Welcome to **Techworld**

Its pleasure for us to publish our first edition of **TechWorld**. This is an unique technical magazine for Electrical, Electronics and computer science. This magazine is going to be a bridge between Industries and Technical students. In every issue we assure that there will be new technical information is guaranteed. For this we designed the topics like Standards, Industry Expects, SeePU, InCampus, CEassy, Watsup, WeeEye, J4F….

In Standard: we are going to explore standards and protocols like RS232, IIC, SPI, CAN, USB, TCP/IP, GSM, Bluetooth, Zigbee, WLAN, UMTS, LTE, etc

Industrial Expects is for those who wants to clear there campus and get placed in the Industries.

In SeePU: One can find the hidden Processing unit of the appliances and its working. In this session one can know in depth about the processors.

InCampus: This topic is about hot happenings events in your campus.

CEasy: This topic is to make the only existing old computer language **C Easy**

WatsUP: In this one can get Tips and technique for cracking UPSC, GATE, CAT, TOFEL, IFELTS, etc… from those who cleared these exams.

WeeEye: In this topic one can get knowledge from Basic Electricals to advance Power systems

J4F is the place where you can relax from Technical

We hope these topics will be more informative to you and we expect your support.

Post your reviews, comments to our mail id.

Soon we will plan to expand in other technical areas.

Don’t Forgot to share a word about **TechWorld** to your friends…..

C Easy:

In this edition, we are going to see the history and why this language is in use. As many of you know this is the primary programming language taught for all technocrats not only for computer technician.

History of C:



AT &T Bell Labs is famous for its well known products in semiconductor industries. In AT&T Bell labs, Ken Thompson involved in a project of developing an operating system. Assembly Level programming is used for develop first operating system called UNIX. Due to the programming and portability issue, using this OS is cumbersome. Meanwhile Dennis Ritchie wants to develop a language from the languages like B, BCPL present during that period to fix these issues. Thus C born in the year between 1969 and 1973 for UNIX. Ken Thomson and Dennis Ritchie rewrote UNIX in C.

Later due to extensive features many started to adapt C, this leads to development of many flavour in C. The original official C language was the “K & R” C, the nickname coming from the names of the two authors of the original “The C Programming Language”. In 1988, the American National Standards Institute (ANSI) adopted a new and improved version of C, known today as “ANSI C”.

In 1990, the ANSI C standard was adopted by the International Organization for Standardization (ISO), which is called C90. The terms ‘C89’, ‘C90’ and ‘C99’ are the ISO standards of C programming language. C11 is the latest standard from ISO. Every standard contains many revisions to the syntax and the internal workings of the language.

GNU C Compiler (GCC) is widely used C compiler in Real Time.

C is extensively used in software industry, Mainly in Embedded, Database management, etc.

Hello World!!!

All programming language starts with the Hello World Program. This is because in K&R book he explained with a model code called ‘Hello World’ to explain the concepts. We too start our exploring with Hello World

main()

{

printf("hello, world**\n**");

}

Since C is a structure language, every code starts execution from main function. In the above code printf function is used to print the respective string/data in console. In real world printf is generally used to test the working.

Main is the user defined function whereas printf is the function defined in the system library (stdio).

From next edition we will start exploring C in depth…