

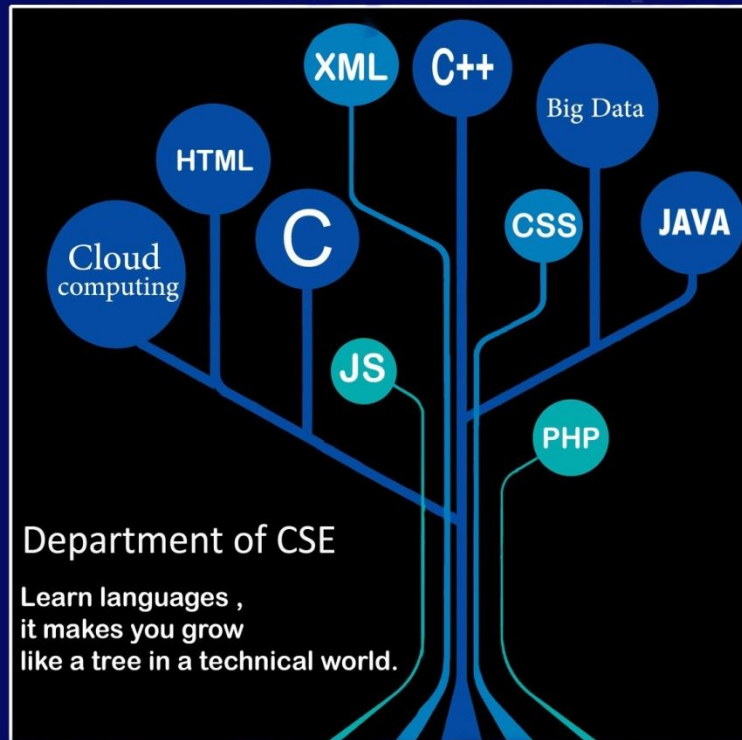


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Glance

January - 2016 A Brief Intro About the department

KKR & KSR Institute of Technology & Sciences



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HOD's Message:



Prof. R.Ramesh

Prof. R. Ramesh, the main backbone of the course is educating the student's knowledge of computer and its engineering as almost all fields are computerized to have ease of handling the problems of designing, manufacturing, maintenance, servicing, researching, marketing and accounting.

His only motto is to make students expertise in Computer Engineering Program includes computer operations on different languages, data generation, collection and utilization of information.



Dr.M.S.S.Sai

Dr.M.S.S. Sai is from Department of Computer Sc. & Engineering and he opines that this department will excel nationally and distinguish itself as a recognized pre-eminent leader in imparting knowledge to students and establish State of the Art Research centre in its domain.

His sole mission is to develop students to be competent and professional solution providers, Competent to learn Emerging Technology, yet be Responsible citizens who will create wealth for the nation.

Article: Raspberry Pi



The **Raspberry Pi** is a series of credit card-sized single-board computers developed in the United Kingdom by the Raspberry Pi Foundation to promote the teaching of basic computer science in schools and developing countries.

Several generations of Raspberry Pis have been released. The first generation (**Raspberry Pi 1 Model B**) was released in February 2012. It was followed by a simpler and inexpensive model **Model A**. In 2014 the foundation released a board with an improved design in **Raspberry Pi 1 Model B+**. The model laid the current "mainline" form-factor. Improved A+ and B+ models were released a year later. A cut down "compute" model was released in April 2014, and a **Raspberry Pi Zero** with smaller size and limited input/output (I/O) and general-purpose input/output (GPIO) abilities was released in November 2015 for US\$5. The **Raspberry Pi 2** which added more RAM was released in February 2015. **Raspberry Pi 3 Model B** released in February 2016 is bundled with on-board WiFi and Bluetooth. As of 2016, **Raspberry Pi 3 Model B** is the newest mainline Raspberry Pi. These boards are priced between US \$20–35.

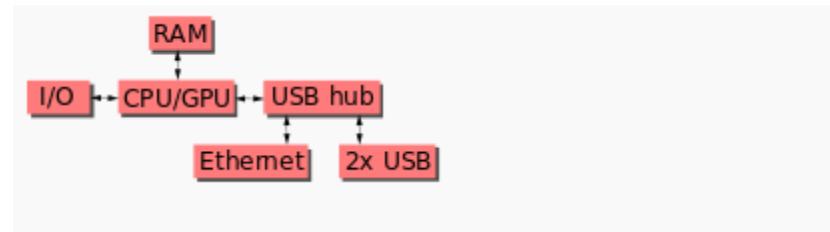
All models feature a Broadcom system on a chip (SoC), which includes an ARM compatible central processing unit (CPU) and an on chip graphics processing unit (GPU, a VideoCore IV). CPU speed ranges from 700 MHz to 1.2 GHz for the Pi 3 and on board memory range from 256 MB to 1 GB RAM. Secure Digital (SD) cards are used to store the operating system and program memory in either the

SDHC or MicroSDHC sizes. Most boards have between one and four USB slots, HDMI and composite video output, and a 3.5 mm phone jack for audio. Lower level output is provided by a number of GPIO pins which support common protocols like I²C. The B-models have an 8P8C Ethernet port and the Pi 3 has on board Wi-Fi 802.11n and Bluetooth.

The Foundation provides Raspbian, a Debian-based Linux distribution for download, as well as third party Ubuntu, Windows 10 IOT Core, RISC OS, and specialised media center distributions. It promotes Python and Scratch as the main programming language, with support for many other languages. The default firmware is closed source, while an unofficial open source is available.

In February 2016, the Raspberry Pi Foundation announced that they had sold eight million devices, making it the best-selling UK personal computer, ahead of the Amstrad PCW. Sales reached ten million in September 2016.

The Raspberry Pi hardware has evolved through several versions that feature variations in memory capacity and peripheral-device support.



This block diagram depicts Models A, B, A+, and B+. Model A, A+, and the Pi Zero lack the Ethernet and USB hub components. The Ethernet adapter is internally connected to an additional USB port. In Model A, A+, and the Pi Zero, the USB port is connected directly to the system on a chip (SoC). On the Pi 1 Model B+ and later models the USB/Ethernet chip contains a five-point USB hub, of which four ports are available, while the Pi 1 Model B only provides two.

Ch. Venkatesh , 2nd year

Staff Achievements:

- ❖ **Mrs.Chittineni Aruna** from CSE Department has attended and presented a Research Paper in an **International Conference On “Innovative Research In Engineering And Technology” (IRET-16) Scheduled On JAN. 21-22, 2016 at Bangkok (Thailand)** organized by International Association Of Engineering & Technology Researchers in association with International Institute Of Engineers.
- ❖ **Mrs.Chittineni Aruna** from CSE Department has attended and presented a Research Paper in an International Symposium of Information and Internet Technology (SYMINTTECH'2016) Organized by Malaysia Technical Scientist Association (MALTESAS) in association with University Malaysia Pahang **From On 26 – 28 January 2016 in Malaysia.**
- ❖ **Mr.A.VeeraRaghavaRao** has completed the 3 months prolearn program on 21st January,2016.

Placements:

- ❖ **INFOSYS** company on-campus drive held on 08-01-2016 in the campus, 3 members got selected in the company with 3.2 lacks package.
- ❖ **MINDTREE** company pool-campus drive held on 22-01-2016 in GCE campus, 2 members got selected in the company with 3.2 lacks package.

INFOSYS

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