

INELECTRONICS magazine



Microsoft Tech Day

Imagine Cup, MS Robotics Studio...and
Windows 8 for the first time in Algeria



TECHNOLOGY



When Search Engines Understand You?

SOCIAL



Litter in Algeria misbehavior

INTERVIEW



Interview with Mr. Mehrez RABIA

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Inelectronics Student Club





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EDITORS

Abdelkader ALLAM

(1st year MA in English Literature & Civilization, ex-INIM)

Nesrine GADOUCHE

(1st year MA in English Literature & Civilization, ex-INIM)

DESIGNERS

Azeddine BLIDI

(E05,ex-INELEC)

Baha Eddine OBEIDI

(L01,ex-INELEC)

Hanane KAOUANE

(L01,ex-INELEC)

Seif Eddine EL AHOUEL

(L01,ex-INELEC)

CONTACT US

Facebook:

facebook.com/inelectronics.magazine

E-mail:

magazine.inelec@gmail.com

Address:

University M'hamed Boughara Boumerdes, Institute of Electrical & Electronics Engineering, Inelectronics Student Club

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MEGAUPLOAD

by Badreddine Zebbiche (LO3)



What is the real reason behind shutting **MEGAUPLOAD** down?

Recently, the World Wide Web has witnessed the shut down of one of the highly remarkable sharing files server, MEGAUPLOAD. Actually, the official reason that drove the American government to take such a decision is that Megaupload allowed the download of some copyrighted materials. But, is this the real reason for doing this? Why did not it happen before?

As a matter of fact, a lot of trusted sources on the internet have mentioned that Megauplod Corporation was preparing to release a new service called Megabox aiming to provide music download in an legal way. Up to this point, things seem to be natural. But, what annoyed music producers is that Megaupload intended to pay 90% of the incomes to the content generators such as artists and producers which would destroy the future of the biggest music companies generally and Universal Music specifically. The arrest of Megaupload co-founder, Kim DotCom came upon his intention to release Megabox which would be an outstanding competitor for iTunes™ from Apple®. This leads to wondering whether this is just a coincidence or there is a financial benefit behind which the FBI moved in that exact date.

As known to many, Megaupload was the 13th most visited website in the world, with more than 180 millions of subscribers as well as having more than 4% of the internet traffic which gives just an idea about the role that this website could have performed in case its quest to be a legal online content selling company was not interrupted.

Did FBI use Spyware softwares to collect evidence to shut down Megaupload?

It comes to the mind of those who followed Megaupload's case to wonder a lot about things that seemed to be illogical. One of them is that the American government provided Skype™ conferences for Megaupload's administrators in 2007 which were about Kim DotCom, MU cofounder, saying that "he is not safe with his money" and "the current situation is somehow dangerous".

How did the American government managed to obtain such conferences?

The appropriate and most close theory is saying that the American government used specialized spyware techniques to spy on Megaupload supervisors where it's unclear how FBI agents managed to get conversations between Dotcom and his elite in addition to the emails and SkypeTM conferences.

These conversations go back to 5 years ago when MEGAUPLOAD was in its first steps and the funniest contradiction is that Skype[™] claims to save conversations maximally for 30 days and the Federal investigation started just few months ago.

Going back in memory to 2007, the Federal Bureau of Investigation has issued a judicial warranty that allows installing a Spy Software called CIPAV in the suspects' devices. The Software sends information of the user's internet activity to governmental devices. CIPAV has been used previously many times in several investigations concerning money laundering, assassinations and online piracy



News

by **EL AHOUEL Seif Eddine** (LO1)



Adobe Photoshop CS6 For Free

he new version of Photoshop features a new interface with dark colors and an expanded video editor, with improvements to its previous

features such as the blur, layers and cropping.

And the most improved option is the content aware tool. Adobe gives you a chance to try it by releasing the new Photoshop in a public beta for free using Adobe ID

TOP 5 Linux Distributions

ave you heard of GNU/Linux based operating systems and their features and then got lost in the see of thousands of distributions available wondering which one is the most suitable for you? Well, we're not going to answer that, but instead we're going to make your list shorter featuring the most popular ones (the most downloaded in the last 6 months.

Mint: Linux Mint took over the lead this year with its 12th version codenamed "Lisa". An OS based on Ubuntu offering out of the box features and solutions making Linux a welcoming



environment for new comers. It also offers multiple choices of interfaces (desktop environments). New versions are available few weeks after each new Ubuntu release.

Ubuntu: Prettier than a mac, faster than Windows[™], Ubuntu is the most popular

distribution, making the transition from other OS to Linux easy. Ubuntu with its 11.10 lost some users to Mint because the new user interface experience that some found confusing. Ubuntu is supported by Canonical and a very large community and comes with out-of-box support for a long list of hardware. A new version is released every 6 months.

Fedora: Designed by RedHat and open to the public developers. Fedora is a

complete operating system 100% made of open source software. Built in public forums, fedoro RedHat engineers that encourage the open participation; there is a new release twice or three times a year.

OpenSUSE: Sponsored by Novell, OpenSUSE's main goals are to make it the easiest to access and use and therefore the most used

Linux, also making it usable for beginners as well as the experienced users, and to simplify the development and packaging processes to make openSUSE the platform of choice for Linux developers and software vendors.



Debian: Debian GNU/Linux, or simply Debian, is an abbreviation for "Deborah and Ian". It is created to be free, managing 20.000 packages of precompiled software and making them work correctly, the rest is up to you to customize.

A lot of other distributions are based on Debian such as Ubuntu and Mint, making a big supportive community

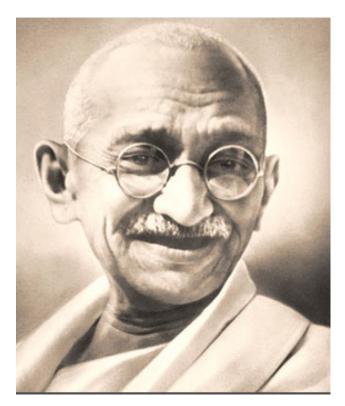




"Be the change you want to see in the world"

MAHATMA GHANDI

by Samir MAAMERI (E09)



Ith the ongoing movements of change in the Arab world, with the youth wanting and eager to take responsibility in order to bring a significant development and uplifting to their societies, I believe that the example and leadership of Mahatma Gandhi and his model of change cannot be overstressed.

Mahatma Gandhi was born in 1869. Early in his life he was very shy and very honest. He studied Law and started working at the Bombay High Court, but soon afterward he gave up his job in order to join the freedom movement in India. His visit to South Africa was a great eye-opener to him, as he witnessed the discrimination of the non-white at the hands of the white. He himself suffered humiliation due to his being non-white. He was a very simple man. His sympathy and love for the underprivileged inspired him to fight for them. When he came back to India, he fought the foreign ruler, resisted a lot of pain and suffering, and was put in jail several times. He started the movement of truth and non-violent resistance. He worked hard to increase social awareness and to unite all the different sects and religious parties

in the Indian society, he promoted women's rights and education of women, and criticized child marriages. Under his unique leadership, India got its independence in 1947, but unfortunately he was shot in 1948 and died right away.

He said something very important and so relevant to us today; he said that for freedom, for living in Dignity, for living with respect, I am ready to give up myself, I am ready to sacrifice myself for my children to live happy, because it is a noble cause; But there is no cause for which I am going to take a life, there is no cause for which I am going to kill someone. To sum up his life, he was the patriot of all the oppressed people, his philosophy promoted peaceful change, human goodness, and encouraged each and everyone in the society to do their best for their society.

Mahatma Gandhi's life and fight has always impressed me, but what impressed and inspired me the most in his personality is his leadership skill. He was a very charismatic person with ability to unarm resistance of people and win their love and respect with a charming simplicity and honesty. He who always emphasized that he would sacrifice himself for the well-being of his children, the Indians; because that was a noble cause, but there would be no cause for which he would take away a human life.

He was a deeply religious person and respected all religions. He fought for the union of the Indian people, no matter what religion, race, or sect they came from. He always cherished the rights of women as he encouraged the rights of women to get out into society, get the best education to contribute and get involved in the fight and the making of the future of the Indian society

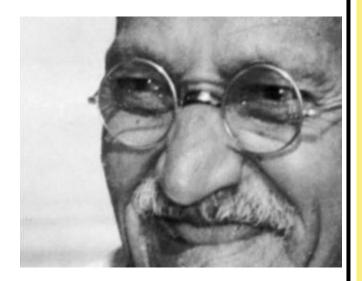
Gandhi was also great orator and a writer. He followed a simple and direct style of writing, without flowery language or rhetoric. He was speaking to the people with their simple easy to understand, and familiar language, yet he implied and transmitted a big message. He was also very humble, as he accepted the opinions of all his followers and made them feel their contributions were always valuable



and appreciated.

Last but not least, the Indian leader's rare commodity was integrity, what he says always conformed to what he does, that's how he led his people by example and by impressing them. He always valued basic human qualities like truthfulness and honesty, and believed in the goodness of the human beings, even his oppressors, and believed that change would come from every one contributing and taking responsibility in the society.

So, Gandhi is my favorite leader and my model because of his approach to life, because of his inspiration to me, allowing to be enthusiastic and believe in myself that the best thing a human being can do in this life, is to help the disabled, cure the sick, and feed the poor by means of technology and without minding about the people's colors, race or religion, because after all, we are all part of the big family, the human family; therefore the real change is the one that begins within the individual and the big challenge is how can every contribute to humanity



In the memory of Mr. Hamdi Ahmed



"I believe that all people who choose TEACHING as a vocation expect a moral satisfaction and a recognition... I have been teaching in INELEC for 23 years now and as long as my STUDENTS want me to stay..I WILL, unless my physical HEALTH dose not permit it..." This passage was said by Pr. Hamdi Rabbi Yerhmou when we held an interview with him last year. Pr. Hamdi is a reference to all students and faculty, his loss affected us deeply and our institute, praying on his soul we will always have him in our hearts and our prayers, may God grant you the heavens above.

In Memory of Pr.Hamdi we will strive to realize the vision that he has spread among us, to be responsible, tolerant, and hard working in the path of achieving success.

We express our deepest condolences to his family, relatives, friends, and to the University of Boumerdes and Institute of Electrical and Electronics Engineering who lost a great model, father, and teacher.



Semantic search:

When Search Engines Understand You!

by IBERRAKENE Dimia (LO1) & NAIT MOHAMED Abderrahmane (EO5)



he World Wide Web will know a major upgrade by the coming of the semantic search in the next few months, but what is semantic search? This is a good question!

Actually when you do a search in Google, it will analyze the keywords in your typed text and will give you many links related to the content that you are searching for, then you have to visit these websites and read many lines to get what you want. But what if Google gives you the information directly instead of redirecting you to other pages? Or if the results of the search would be based on the meaning of the keywords or the back links that the user utilizes in his query? That is the whole meaning of the "Semantic Search".

The notion of semantic web search is based on different concepts. The principle concept is to analyze the question that the users exhibit and answer it clearly in other words the "search engine will behave

as a human brain.

Indeed, currently if you want to go from Algiers to London without bypassing through Paris, you can enter Flight Algiers London", and then you have about thousands of pages on Google. Then, it is up to you to sort out the links that propose a flight which doesn't pass through Paris.

With a semantic search engine, when you type "Iwant a flight from Algiers to London, without bypassing through Paris", the semantic search engine will analyze the information that you entered, making the analysis of the path which means from where to where (Algiers, London), negations (bypassing Paris) and the objective, send you back a few pages that match this request.

The major aim of this semantic web is to generate a gigantic map of inter-connection of relevant links, then allowing the machines to be able to guery the web in a structured way.

But what does the word Semantic means?

The word "Semantic" is related to syntax. In most languages syntax is how you say something where semantic is the meaning behind what you said. The syntax is all of the letters, words and punctuations in the sentence. The semantic is what the sentence actually means.

Let's take the phrase "I love Internet!" as an example; in this case the sentence means that you enjoy surfing on the Internet.

Now, if we were to change a sentence using a different symbol for the word love we have to change the syntax of the sentence to: "/ ♥ Internet!". However, we notice that the semantics of the sentence is still the same. When you write "/ ♥ Internet!" It still means that you enjoy surfing on the Internet.

What a great development in search engines but, I wonder who is the genius behind this idea?

The semantic comes from Tim Berners Lee (also known as "TimBL") - an English computer scientist, MIT (Massachusetts Institute of technology) professor - he is the principal inventor of the World Wide Web. TimBL also has thought about the concept of HTTP, HTML, XML and now the semantic web. His main idea is to expose and present the semantic search to getting people to understand it in order to have the ability to use it easily. He is also proposing a sort of web that allow people to add what they know as well as it allow them to find to find the answer of all their question, his idea is to make the web better.

After all this explanations, we announce to you that Google will adopt the semantic search soon:

According to the Wall Street Journal, Google will introduce the semantic search in its engine soon. The major purpose is to make web search easier, because the aim of the semantic search is to provide answers directly from the home page. So if you'll do a search in the future. Google will not send you in other pages or sites, but you will find what you need in its own data base. And then the average time that we pass on Google will greatly increase and this last



point is the hidden objective of Google. With the semantic search, Google will maintain its leadership that it acquired from several years as the well-known and the most used search engine with almost 66% of the market share and 75% of online advertising revenues in front of its concurrent Microsoft® Bing and Yahoo! And others.

But does it benefit the other websites?

In fact no, since Google will give the information directly to the user, other sites like question/answer sites will have less traffic than before so this will decrease their benefits.

At the end, the developers said that the semantic search is a real advantage for the development of the web; it will revolutionize the search engine. But all things have a negative side. As we said before; it will have a negative impact on the other sites. But for us as users we can conclude that the semantic as it seems theoretically is a real evolution in the world of the web, but we will save the judgment till we try it and see its real potential



Litter in Algeria!

The secret behind this misbehavior!

by Abdelkader ALLAM

(1st year MA in English Literature & Civilization, ex-INIM)

■ Ignoring the problem won't make it go away" one wise man once said. If someone has been told by a doctor that if they keep on smoking, they would certainly develop a cancer. They, of course, could ignore the doctor's advice and carries on smoking, but eventually one would develop a cancer and might even die. It is just the same with the issue of littering in Algeria: "ignoring the trash won't make it go away" even with the help of nature such as the burning sun in summer or the windy weather in winter. The trash will not disappear just like that; rather it will accumulate with time and with the help of wind might even slap one of us on the face one day. So, is litter a problem in the Algerian society? If so, what is the reason and how can it be solved? If garbage bothers you, you may want to know what is driving some people to throw their garbage carelessly everywhere.

The problem is certainly the amount of trash such as empty plastic bottles, cans, and the colorful plastic bags that we find on the streets, at some beaches, and unfortunately even in beautiful green forests. So, who is to be blamed here? Is it the government or the people? Well, the responsibility is shared here; it would be a lot easier of course to put the whole blame on the government instead, but that might not be an appropriate solution. We all have seen one day, might have been, or we still are one of these people who throw their garbage on the street. But have you asked yourself the reason behind this behavior? Well, I've been trying to understand this by asking many people about that and the answers I received generally were either because we don't have enough trash cans in the streets and especially in rural areas or because it is unconsciously done, a habit they are used to that they rarely give it a second thought. On the other hand, other people answered that they would stop littering were they living in a developed country.

Well, first, many people would agree that "two wrongs don't make it right"; problems are not simply solved by creating other problems; if we don't have enough "dustbins" as some people would argue for one reason or another, I don't see how we



are allowed to throw our "garbage" anywhere we want. For example, in our cities we can wait till we get to a trashcan and throw our waste, if not we can just put it in our bags to throw it later on. Second, for those of us who don't give it a second thought, it is high time we asked ourselves rational questions and thought about the outcome of our acts. If we claim to be Muslims, our religion urges for cleanliness, and is against dirtiness and harming other people. Third, if some of us think they are civilized and they deserve to live in a better country, regardless of the religious background and ideology, it is not with dirt that countries and civilizations were built. Finally, if we believe ourselves to be free, it doesn't give us the right to deprive other people from enjoying their right to live in a clean and beautiful environment.

To solve this problem is our duty and change this misbehavior is our responsibility. Let's stop complaining and making excuses by first changing our behavior. You are going to be surprised by the number of people who are ready to change their behavior after realizing that what they are doing to their community is religiously, ethically, and morally wrong. Let's give ourselves and others a chance to be better citizens who do not only think about what they get from this country but also about what and how they can give back.

In conclusion, I would say that every Algerian citizen is responsible for the cleanliness of this country not only by breaking this bad habit but also by setting up a good example for our friends, our children, and our fellow citizens for a cleaner and, therefore, a better Algeria

Is It Okay to Feel Pressure and Stress?

by LAGHMARA Hind (LO1)

Don't stress, be confident! " they would tell you and you would think "easy for you to say ..." But is it that hard to get rid of fear and anxiety?

Anxiety and fear are natural feelings to have when you are about to face something rather important. Even the president of the United States is anxious before giving a speech; so, why won't you be?



The university is indeed a new environment for students where they have to learn self-reliance and responsibility especially financially. In addition to the change in social life, a student must work hard in order to obtain decent grades. Hence, it is inevitable to feel the pressure, even a bit.

This kind of feeling might have a huge impact on the performance of the students in exams. It might happen to some while it might not for others. The statistics on college students' stress showed that 71% of the students stress over the school work they have to do. In 2003, Dr. Herbert Benson from the university of Harvard stated that 80% of the medical consultations were related to stress, so you might want to think twice before you let pressure own you if you want to stay healthy

Well, as much as it may seem impossible to control those feelings at the moment, remember that you are not the only one having trouble and that you do have other options. It is okay to fail sometimes as long as you know that you did your best. Then, if you sense that the pressure is too much to handle you might want to take a break if know that it is the best thing to do. So what if you can't catch up with the others, you are not going through the same circumstances. Learn to be positive no matter how bad you do in tests;

what you have learnt is what matters. Believe it or not but the doctors actually recommend sleeping as a treatment for stress. How cool is that! You might also try to keep your head out of school a little and try to participate in other activities that make you de-stress such as practicing sports, being a part of



charity organizations or other social events. You should, also, consider eating well and exercising to get all the negative energy out of your body, and try to talk your problems out either to a friend, a family member, or to other people.

And never back off facing your fears because: To fear is one thing. "To let fear grab you by the tail and swing you around is another."

Katherine Paterson





MAIN EVENT

Microsoft. **Tech Day**

by **BOUKHENANE Omar** (E09)

nd here we go again!! After a successful season last year, "INELECTRONICS Student Club" started its activities by giving IGEE (ex: INELEC) students the chance to have a journey inside one of the biggest companies in the world: "Microsoft®". With the help of our beloved Microsoft® student partners MSPs, this event started with a presentation given by the Microsoft Developer Platform Evangelist (or DPE) Mr. CHEBRI Raouf about the most prestigious student competition in the world "Imagine Cup™", detailed pieces of information were given to the massive attendance on how to prepare, apply, and proceed the different rounds toward the victory.

The big hit was the exposition of Windows 8[™] for the first time in Algeria! Our students got to know with this beast and discovered the new features included in it: starting up in just 3 seconds! Which system can do better!! And to ensure the total satisfaction, Microsoft offered free Windows 8[™] copies to all the students in addition to



power access cards that allow the download of Microsoft's top 15 software for free.

The afternoon was dedicated to modern technology geeks, after a small presentation on how to become a Microsoft student partner, "Belkhir Mohamed Tahar" explained the concept of Windows Phone 7[™] and its main features and why it is considered to be the best operating system for smartphones. Then it was for "BOUNOUGHEZ Mohamed Amine" to introduce two of the latest technologies in the world: "The Microsoft® Developpers Robotic Studio™ MRDS", which is a powerful tool to program robots in a simple way, and then he moved to "KINECT™"

or the 3D sensor that will change the whole world by making it possible to interact with digital devices using normal gestures.

As a first event for this season, "the Microsoft® tech dav" attracted a lot of people, and a great interaction was noticed between the speakers and the attendees. Many new ideas were introduced, and a great feedback was received. That was just the beginning, and the coming days will bring more!! ■





UPCOMING EVENTS

IGEE Innovation Days

Inelec Alumni Day





Interview with Mr. Mahrez RABIA

by **BOUKOUCHA Meriem** (3rd year English-INIM)



Q: Hello Mr. Rabia, nice to meet you. I'm very pleased to be here in your office, and in the meantime, I would like to thank you for granting me some of your time.

Mr. Rabia: welcome!

Q: First of all, students in general and Inelectronics Student Club in particular would like to know briefly who is Mr. Rabia?

Mr. Rabia: Hello!. Before starting, I would like to thank you for your interest toward my little personality. Who is Mr. Rabia? This is a very difficult question, since I'm a journalist, I used to ask people to introduce themselves rather than me answering the questions. In a nutshell, Mr. Rabia is an ambitious young journalist who wants to be successful in his career, just like those people who are members in the club and who are writing in this magazine.

Q: By the way, what do you know about IEEE or ex-INELEC institute?

Mr. Rabia: honestly, it's been a year since I discovered IEEE or ex-INELEC institute. I was pleasantly surprised when I heard that there is a university in Algeria which uses English as a language of education rather

than French or Arabic. Usually, we are used to hear about universities teaching in French or Arabic and sometimes English for language purposes, but not in technical domains as in INELEC. Personally, I think that this institute is very interesting because it is going to give us the Algerian scientific elite who master the English language in the technical domains in addition to French and Arabic. And again, it is an excellent thing because the fact of mastering this language means that students can use it everywhere. I hope that we will have numerous students in these fields, and I wish success to INFLEC.

Q: Could you tell us about the way you managed your double job in the media industry, being a presenter or a producer between the radio and the TV?

Mr. Rabia: It is a little bit complicated; to be honest I have an agenda between my eyes. There is another point that I want to mention is that I work for a private company and for the National Office of Culture and Information. Concerning the schedule: on the radio, I have "le mag" starting at 17:00/19:00 PM on Sunday, Monday, Tuesday and Wednesday. On TV, I have "Bonjour d'Algerie" at 06:00 AM on Wednesday, Thursday and Friday. As I said before, in my work there is me and my agenda, I love my work and this is my choice.

Q: How did you find your job, was it easy? Or did anyone help you for it?

Mr. Rabia: it was incredibly difficult since I started at an early age (18 years old). I began my work in the radio before studying in university. To be Franck, there is nobody in my family who works in radio or TV. One day we had a painter in our house, I kept talking to him until my mother came to me saying stop talking to him, let him do his work. She said: "if you want to talk go to the radio, but you should also study". In other words, my mother pushed me to do what I'm doing. There is also another point that I take in consideration which is by working you improve everything especially your level and of course by working you will reach what you want.

Q: What did you do before you joined the media

industry?

Mr. Rabia: before joining the media industry, I was studying in high school, and then I started my work in the radio at the age of 18 as I mentioned before. In university, I studied accounting management before studying journalism. Thanks to the radio I'm working in the TV now.

Q: Do you follow the high tech media industry? Like broadcast, satellite...etc?

Mr. Rabia: oh yes! If I say no, I would be lying because you'll miss a lot if you don't follow them. The internet for instance is considered as one of the quickest means of communication. Personally, I use it much more than TV since it is full of news and information. Let's take facebook as another example; it is a place where the news are spread and quickly found. Through this means of entertainment we can discover a lot of things such as news that cannot be found or spread as quick as on TV for example.

Q: What are your favorite hobbies? Do you have time for them?

Mr. Rabia: I think I have a lot of hobbies, among them reading. I do practice this hobby, because I feel that through it I can learn much vocabulary that I am going to be able to use in my job, why not? I also travel when I have some time especially by road.

Q: What are (is) your future plans?

Mr. Rabia: After my stay three years abroad and exactly in France, I came back to Algeria having the idea of making an institute where we care about journalists through forming them in a good and professional way.

Q: What is the best advice you could give the Algerian students in general and Inelecers in particular, especially about their use of English as a language of education?

Mr. Rabia: I would like to say that what you are doing is extremely great. Keep doing it, because I know and you know that you will bring something good to our country. So keep going and good luck

POETRY

Take Your Pen

Take your pen my dear friend Take your pen and leave this land You may be bored, I know! Believe me this is not the end

Take your pen and write with me We will write your lovely life To be tough or not to be It is not matter of taking knife

Take your pen don't look behind Feel your hand and make your dreams We will tell the human kind Life is not like it seems

Take your pen, you have two ways Follow your heart and make your choice Now you are making your shiny days Ignore devils and people's noise

Take your pen my dear friend Take your pen and leave this land You may be bored, I know! Believe me this is not the end

Take your pen, life is good You just have to know the rules It is just not drink and food Do not follow the silly fools

Take your pen and write your feelings Show them what you're made of They won't stop mind keeling The single word is not enough

Take your pen, it's easy to say
"I can do this and I can do that"
In my place we always say
Life is short and "elly fatt matt"*

Take your pen and do some magic This kind of art is about to be fixed I know that this thing have no logic It's just some words you have to mix

*= what passed from life won't be repeated

by **OBEIDI Baha Eddine** (LO1)



Expand Your Mind Change Your World



Facebook:

www.facebook.com/inelectronics.magazine



Email:

magazine.inelec@gmail.com







