regular workshops on POGIL activities, Outcome Based Education, Using MOODLE and MOOCs, Learning by Doing, New and Emerging Pedagogies, Innovative Practices, Blended Learning, Flipped Classroom, Bloom's Taxonomy, Plickers, Open Education Resources (OER), Instructional Design & Delivery Systems, Latex, etc. were conducted through this Centre.

The CET is currently contributing to the e-learning domain and developing comprehensive training and consultancy packages to enable the faculty develop high quality instructional design. Over a period of nine years, i.e. from 2012 to 2021, these workshops reached out to a substantial number of engineering faculty at VNRVJIET.

Understanding the need for training teachers in using ICT methods and with the expertise available in the Institute, VNRVJIET is poised to undertake the activities through Centre for Education Technology effectively.

**List of Activities:**

<b>Sl. No.</b>	<b>Name of the Session/Workshop</b>	<b>Resource Person</b>	<b>Dates</b>	<b>No. of Participants</b>
1.	Stress Management through Heartfulness Meditation	Representatives of Heartfulness Institute	7 <sup>th</sup> – 9 <sup>th</sup> Jan 2020	20 faculty
2.	Workshop on Proposal Writing	Dr. S. Kanchana, Asst. Prof., Dr. K. Neelaveni & Dr. D. Sudha Rani Assoc. Professors/H&S	06 <sup>th</sup> – 08 <sup>th</sup> Feb, 2020	22 faculty
3.	Workshop on Proposal Writing	MS. Prativa Rani Saha Dr. Rachel Mr. Prudhvi, Asst. Profs, H&S	10 <sup>th</sup> -12 <sup>th</sup> March, 2020	20 faculty
4.	Webinar on opening a YouTube channel and Google Drive	Dr. C. Thirmal Asst. Profs, H&S	23-7-2020	34 faculty
5.	Webinar on Google Form	Dr. N. V. Suresh Kumar Asst. Profs, H&S	27 – 7-2020	16 faculty
6.	Webinar on MS Teams	Dr. A. BalavardhanaRao Asst. Profs, H&S	3-8-2-2020	34 faculty
7.	Webinar on MS Teams	Dr. A. BalavardhanaRao Asst. Profs, H&S	6-8-2020	34 faculty
8.	Webinar on MS Teams	Dr. A. BalavardhanRaoAsst. Profs, H&S	10-8-2020	34 faculty
9.	Webinar on Windows Journal	Dr. C.Thirmal Asst. Profs, H&S	10-8-2020	34 faculty
10.	Webinar on OBS	Dr. C. Thirmal Asst. Profs, H&S	13-8-2020	34 faculty
11.	Webinar on Looms	Dr. SuchiTiawari, Asst. Profs, H&S & Dr. T. Rajani, Asst. Profs, H&S	18-8-2020	34 faculty
12.	Webinar on Padlet & Mentimeter	Dr. N. V. Suresh Kumar Asst. Profs, H&S	20-08-2020	. 29 faculty
13.	Webinar on MS Teams	Mr. P. Pavan Kumar Asst. Profs, H&S	20-08-2020	29 faculty

14.	Webinar on Mentimeter	Dr. K. SharmilaRudramamba Asst. Profs, H&S	24-08-2020	35 faculty
15.	Micro Teaching Sessions	English faculty & Subject experts	14 <sup>th</sup> July to 20 <sup>th</sup> July, & 24 <sup>th</sup> August 2020.	46 Faculty
16.	Faculty Induction	Faculty from various depts.	7 <sup>th</sup> – 8 <sup>th</sup> September 2020	34 Faculty
17.	NEP 2020: A Paradigm Shift in Content and Intent - A Look into Primary Education”	Ms. ShailajaLatchireddy, Principal, Abhaya - a Waldorf School. Ms. Seetha Murthy, Director - Education, Silver Oaks International Schools. Ms. J. ArunaKumari, Principal, VignanaJyothi Public School.	09 <sup>th</sup> October, 2020	80 Faculty
18.	NEP 2020: A Paradigm Shift in Content and Intent - A Look into Higher Education”	Dr. AppaRaoPodile, Vice Chancellor, University of Hyderabad. Prof. Kolluru V.L. Subramaniam, Department of Civil Engineering, IIT, Hyderabad. Dr. S.S. Mantha, Chancellor, K.L. University & Former Chairman, AICTE. Ramakanth Desai, President & Co-CEO, Happiest Minds Technologies & Former Senior Vice President, Wipro Technologies. Sanjiv Mehta, Advisor & Head Program Development, IBM Innovation Centre For Education.	21st November, 2020	50 Faculty

19.	Art of Teaching	KodeSandhya	27 <sup>th</sup> January – 01 <sup>st</sup> April 2021	48 Faculty
20.	OBS Studio	Dr. C. Thirmal, Assistant Professor of Physics	5-05-2021	14 Faculty
21.	Google form and MS office form	Dr. N. V. Suresh Kumar, Assistant Professor of Physics	6-05-2021	14 Faculty
22.	MS Teams	Dr. A. R. BalavardhanaRao, Assistant Professor of Chemistry	10-05-2021	14 Faculty
23.	Mentimeter	Dr. K. S. Rudramamba, Assistant Professor of Physics	18-05-2021	14 Faculty
24.	Padlet and OpenShot	Dr. N. V. Suresh Kumar, Assistant Professor of Physics	31-05-2021	14 Faculty
25.	Micro Teaching	English faculty & Subject experts	July - Aug, 2021	New Faculty
26.	Basic Writing Skills	Ms. Pratiba Rani Saha, Asst. Prof., Dr. S. Kanchana & Dr. D. Sudha Rani Assoc. Professors of Dept. of H&S	11– 13 Jan, 2022	Non-Teaching Staff
27.	Induction Programme	Principal, Director, Deans & Director	23 Feb – 7 March, 2022	New Faculty

### ***Memorandum of Understanding – Spoken Tutorial***

VNR VignanaJyothi Institute of Engineering and Technology, has collaboration with IIT Bombay Spoken Tutorial Program. The IIT Spoken Tutorial Program has recognized VNRVJIET as ***SPOKEN TUTORIAL*** IIT Bombay's ***Nodal Resource Centre NRC) for Telangana Region.***

Spoken Tutorial is a video session explaining the subject with a screen cast and narration. It can be used for various topics and domains ranging from purely technical to mundane but common issues. For instance, one can explain how to register an account for online train ticket booking.

Spoken Tutorial has the potential to make India, an IT literate nation. "Spoken Tutorial is really beneficial for learners as it is Free and Open Source Software (FOSS).The tutorials are dubbed into various Indian languages.

Spoken Tutorial is part of Talk to a Teacher project of National Mission on Education through ICT under MHRD.

**Key benefits:**

- Excellent self-learning methodology
- Scale up of workshops is possible
- Can learn in a language of one's choice
- Can learn at a convenient pace
- Can learn at a convenient time

***Memorandum of Understanding- ESCI***

The Memorandum of Understanding (MoU) is made on 11th day of November 2021 between Engineering Staff College of India hereinafter referred to as “ESCI” represented by its authorized officer **“Director and Vallurupalli Nageswara Rao Vignana Jyothi Institute of Engineering and Technology** hereinafter referred to as “VNRVJiet represented by its authorized officer “Dr.C.D. Naidu, Principal.”

ESCI/IEI has vast network of centres spread across India with a credible track record of serving the students, faculties, working professionals, government officials and corporates on various domains has it strong Industry network, international partnerships and vast experience in delivering up-skilling and innovation Programmes in latest technologies.

This collaboration has a Potential to create huge positive impact at grassroots level. In all the collaborative programmes, there will be a special focus on Women empowerment too. The parties hereto are desirous of recording the terms and conditions of their agreement in writing.

***Achievements***

- The centre is recognized as **‘Nodal Resource Centre for Spoken Tutorials’**.
- Around 48 faculty members attended workshop on “Use of ICT in Education for Online and Blended Learning” conducted by IIT Bombay out of which 14 faculty members were awarded top performers & 12 faculty members were Conferred with

**“Award of Excellence”** sponsored by SAP India Pvt. Ltd. and a cash prize of Rs. 5000/-.

- These faculty worked as **Associate faculty** for the AICTE sponsored FDP program on ICT Methods being conducted by IITB, as part of NMEICT Initiative for faculty across the Nation.
- The faculty members served as mentors for FDP301x Mentoring Educators in Educational Technology.
- The Centre conducted various Workshops, Guest Lectures & FDPS on different topics related to ICT and other teaching learning methods.

### ***Photos***







**Report Prepared by:**  
Ms. Prativa Rani Saha  
Dr. S. Kanchana