

# SEASONAL DELIGHTS

# Spring Splash

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**(Oct - Nov) Wednesday 30th Nov 2011**

ನಮ್ಮ ಕನ್ನಡ

ଦୁଇକିମନ ଭାଷାରେତ୍ତଳ ପ୍ରାଚୀନତାର ଭାଷାଯେ  
କେନ୍ଦ୍ରରେ ଏଠା ହେଲାଗିଥିଲା. କେନ୍ଦ୍ରରେ ମୁଦିଯନ୍ତିର  
ଅଜ ଦଶଲଙ୍ଘ ଜନରୁ ବିଧିରେ ଯାହାରେ ବାରାନ୍ଦିଶ୍ଵର

ଇମୁ ଭାରତଦ ଅଧିକୃତ ଭାଷାଗୀଚିହ୍ନ ବଳଦ  
କାହାଁ କେନାଟକଦ ଅଧିକୃତ ଭାଷା କଣ୍ଠରୁ ଦେଖିଲ  
ଭାରତଦ ଭାଷାଗୀଚ ମୂଳପେଂଦୁ କରେଯିଲ୍ଲେପ୍ତ,  
ଦ୍ରୁବିଦରୁ ଯାବାଗ ଇନ୍ଦ୍ରନ୍ଦ୍ର ଆଦିଭାଷୀଯାଗି  
ପେରିପତ୍ରିଶିଦରୁ ହଂଦୁ ବଜିତିଵାଗି ହେଲଲୁ  
ନାଧ୍ୟବିଲ୍ଲ, ତୁମିତି ଭାଷୀଯ ଦ୍ରୁବିଦ ଭାଷାଗୀଚିହ୍ନଦ  
ବୀପେଣ୍ଟ୍ର ନମୁଯିଦିଲ୍ଲେ କଣ୍ଠରୁ ଆମୁ ଭାଷୀଯାଗି  
ବୀପେଣ୍ଟ୍ରତିମୁ ହେଲାଗାଇଦ.

କେନ୍ଦ୍ର ଭାବୀଯ ଅଳ୍ପିମ୍ ସୁମାରୀ ଜୟୋତି  
ଜୟୋତି ପ୍ରକଟଣଗାରିତିଲୁ ହେଲୀଯିଦୁ ଓ ନେଇ  
ଶତମାନଦ ହେଲାଏ ଆଶନଦ ସମୟକୁଟୀର୍ଣ୍ଣି  
କେନ୍ଦ୍ରରେ ନାହିଁ ଅଭିଵୃଦ୍ଧି ହୁଏନିରୁ ଅଳ୍ପିମ୍  
ଲାଗିପାଦ ଇତିକାନ୍ତରେ ଗପିବାରେ ତାହିଁ  
ତମିତିଗିତିଲୁ ମୋଦିଲେ ବିନ୍ଦିତ କାହିଁପାରିବା.

ಕೆನ್ನಡ ಭಾಷೆಯನ್ನು ನಾಲ್ಕು ಭಾಗವಾಗಿ  
ವಿಂಗಡಿಸಲಾಗಿದೆ

(ಗ) ಮೂವೆ ಹಳೆಗನ್ನಡ [ ಅನಿಶ್ಚಿತ ಶರೀರದಲ್ಲಿ ದಿಂದ  
ಉನ್ನೇ ಶರೀರದವರೆಗೆ ]

(೭)ಹಳೆಂಗನ್ನಡ [ ಇನೀ ಶತಮಾನ ದಿಂದ ಗು ಸೇ ಶಾಸಕರಾಜುಗಳಲ್ಲಿ]

(కి) నడుగన్నడుగుని శతమాన దింద గల  
వేళాకుపోవడందిగింది ।

(ಇ)ಹೆಚ್ಚಿನವ ಸ್ಥಾಪನೆಯ ಅಂತರ್ಭಾವ ನಿರ್ದಿಷ್ಟ ।

ପ୍ରେସର୍‌ଜେଟ୍‌ରେ, ପ୍ରତିକିର୍ଣ୍ଣ କାଗ୍ଜ ଅନ୍ତର୍ମୁଦ୍ର.  
ସଂଷ୍କୃତର ବ୍ୟାକରଣଦିଲ୍ଲ ମୁହଁ ଅଠା [ମୁହଁଅଠା,  
ଶ୍ରୀଅଠା, ନମମଂଶେଅଠା] କେନ୍ଦ୍ରଦିଲ୍ଲ ଲାଲୁ ଅଠା  
[ଶ୍ରୀଅଠା, କେନ୍ଦ୍ର ମାନୁଷ,ଅମାନୁଷ] ଏବଂ ସଂଗତି  
କେନ୍ଦ୍ର ପତ୍ରନାଶିଂଦ ତିଳଦୁଲିଦିନ କେନ୍ଦ୍ର  
ବାହୀଯିଲ୍ଲ ମାତନାଦ୍ଵୀପଦୁଵ [ଆଦୁଭାବ] ମତ୍ତୁ  
ବରୀ ଯାଇଲୁଥିବ [ବରୀକ]ରାହଗର୍ଜ ନାହାବ  
ବ୍ୟାକୁଶୋଇବେ ମାତନାଦ୍ଵୀପ ଶ୍ରୀଅ ଶ୍ରୀଚିନ୍ଦିନ ଶ୍ରୀକୃତୀ  
ବ୍ୟାକୁଶୋଇଲ୍ଲକୁତ୍ତିଦେ କାଗାରି କେନ୍ଦ୍ରଦିଲ୍ଲ ୭୦  
ବିଧାଗର୍ଜିବେ ଇନ୍ଦ୍ରୀଲିମ୍ ବିଶେଷପାଦ ବିଜାରହେବିଦେ  
ନମ୍ବୁ କେନ୍ଦ୍ର ଭାଷୀର ଭାରତ ସକାରରୁ ୧୦୦ଲ  
ରଙ୍ଗ ଶାସ୍ତ୍ରୀୟ ସାହମାନପମ୍ବୁ ନିରାକିଦେ ମତ୍ତୁ ଲ  
ଜ୍ଞାନଶିଳ୍ପ ଶ୍ରୀଶ୍ରୀଯିନ୍ଦ୍ର ନିରାକାରିଦେ ଅଧିରଙ୍ଗ ନମ୍ବୁ  
ଦେଶଦର୍ଶକୀୟ ମୌଦର ନାନାଦାତିଦେ.

Vinayaka N (MCA I Year)

Arun Kolhapur (MCA II Year)

ಕನ್ನಡ ಎನೆ ಉಂಡಿದಾಡುವುದನ್ನೇ  
ಕನ್ನಡ ಎನೆ ತಿನಿನಿಯಿರುವುದು!  
ಕಾಮನ ಬಿಲ್ಲಮ ಕಾಣವ ಕವಿಯೋಲು  
ತಕ್ಕನೆ ಮನ ಮೈ ಮರಿಯುವುದು!

କୁଣ୍ଡ କୁଣ୍ଡ କା ସାଗିନ୍ଦ୍ର  
ବାଲୁପୁରୀତେକେ ମନ୍ଦି ଏଲେ ଜୀବ!  
ସିରିଗୁଣ୍ଡରଦିଲ କପିତୟ କାହେ  
ସିରିଗୁଣ୍ଡ ଦେଖିଯାନ୍ତି ମେଳେ!  
କଷ୍ଟଦ ତାଯିଯ ସେବୟ ମାଦେ!

--ಕುವೆಂಪು

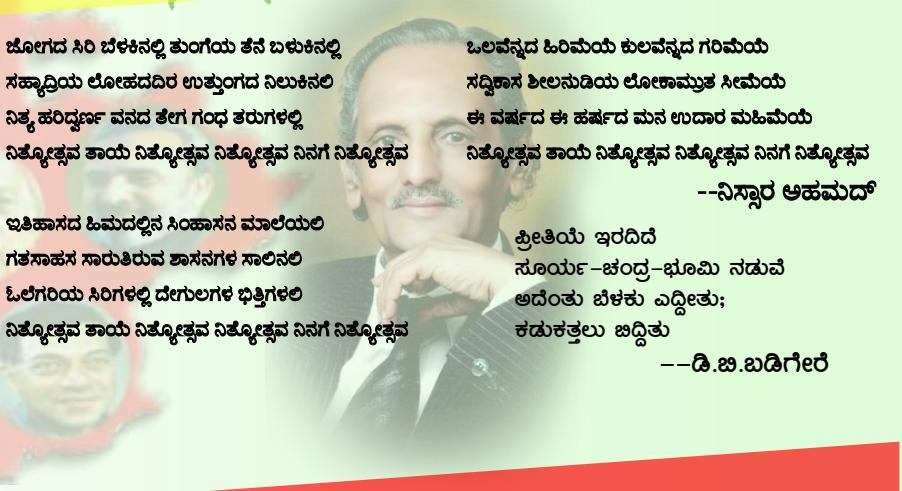
ଜୋରଦାର ଦିନ ବିଚଳନାରେ ପୁଣିଗୀଯ ତେଣ ବିକୁଳନାରେ  
ସମ୍ମାନିଯ ଲୋକଦିର ଖାତ୍ରୀଙ୍କର ନିଲୁକଣିଲ  
ନିକ୍ଷେତ୍ରରେ ପ୍ରଦୀପ ପାଦ ଦିଲେ ତେଣ ଗଂଧ ତରୁଗେଲ୍ଲୁ  
ନିକ୍ଷେତ୍ରରେ ପାଦ ନିକ୍ଷେତ୍ରରେ ନିକ୍ଷେତ୍ରରେ ନିକ୍ଷେତ୍ରରେ

ଭିକ୍ଷାସଦ ହିମଦିଲ୍ଲିନ ସିଂହାସନ ମାତ୍ରିଯିଲ  
ଗତ୍ତଶାକ୍ତ ସାଧୁତିରୁ ତାଙ୍କୁଣିତ ସାଲନି  
ପିଲାଗିରିଯ ଶିରିଗାଳିଲ୍ଲ ଦେଖିଲାଗି ଭୁଗ୍ରାଳ  
ନିଶ୍ଚଳିତ ତାଯ ନିଶ୍ଚଳିତ ନିଶ୍ଚଳିତ ନିଶ୍ଚଳ

ఒలవేస్తే కిరిమయి లులవేస్తే గరిమయి  
గద్దినాన తేలనుడియ లోకాన్ముక సిముయి  
ఈ వెంటద ఈ హండ మన లుదార మహిమయి  
నిష్టుభవ తాయి నిష్టుభవ నిష్టుభవ నినో నిష్టుభవ

ଶ୍ରୀତିଯି ଇରଦିନ  
ମୂର୍ଖ-ଚେଂଦ୍ର-ଭୂରମ୍ବି ନକୁପେ  
ଅଦେଂତୁ ବିଚକୁ ଏହିତୁ;  
କେନୁକେତଳୁ ଜାଧିତୁ

--ଶ୍ରୀ ଜ୍ଞାନାଲ୍ଲିଙ୍ଗେ





## Discovering innovation through Corporate Visit



Infosys in today's world is rated as one of the most recognised multinational companies. It's not only recognised globally for its business and marketing but also for its fabulous infrastructure.

12<sup>th</sup> November was the day when we got a chance to walk into this indigenous MNC to know more about it and to experience its amazing campus. Located at Electronic City, Bangalore, the Infosys campus has additional features of helipad, cricket, football and hockey ground, a 487 room hostel, 1350 seater auditorium, 7 food courts etc..



An Infosion named Ramanathan guided us to the auditorium, where students from the several colleges had assembled. One college had also come from Mumbai for this event. The day started with an introductory session by the host Mr. Dattatreya who also gave us a detailed information about the campus and the progress of Infosys towards becoming one of the noted software development firms in the world.

The speech and the video they played boosted up the confidence level of each and every student and gave them idea about the foot step into the corporate world and the way it works. After lunch the second session consisted about cloud computing, the emerging technology and its benefits. The final session had a GD round conducted to make the students aware of the important of communication and the qualities expected from us when we try for getting a job in these organizations .

The industrial visit was thus highly inspiring and informative for all of us. It gave us a clear knowledge of the steps to be taken in the near future. Thanks to the MCA department, CMRIT for giving us this exposure towards the corporate world.

-Vinod Kumar, SoumikGhosh

MCA I Year.

***"Progress is often equal to the difference between mind and mindset."***

**- N. R. Narayana Murthy**

## Knowledge by acquaintance to IBM RFT



IBM is a well reputed organization and it has grown into a very prestigious brand in our country. It recruits thousands of people every year. When a person starts his career as a fresher at IBM, he/she can ensure a promising career ahead.

Mr. Kunal dealt with the current topics which are being used in the Testing field and discussed how is it being implemented, what are the steps to be taken to develop a career as a tester, which was highly educative.

We are fortunate that our college is tied up with such a company, which boosts our confidence by conducting regular trainings on current technologies.

The final day of the workshop went on really well. We had a summarization of what we had done in entire session followed by a mock test , which built in confidence to the students.

We recently had Mr. Kunal Bhagat who conducted a workshop on RFT.

And hereby I would like to thank Mr. Kunal, IBM Trainer for training us. Five faculties and 47 students have been Certified through this training.



The work shop went on for four days with the concepts being covered for the first two days, and the third and fourth day being really interesting as we had the practical session which kept us enthusiastic.

Nikitha V. K.  
MCA I Year

# JOURNEY OF ABHYUDAY



It all began with the excitement of representing CMRIT at a National Level Fest, organized by MCA Department, MSRIT which was a four days event.

A team of 11 students on 9th Nov, gathered to make our registrations and to make a mark. The day started off with Inauguration and headed to preliminaries of different events. The first event of the day was Web Designing , in which Narendra. N, represented our college followed by Group Discussion (GD) in which Jisha C R and Nikitha V.K. took part .The first day ended with good news; we were into finals of both the events.

Second day was more hectic one with all other event being organised.

The team of Narendra, Rahul, Deansh, Feroz and Avinash participated for Counter Strike (Gaming event). In the Treasher Hunt(Treasure event) Rahul and Jijo took part and Pratip in Codeguru

(Programming Event). In the Naa-Tech Event (Technical Skit) Jisha, Jijo, Rahul,Feroz, Deansh and Nikitha tried to entertain the audience.

On the third day, finals of web designing , Group dissclusion and Naa-Tech were supposed to take place and we were tense but we held our nerves and gave our best effort .

Final day was a day of immense excitement as the results of all the events were to be announced, and to our surprise and happiness our hard work paid off as we bagged the First place in Web Designing and Third in Naa-tech.

It was real team effort indeed and we shall carry this experience with us.

Narendra .N

MCA I Year.

"To succeed in your mission, you must have single-minded devotion to your goal."

— Dr. A P J Abdul Kalam

## Sahyog-Helping Hand



It is a ritual followed by CMRIT and a notable step to make every individual think about the society. I have called it a ritual because, this SAHYOG is being implemented from years by the Department of MCA, CMRIT and I was indeed very happy to be part of it.

A week before we planned to take this step, the first thing we decided was the place or you can say it as we were discussing on who needed our help the most, it's then our faculty decided we will be serving the old people at "NAVA JEEVANA NILAYA", located at Kundalahalli Gate.

When we started off, there were many ideas on what to give them. It is then we realized the three things important in man's life; Food, Clothing and Shelter. They were fortunate to have a well-maintained Shelter owed to the Karunashraya Trust. We decided to sup-



port by contributing Food and Clothing. So, we purchased Rice, Dal, sugar, fruits, sweets, Blankets, Glasses and other basic amenities. Few took a step further by getting old clothes from their home and indeed we were successful in collecting many things we needed.

On the afternoon of Saturday, 29th October 2011, we gathered at the organization and asked the inmates about their life there, spent a quality time with them, distributed whatever we had and built a strong belief in them that "Humanity still exists" in the society and we are there for them, filling our hearts with satisfaction.

Jisha. C. Ramadas  
MCA I Year

# Kanakadas Jayanthi

Kanaka Nayaka being of the warrior community, his defeat in the field of battle, directed him to the path of devotion. He came to be called Kanaka Nayaka by the people as they found a treasure-trove of gold. Kanakadas was well educated and capable of analyzing the society microscopically. He was also a social reformer and fought against caste system and untouchability. He used to criticize the caste system through his poems and bring social reforms. He has composed many songs in praise of Lord Krishna and other incarnations of Lord Vishnu.

Kanakadasaru was great poet, philosopher, musician and composer from Karnataka. He is known for his Kirtanes and Ugabhogas compositions in the Kannada language for Karnataka Music.

- Ozriginal Name: Thimmappa Nayaka
- Caste: Kuruba (warrior community) family

- Parents: Father : Biregowda
- Mother : Beechamma
- Birth Place: Kaginele in Haveri district.
- Period: 1509-1609 A.D

His writing started showing his innovativeness in using day to day activities of common man. For e.g. Ramadhyana Mantra is a poetic expression of conflicts between rich and poor classes where he uses ragi (staple food of poor and high in nutrients) and rice (main food of rich but not as rich in nutrients) to synonymously represent the poor and rich.

The compositions of Sri Kanakadas reveal a perfect mastery of Sanskrit and Kannada literature and show that he was well-versed in contemporary literature. He styles himself “Kanakadasottama” in his Mohanatarangini. Kanakadas revels his compositions in a strong, fighting style that delivers the message directly. Unlike Purandaradas,

he was a “free-thinker” or “liberal thinker”. In his opinion Caste and creed were no barriers to *moksha*, where *Bhakti* alone counted for it.

Kanakadas has written about two hundred forty Karnataka music compositions. Here is the list some of the major works:

Nalacharitre (Story of Nala), Haribhaktisara (crux of Krishna devotion), Nrisimhastava (compositions in praise of Lord Narasimha), Ramadhanyacharite (story of ragi millet) and an epic Mohanatarangini (Krishna-river).

He also wrote numerous devotional songs including “Mundiges”. His portrayal of feelings is vivid and penetrating. He can be most homely and sublime as the occasion demands and rises to inimitable perfection of art.

Sandeep K.N. Iyear MCA

No matter how long the winter, spring is sure to follow.

~Proverb

## Basavanna

It is believed that **Basava** was born into a Veerashaiva family residing in a small town of Ingaleshwari, now known as **Basavana Bagewadi** in Bijapur district of Northern Karnataka, India in 1134 AD.

He left Bagewadi and spent the next 12 years studying Sangameshwara, the then-Shaivite school of learning at Kudala Sangama. **Basavanna** invented the *Ishtalinga*. He was driven by his realisation; in one of his Vachanas he says *Arrive Guru*, which means Knowledge is one's Teacher. Many Contemporary Vachanakaras (people who have scripted Vachanas) have described him as *Swayankrita Sahaja*, which means self-made.

**Basavanna** gives perfect shape in the form of Ishtalinga to the formless and absolute GOD. Thus, Ishtalinga represents the eternal, omnipresent, and Absolute GOD. The **Kudala Sangama Deva** is the insignia of all his vachanas in Kannada.

In honour of Basava, then President of India, Dr. APJ Abdul Kalam inaugurated the statue of Basaveshwara on April 28, 2003 in the Parliament of India in New Delhi.

His teachings and preaching, which are universal, go beyond all boundaries of belief systems. He was a great humanitarian and preached a new way of life wherein the divine experience is the center of life regardless of gender, belief, tradition, religion, caste, social status or whatever. The key aspect of his preaching is monotheistic concept of God. A true visionary with ideas ahead of his time; he

envisioned a society that flourished enriching one and all. He was a great mystic, of his time and originated a literary revolution through his literary creation called Vachana Sahitya

Basava spread social awareness through his poetry Known as VACHANAS

**BasavaNNanavara vachana**

ಜ್ಞಾನದ ಬಲದಿಂದ ಅಜ್ಞಾನದ ಕೆಡು ನೋಡಯ್ಯ  
ಜ್ಞಾನತೀಯ ಬಲದಿಂದ ತಮಂದ ಕೆಡು ನೋಡಯ್ಯ  
ಸತ್ಯದ ಬಲದಿಂದ ಅಸತ್ಯದ ಬಲ ಕೆಡು ನೋಡಯ್ಯ  
ಪರುಷದ ಬಲದಿಂದ ಅಪರುಷದ ಕೆಡು ನೋಡಯ್ಯ  
ಕೂಡಲ ಸಂಗತಿ ಶರಣರ ಅನುಭಾವದಿಂದ  
ಎನ್ನ ಭವದ ಕೆಡು ನೋಡಯ್ಯ

Meaning:

By the power of knowledge, is the destruction of ignorance, You see.  
By the power of light, is the destruction of darkness, You see.  
By the power of truth, is the destruction of falsehood, You see.  
By the power of paruSha stone, is the destruction of iron, You see.  
By the experience of the refugees of Lord of kUDala sangama, is the destruction of my birth cycle, You see.

Pratima V Patil  
Lecturer





## Freshers Welcome ceremony

Our daily sessions were running with usual zeal when the news that we would be given our Freshers welcome after the 1<sup>st</sup> internal exams, on the 5<sup>th</sup> of November, got us really charged.

We were informed about the timing and venue beforehand. So on the most awaited day, i.e., 5<sup>th</sup> Nov., we reached our College around 10:00 am and the venue was a hall room above our MCA dept. building.

When we, the MCA 1<sup>st</sup> year students arrived, we were cordially invited by all our seniors of 2nd and 3rd years. I felt very happy at seeing the room highly decorated with balloons, candles etc. and was very excited to be a part of such a happening party.

After that, we were greeted by the faculty members of MCA Department, led by our HOD, Mrs. Rachna Sharma.

The program started at around 11 am. First we were all greeted with roses by our seniors. Then we had a welcome speech by our

HOD Ma'am, where she greeted all of us and discussed about the various aspects of our Department. This was followed by a game which was planned and coordinated by our seniors only. For the game, plenty of chit papers were kept on a table and the chit papers contained some character which we had to enact accordingly. We were called one by one randomly by the seniors and we had to pick up a chit and read what it says and had to enact upon accordingly. When my turn came I went and picked up a chit and it was written that all of us had to be called by our names one by one and they had to give an introduction about themselves. After the introduction session ended we found that it really helped our seniors to know all of us properly and it helped us to be friendly with each other. After that a Dumb Charades game was conducted for our entertainment where I had to dance. So I danced, even though my dance was not at all good; Moreover, I was looking funny

yet it was entertaining as everyone clapped loudly after my performance. All my friends who were called to pick up the chits had to perform one thing or the other. It was a very enjoyable game and it took a lot of time.

Moreover we had a really nice program and a very enjoyable Freshers Welcome Party. Thanks to all our Seniors who had organised the entire program and also to all our faculty members and our HOD Ma'am for their cooperation.

SOUMIK GHOSH

MCA I YEAR.

If we had no winter, the spring would not be so pleasant; if we did not sometimes taste of adversity, prosperity would not be so welcome.

~Anne Bradstreet

## Charge Your electric car on the move

Electric cars are clean, green and rather cool these days - even if they can't compete with conventional vehicles in terms of battery life and driving range. These disadvantages could disappear, however, with a system for wirelessly charging cars as they speed down the highway.

For this, Shanhui Fan and colleagues at the Center for Automotive Research at Stanford University in California, suggest using magnetic coils embedded in the roadway to create a weak field that resonates with a coil on the car to transfer power.

Power transfer of such a kind works on a similar principle to an opera singer shattering a glass by singing precisely the right note. In 2007, researchers at the Massachusetts Institute of Technology demonstrated that magnetic resonance could be used to transfer power wirelessly between two stationary objects 2 meters apart.

Fan, who presented his work at the Stanford Global Climate and Energy Project Symposium in October, won-

dered whether magnetic power transfer would be possible at highway speeds, and at levels sufficient for vehicles.

Accounting for the metal body and movement of the car, his calculations showed that a set of resonant coils and discs could transfer about 10 kilowatts with a 97 per cent efficiency within 7 microseconds - fast enough for the highway. The system, which the group has yet to build, should be safe because power can only be transferred between two objects whose resonance is very closely attuned.

There are two main benefits of highway wireless power, says Fan. A driver wouldn't have to fear getting stranded on the road with nowhere to plug in, and electric-car batteries could be smaller, cutting costs.

[Reference : [www.newscientist.com](http://www.newscientist.com)]

Tiju Thomas,  
MCA II Year



# About C

We have used **printf()** function with limited features of the text mode. The **printf()** function display is determined by the control string and escape sequences. The text was always in single color or white foreground and black background color.

The language supports various other text modes. The other text mode feature includes.

- Selecting desired text mode.
- Selecting normal, low and high video resolution.
- User-defined text screen.
- Identifying and locating text display position.
- Selecting text foreground and background color.

The text mode supports only ASCII character set and owing to this limitation, creation of geometrical shapes is difficult. In order to have the text mode functions work, we have to include the header file **<conio.h>**.

## Selecting Text Modes:

C supports not only the normal 25\*80 resolution screen but also supports **BW40** & **BW80** (Black and white 40 and 80 columns). The rows remain the same for all the modes i.e., 25 rows. **C40** & **C80**(Color mode specify 40 and 80 columns). It also supports monochrome, EGA and VGA modes.

E.g.: **textmode(1);**  
**Printf("Hello World\n");**

The output will be "Hello World", in color with 40 columns. The **textmode()** function selects a specific mode the argument may be **BW40**(or 0), **C40**(or 1), **MONO** (or 7), etc.,

## Selecting foreground and background color:

Text can be displayed with different foreground and background colors, by using the functions **textcolor()** and **textbackground()**.

The **textcolor()** function sets the foreground color for text. The supported colors could be specified using any value between **0-15** (or the color name in caps like **RED**, **WHITE**, **GREEN**, etc.). The

value **128** could be used for a blinking effect (or **BLINK**).

The **textbackground()** function sets the background color for the text in the text mode which supports 8 colors value between **0-7**(or use constants enumerated values like **BLACK**, **WHITE**, **BLUE**, etc.). For programs that produce text mode output directly on the screen, we can use the Console output functions like **cprintf()**.

E.g. **textcolor(RED);**  
**textbackground(GREEN)**  
**cprintf("Hello World\n");**

The output will be "Hello World" with red fore color and green background color. The BLINK constant can also be used with the **textcolor()** which makes argument in the **cprintf()** to blink.

E.g. **textcolor(4+BLINK); cprintf ("Its magic..! It's blinking....");**

The output in which the argument "**Its magic..! It's blinking....**" Will be blinking with red fore color.

## Selecting video modes:

There are three modes available in C; normal or default, low or high video modes those are used for video intensities. The C's video mode function are **highvideo()**, **lowvideo()** and **normvideo()** with no arguments.

E.g. **highvideo(); cprintf("High video mode\r\n");**  
**lowvideo(); cprintf("Low video mode\r\n");**  
**normvideo(); cprintf("Normal video mode\r\n");**

## Text output functions:

Certain features of text mode such as color, intensity etc, will not work with **printf()**, which is the default screen with white fore color and black background color. For this reasons, the text mode in C has its own functions **cprintf()** and **cputs()** that we have already used in the above examples. As these functions do not append a newline character, we have to use '\r' and '\n' escape sequence. E.g. **cprintf("C Programming Language");** or **cputs("C Programming Language");**

## Creating text window:

The function **window()** defines a text window with an area of four coordinates (**left, top, right, bottom**) on the screen. The **window()** function will not produce any border lines for the window area. The top-left corner values is always **(1, 1)** and the right value is always less than 25, but the columns value is depends on the columns.

E.g. **window(10,10,40,11);**  
**textcolor(BLUE);**  
**textbackground(WHITE);**  
**cprintf("Welcome to the C language\r\n");**

The above code will create a window in the users screen with blue foreground and white background color in between the screen.

## Positioning the text in the text mode:

The **gotoxy()** function moves the cursor to the given position in the current text window. It has two arguments (**x, y**). If the coordinates are greater than the window corners, they will be treated as invalid, and **gotoxy()** will be ignored. E.g. **g o t o x y ( 1 0 , 1 0 ) ;**  
**cprintf("Hello it position is 10, 10 ");**

The above code produce the output from (10, 10) for x and y-coordinate.

## Locating the current position:

When you have your own defined text windows, it seems essential to have a control over the text location in the window, rather than to leave it to the system. C supports **wherex()** and **wherey()** functions that help us in determining the current location of the cursor. **wherex()** returns the x-coordinate and **wherey()** returns y-coordinate of the current position. E.g. **gotoxy(10, 15); c p r i n t f ("Current Location is x: %d y:%d\r\n",wherex(),wherey());**

The above code will produce the output **Current Location is x: 10 y: 15**

Md. OubaidullaH  
MCA I Year.

# Webmin

Webmin is a web-based system configuration tool for Unix-like systems, although recent versions can also be installed and run on Windows. It helps to configure operating system internals, such as users, disk quotas, services or configuration files, as well as modify and control open source apps, such as the Apache HTTP Server, PHP or MySQL.

Webmin is largely based on Perl,

running as its own process and web server. For communicating, it defaults to TCP port 10000. It can also be configured to use SSL if OpenSSL is installed with the essential Perl Modules.

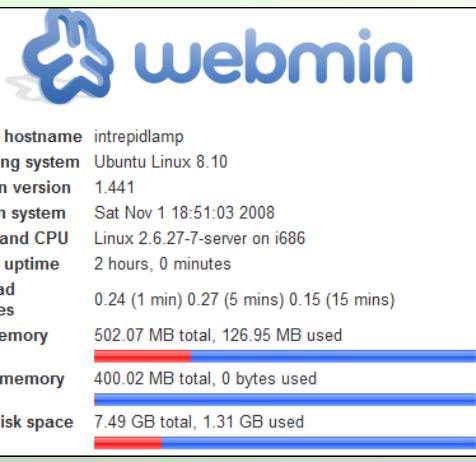
It is built around modules, which have an interface to the configuration files and the Webmin server. This makes it easy to add new functionality. Due to the modular design of Webmin it is possible, for anyone

who is interested, to write plugins for desktop configuration.

Webmin also allows controlling of many machines through a single interface, or seamless login on other webmin hosts on the same subnet or LAN.

Webmin is primarily coded by Australian Jamie Cameron and released under the BSD license and was released commercially on October 5, 1997.

Login: ruchi  
Webmin  
System  
Servers  
Others  
Networking  
Hardware  
Cluster  
Un-used Modules  
Search: \_\_\_\_\_  
  
View Module's Logs  
System Information  
Refresh Modules  
Logout



Swaroop S M,



Spring shows what God can do with a drab and dirty world.

~Virgil A. Kraft

## Selenium

Selenium was originally developed by Jason Huggins, who was later joined by other programmers and testers at [ThoughtWorks](#). It is [open-source software](#), released under the [Apache 2.0 license](#) and can be downloaded and used for free. The latest side project is Selenium Grid, which provides a hub, allowing concurrent runs of multiple Selenium tests on any number of local or remote systems, thus minimizing test execution time.

**Selenium IDE** is a complete [integrated development environment](#) (IDE) for Selenium tests. It is implemented as a [Firefox extension](#), and allows recording, editing, and debugging tests. It was earlier known as Selenium Recorder.

Scripts may be automatically recorded providing [autocomplete](#) support. They may also be edited manually and it provides the ability to move commands around quickly.

Scripts are recorded in Selenese, a special test scripting language for selenium.

Selenese provides commands for performing actions in a browser (click a link, select an option), and for retrieving data from the resulting pages.

### Features:

Record and playback  
Intelligent field selection will use IDs, names, or [XPath](#) as needed Autocomplete for all common Selenium commands

[Walkthrough](#) tests  
Debug and set breakpoints  
Save tests as Selenese, [Ruby](#) scripts, or other formats Support for Selenium user-extensions.js file  
Option to automatically assert the title of every page

### Selenium Grid

Selenium Grid is a server that allows tests to use web browser instances running on remote machines. With Selenium Grid, one server acts as the **hub**. Tests contact the hub to obtain access to browser instances.

The hub has a list of servers that provide access to browser instances (**WebDriver nodes**), and lets tests use these instances.

Selenium Grid allows to run tests in parallel on multiple machines, and to manage different browser versions and browser configurations centrally (instead of in each individual test).

Arun Kolhapur  
MCA II Year



# Happy Birthday Android

November 5<sup>th</sup> was the fourth anniversary of one of the most popular mobile operating system "Android". On Nov 5<sup>th</sup> 2007, the first version of Android (Beta) was officially released by Open Handset Alliance (OHA) which is a consortium of 84 companies including Google, HTC, Sony, Dell, LG Electronics, Intel, Samsung Electronics and others led by Google. Android relies on Linux version 2.6 for core system services such as security, memory management, process management, network stack, and driver model. The kernel also acts as an abstraction layer between the hardware and the rest of the software stack. Android has a large community of developers writing applications ("apps") that extend the functionality of the devices. Developers write primarily in a customized version of Java. There are currently approximately 3,00,000 apps available for Android, from a total

Version	Official Name	Release date
Beta	-	5 <sup>th</sup> Nov 2007
1.0	-	23 <sup>rd</sup> Sep 2008
1.1	-	9 <sup>th</sup> Feb 2009
1.5	Cupcake	30 <sup>th</sup> Apr 2009
1.6	Donut	15 <sup>th</sup> Sep 2009
2.0/2.1	Eclair	26 <sup>th</sup> Oct 2009/ 12 Jan 2010
2.2	Froyo	20 <sup>th</sup> May 2010
2.3.x	Gingerbread	6 <sup>th</sup> Dec 2010
3.x	Honeycomb	22 <sup>nd</sup> Feb 2011
4.x	Ice Cream Sandwich	19 <sup>th</sup> Oct 2011

of 5,00,000 apps over the life of Android. All applications are written using the Java programming language. The Android SDK provides the tools and APIs necessary to begin developing applications on the Android platform using the Java programming language. The Android SDK tools compile the

code—along with any data and resource files—into an *Android package*, an archive file with an .apk suffix. All the code in a single .apk file is considered to be one application and is the file that Android-powered devices use to install the application. In the era of mobile technology, Android has been showing its enormous presence attracting both users and Android application developers. Since its release in 2007, we have found Android's prospects in developing quality mobile applications. Android versions after 1.1 are named after desserts in alphabetical order as the table shows. The Android SDK can be downloaded from the web site <http://developer.android.com> for free.

Veni Pranavananda

MCA I Year



Almost all of our sorrows spring out of our relations with other people.  
— Arthur Schopenhauer

## Spring

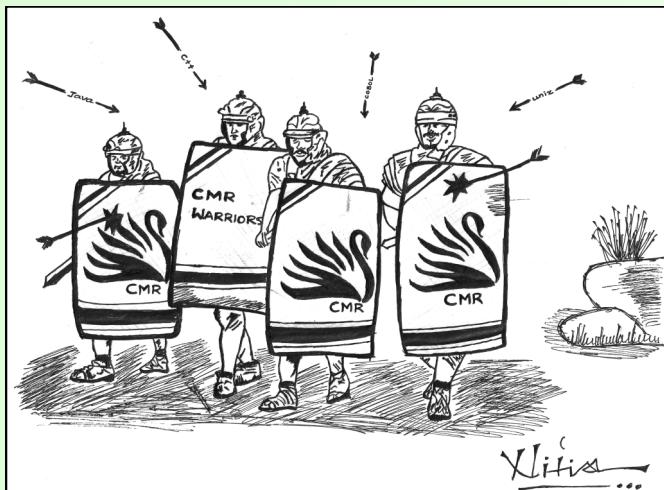
After a lazy and dull  
Season of winter,  
Coming of the Spring  
Causes a pleasant change  
In the nature.  
Which prepares a green stage,  
On which, colorful flowers smile,  
And cuckoos sing.  
It converts the earth  
Into a theatre.  
Keen cool wind becomes a humble  
host.  
It receives the boon of the season.  
To fill all the  
Joyful feelings  
In each creature.

The wood is decked in light green  
leaf.  
The swallow twitters in delight.  
The lonely vine sheds joyous tears  
Of interwoven dew and light.

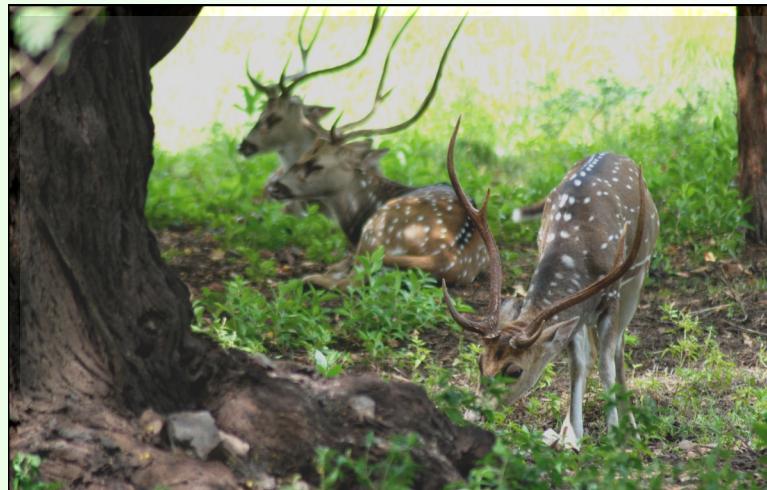
KUMAR PIYUSH  
MCA II Year



# Work of Art



Nitish Bhandagar  
MCA I Year



Veni Pranavananda  
MCA I Year



Namrata  
MCA I Year



Rahul Joseph  
MCA I Year

Our great poets deserve something more than just a goodbye or a single moment of Sadness. This issue splashes from the River of Love.

We dedicate this "Spring Splash "to all our great Poets and their work!

We invite Suggestions and contributions from students, alumni and faculties of MCA.

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"Be to our virtues very kind, be to our faults little blind".

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