

Spoken Tutorial courses' are effectively designed to train a novice user, without the support of a physical teacher.

- Free and Open Source Software for Education (FOSSEE): FOSSEE is a project promoting the use of open source software in educational institutions (<http://fossee.in>). It does through instructional material, such as spoken tutorials, documentation, such as textbook companions, awareness programmes, such as conferences, training workshops, and Internships. Textbook Companion (TBC) is a collection of code for solved examples of standard textbooks. About 2,000 college students and teachers have participated in this activity and close to 1,000 TBCs have been created in Scilab and made them available for free download.
- Virtual Lab: The Virtual Labs Project is to develop a fully interactive simulation environment to perform experiments, collect data, and answer questions to assess the understanding of the knowledge acquired. In order to achieve the objectives of such an ambitious project, it is essential to develop virtual laboratories with state-of-the-art computer simulation technology to create real world environments and problem handling capabilities. There are about 225 such labs operational, with more than 1800 experiments and benefitted more than 15 lakhs students.
- **E-Yantra:** e-Yantra is a project for enabling effective education across engineering colleges in India on embedded systems and Robotics. The training for teachers and students is imparted through workshops where participants are taught basics of embedded systems and programming. More than 275 colleges across India have benefited with this initiative. All the projects and code are available on the e-Yantra web-site [www.e-yantra.org](http://www.e-yantra.org) as open source content.

All the above schemes are not any state specific scheme, these are available to all across the country, including Karnataka.

#### **Point of Sale transactions**

2085. PROF. M. V. RAJEEV GOWDA: Will the Minister of ELECTRONICS AND INFORMATION TECHNOLOGY be pleased to state the target and achievement of Point of Sale (PoS) transactions for each year, since 2014, year-wise?

THE MINISTER OF ELECTRONICS AND INFORMATION TECHNOLOGY (SHRI RAVI SHANKAR PRASAD): Yes Sir. As per Allocation of Business Rules, work related to 'Promotion of Digital Transactions including Digital Payments' has been allocated to MeitY on 13th Feb, 2017. Since then no year wise target was assigned for Point of Sale (PoS) transactions. As per the data available on POS transactions from the Reserve Bank of India (RBI) portal, the transaction numbers are as follows:

Financial Year	Number of PoS Transactions (crore)
2014-15	142.321
2015-16	255.928
2016-17	348.643
2017-18	474.855
2018-19	617.687
2019-20 (Till May' 19)	115.523

#### **Digital payments and other services**

2086. SHRI VIJAY GOEL: Will the Minister of ELECTRONICS AND INFORMATION TECHNOLOGY be pleased to state:

- (a) whether the number of digital payments has shot up in the country during the last three years;
- (b) if so, the details thereof, year-wise and State-wise; and
- (c) the details of different key services like insurance, PAN card applications or ticket booking availed at Common Services Centres (CSCs) during those years, year-wise and service/head-wise?

THE MINISTER OF ELECTRONICS AND INFORMATION TECHNOLOGY (SHRI RAVI SHANKAR PRASAD): (a) and (b) Yes, Sir. The number of digital payments has shot up in the country in past 3 years. Please find below the data on growth of digital payments for the past three years.

Year	2016-17	2017-18	2018-19
Digital payment Transaction volume (in cr.)	1004	2071	3134

(Data Source: NPCI, RBI, Banks & PPIs)