प्रतिपच्चंद्रलेखेव वर्धिष्णूर्विश्ववंदिता शाहसुनोः शिवस्थैषा मुद्रा भद्राय राजते। प्रतिपच्चंद्रलेखेव वर्धिष्णुर्विश्ववंदिता शाहसुनोः शिवस्थैषा मुद्रा भद्राय राजते।

चंद्रलेखेव वर्धिष्णुर्विश्ववंदिता शाहसुनोः शिवस्थैषा मुद्रा भद्राय राजते।

FEB 2016 THE RUIAITE MONTHLY E BULLETIN

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प्रतिपच्चंद्रलेखेव वर्धिष्यूर्विश्ववं



Namaskar Ruiaites!

In this vibrant month of February, full of love and affection, we are immensely pleased to present the VIIth issue of Ruiaite Monthly E-Bulletin. The 'WONDER' number 'Seven' is the symbol of cheerfulness, beauty, completeness and divinity across many popular cultures. So, in this colorful and cheerful edition, we the Ruiaite Monthly E-Bulletin team attempt to add a few more colors to your life, with some spice of history, crisp of economics and yes, the elegance of Love.

On the occasion of Shiv Jayanti, to recall our glorious history, the OpEd column is dedicated to the memory of Chhatrapati Shivaji Maharaj, the great, successful, meritorious and valorous ruler of Indian History. With the Financial Budget buzzing around the North Block, it will be no difficult to decipher what the "Briefcase" is expected to bring, with the column Buzz Around. While CareerWise attempts to explore the opportunities in the field of law; Tech tricked brings out yet another student friendly article, introducing us to the world of MOOCs.

With all of this at the helm, February is more than just a month of love! Exploring the definitions of love and friend zone, the edition also attempts to give an 'Insight' on interpersonal relationships. The Student's Corner flows in poetic brightness ...

Ruiaite Monthly E Bulletin is primarily an initiative for the students.. Amidst all kinds of 'heartbeats', stress of upcoming exams, we hope the Ruiaite E-Bulletin continues as your refreshing zone.

The Editorial

मेरी शान मेरी जान हिंदुस्तान

''उनके प्राण बाणों को छेद जाते है, ये, हँसते हँसते वीरगती को अपनानेवाले, केवल अपने अफसाने छोड जाते हैं।"

भारतीय सेना अपने त्याग.

रूपी प्रेम से देश की सीमा को सुशोभित करती है और राष्ट्रिय छात्रसेना अनुशासन और आत्मसंयम को अपनी ढाल बनाकर भारतीय सेना के इस समर्पित जीवन का एक सूक्ष्म चित्रण प्रस्तुत करती है।

रामनारायण रूईया महा.

विद्यालय की राष्ट्रिय छात्रसेना भी अपने इसी उद्देश्य का निर्वाह करते हुए हर वर्ष की भाँति इस वर्ष भी ९ फरवरी २०१६ को छब्ब डे का आयोजन किया।

कार्यक्रम के मुख्य अतिथि डॉ. एम.एस. जाधव (चीफ ऑडिटर) और श्रीमती अनुराधा प्रभुदेसाई की अनुमति से कार्यक्रम की शुरूवात हुई। अपनी राजभक्ती का प्रमाण देते हुए छात्र सेनानियों ने परेड से शुरूवात की। सम्मान गार्ड की कमान सारजन्ट शुभम झेंडे के पास थी तो लडकियों की डिल कन्टीनजैन्ट का नेतृत्व सारजन्ट अनुजा कुलकर्णी कर रही थीं। समय प्रबन्धन, निष्ठा, शारिरीक और मानसिक शक्ति का आकलन देते हुए छब्ब बॉइज़ ने राइफल ड्रिल

> अस्ति का एक अलग दृश्य दिखाया। कार्यक्रम की शोभा बढ़ाते हुए छब्ब गर्ल्स ने नारी शक्ति का बखान अपने नृत्य से किया और छब्ब बॉइज ने अपने गायन और वादन से सभी दर्शकों का हृदय जीत लिया।

> > अतिथि श्रीमती अनुराधा प्रभुदेसाई ने भारतीय सेनानियों के त्या और समर्पण भाव का स्पष्. टकरण करते हुए उनके कठिन जीवन का कटू सत्य रखते हुए दर्शकों का हृदय परिवर्तित कर दिया। छब्ब छात्र सेनानियों को उनकी समयनिष्ठा, सहनशिलता,

कर्तव्यनिष्ठा और दृढ संकल्प के कारणों से विविध पदकों से पुरूस्कृत किया गया। और इस कार्यक्रम का अंत उपस्थित छात्र सेनानियों के माता-पिता के नयन ज्योति के अश्रूओं से हुई।

जहाँ हम छात्र कॉजेल समयपर नहीं पहुँच पाते वहां ये छात्र सेनानी प्रतिदिन ठिक सुबह ६ बजे कॉलेज अपनी दिनचर्या की शुरूवात करते हैं। हमारे इन छात्र सेनानियों को शत–शत नमन !

Louis Braille Day

The audience also enjoyed some good singing performances as some students sang songs like 'Tu soch na sake' from Airlift, "Tujhya pirticha ha inchu mala chawla" from the movie Fandry and Louis Braille day was organized by the Self Vision Centre. It is celebrated on the birthday 'Gerua' from Dilwale. Other students danced on the song 'Malhari' from Bajirao Mastani. Seeing of Louis Braille, who had developed the Braille Script for the blind. the quietened audience, they presented a power-packed dance on 'Tukur Tukur Dekh Jara'. It was The show commenced by a Ganpati song-Sur Niragas ho-from the recent outstanding Marathi followed by an instrumental song. movie 'Katyar Kaljat Ghusli', while other students played the flute & the keyboard and a female The hosts then invited Mukta Barve to felicitate Suyash Padwal(3rd), Vitthal(2nd) and Rahul(1st) student simultaneously explained what each line meant. The hosts welcomed the guests, by for their victory in the chess competition. There was another performer who awed the audience by requesting them to light the lamp. Everybody's favorite Marathi actress Ms.Mukta Barve soon performing a dance on skates and balancing a diya on each palm. There were also some inspiragraced the occasion. The students performed a dance on her famous song 'Lallati Bhandar'. The tional songs such as the one by Shahir Sable, Garja Maharashtra. The final performance in the most noteworthy thing was the co-ordination among all the students. event was a fun dance and a patriotic song by students. Next was a beautiful song-Gori tera gaav bada pyara-from the movie 'ChitChor'. They also sang Once again, the chief guest Mukta Barve was invited on stage to felicitate a student who scored the popular song- 'Ek Porgi'. To break the monotony, a comic play was performed namedgood marks in her 12th boards. Mukta Barve also danced on the song Lallati Bhandar with all the 'Dadoos Kombadiwale' which was real fun to watch. Next was Suraj Patil who came upon stage to blind students, on a request by the audience. In her speech, she said that it was the first time that make the audience aware about Louis Braille and the birth of his ingenious script. After this, a she was speechless and couldn't speak even a few words on such an inspirational and mesmerizing group of female students performed a 'Lavani' on 'Ata vajle ki bara' & 'Pinga' which received sigevent. She also mentioned that she was taking home with her a positive energy after having nificant appreciation from the spectators. To arouse an awe among the audience, a yoga perforwatched this wonderful show and said that her next film will surely derive inspiration from the mance was performed skilfully by the students, who were balancing a lighted diya on their heads specially talented performers of this event.

BIOANALYZE!

SO, finally it was here! An event where all the units of Bioanalyze Department work hand in hand and present BIOANALYZE! Indeed the most eventful, meticulously planned, brimming with gumptions day. What a day! No doubt the idea of its inception was incredible but the back hand team is the one who makes it work and make sure it never goes without taking breaths away. Whole of Department works for it, from teachers, dadas to the students. There is one personality without whom this wouldn't have happened in such an amazing way is Nandini ma'am. She took all the efforts to make the event blissful. So, here it all started obviously with countless hours put by Nandini ma'am, endless efforts for its execution by the students especially the post graduates and tremendous support of our dadas, then came the big day, 13th February. By big I mean big, yes, blue whale big. It all started by inaugurating the event followed by thanking and welcoming our chief guests, Mr. Vishwas Kulkarni, Managing Director of Spectra Labs, Dr.Mary Francis, Director of CRIMSON Pvt Ltd and none other than the person who is liked and loved by all Ms. Dhanashree Kulkarni and all of them shared their inspiring, motivating insights with the students. Later, the students were acquainted by the technological excellence manufactured by Spectra labs. After a brief of pre-event warm up and knowledge, began the fun. All the organizers hustling and





throughout the performance.

Manthan M. Chauhan First Year Bioanalytical Science

bustling made the brightest part of the day. The hosts kept all the students who hadn't participated and the ones eliminated completely immersed with the fun games. Oh, the teachers! Sachin Sir, Sandhya Ma'am, Sameeta Ma'am, Nandini Ma'am, Vishwajeet sir, Himani Ma'amall of them left the first year students' jaws dropped to the ground and left the rest of the students amazed, yet again! Their enthusiasm, although all of them were busy managing other games and other college duties, all of them had absolute sportsmanship. All of the games Bio-Mid, Brainkshetra, Masti ki Pathshaala and Twist of Luck went as smooth as silk, all thanks to the organizers. After the games, was the time for the prize distribution it was followed by another most awaited event 'Best Class' selection. Sameeta Ma'am here worked really hard and presented her unquestioned creative skills in the form of games that would give the judges the results for the best class. It was yet another completely awesome event. It was the best possible way to end this packed-with-fun day. It made the students come close to each other and get bonded emotionally to their own department.

Bioanalyze has always been second to none and till we have such absolutely talented students, brilliant teachers it will always be the best part of the students' life. A day of which the students will tell stories and will wish to relive the day endless number of times.



Expectations from UNION BUDGET 2016

that are announced by the Finance Ministry tions get incorporated by the government. have great influence on them. This year's budget will be announced on the 29th February Services Tax (GST) Bill will be passed in the up-2016. The Union Budget 2015 was hyped too coming Parliament Session. At present, it is much due to it being the first budget of the stuck in the Rajya Sabha. The main highlight of Modi government. This year is no different. the bill is that it seeks to simplify the indirect tax There are great expectations from Finance Min- system in India which is currently complicated ister Arun Jaitley. The Finance Minister will be with overlapping taxes levied by the Centre and working towards delivering a good budget with the State separately. This will also help in the his experienced team, which consists of the economic integration of India. According to Chief Economic Advisor Arvind Subramanian, the Finance Minister Arun Jaitley, the GST bill Secretary of Department of Economic Affairs will be instrumental in helping growth rate of Shaktikanta Das, Secretary of Department of India to increase by 2 percent. Financial Services Anjuly Chib Duggal, Finance Secretary Ratan P Wattal, Secretary of Depart- launched on 26th January 2016, is a campaign ment of Revenue Hasmukh Adhia, and Secre- to increase investment in startups to boost tary of Department of Disinvestment Neeraj entrepreneurship and create more number of Kumar Gupta.

this year's budget will be social sector-centric. women. It is expected that the Union Budget In his opening remarks at the pre-budget con- 2016-17 will introduce a tax regime for the sultative meeting with the representatives of startups that will promote innovation and prodifferent social sector groups recently, he said vide a conducive ecosystem for the upcoming that inclusive growth is high on the priorities of entrepreneurs. the government and it will take adequate measures to ensure social security for the children, diture, reforms in the manufacturing sector are women and senior citizens of the country. Vari- the other possible highlights of the forthcomous suggestions have been made by these social ing Budget. The Budget, being inclusive in groups regarding the increase in pension, nature, is expected to strike a chord with every higher allocation of funds for secondary and section of the society. tertiary education, a comprehensive crop insurance scheme to all farmers for all the crops and

Tweets

If a handful of students sloganeering at a univ panics mighty Indian state so much, imagine what the real enemy can do to us. Scary! -@sagarikaghos

Has my visa been denied because I speak about India's rich tradition of tolerance or I am a KashmiriPandit who may expose Pak terror nexus. - *a* AnupamPkher

The Union Budget is an eagerly awaited higher credit and input subsidies for the small annual event in India which is followed by both and marginal farmers being a few of them. It individuals and industries alike, as the policies remains to be seen how much of their sugges-

There are high hopes that the Goods and

The Startup India Scheme, which was jobs. The Startup initiative mainly aims at creat-The Finance Minister has indicated that ing more employment among SCs, STs and

Private investments, raising public expen-

JOSHIKA MANDAL (TYBA)

The Sarcastic

Welcome to digital India, where people die because of their caste.

Simply Put

1. What is the Fourth Industrial Revolution? The Fourth Industrial Revolution combines the digital and physical systems to completely transform the interaction between humans and machines. To quote World Economic Forum founder and executive chairman Klaus Schwab, it is "a technological revolution that will fundamentally alter the way we live, work and relate to one another". 2. What are the examples of the Fourth Industrial Revolution? The crane used for loading ships can be fitted with sensors that measure the weight of containers and plug it into a software model. Using the design of the ship, the software sends instructions about where exactly the container should be placed in order to optimize the weight-balance of the ship. This process can enhance the fuel-efficiency of the ship by 5-8%. Another example would be the driver-less cars.

3. When was this term first used? It was used for the first time in 2011 at the Hannover Fair. 4. Why is this term in the news recently? The Fourth Industrial Revolution was discussed by all the well known economists participated in the recently concluded World Economic Forum at Davos. 5. Which are the previous three Industrial Revolutions? The First Industrial Revolution began in the last quarter of 18th century. It was a shift of method of production from handmade goods to goods manufactured through machines. Water and steam power was used for running the machines. In the Second Industrial Revolution, electricity came to be used for producing goods much more efficiently. It was in the 1870s. The Third Industrial Revolution, also known as 'The Digital Revolution', was an introduction of Information Technology for production purpose. It began in the late 1960s. 6. Will India benefit from the Fourth Industrial Revolution or will it face certain challenges?

India will definitely benefit from the Fourth Industrial Revolution, but it will also face some chal lenges. Some benefits of the revolution are as follows:-It will increase the efficiency of production, there will be fewer defects in final product, small industries will be benefited as production becomes cheaper and automated, etc. The biggest challenge to India from this revolution is that a large amount of unskilled and semi-skilled labour will lose their jobs as means of production will get automated, eg:- Due to the Driver-less cars, many people engaged in the profession of driving will lose their jobs.

7. How well was it taken by the economists in India and other developing countries? Many are optimistic about it. But some urged to the western world that rather than working for the Fourth Industrial Revolution, they must pass on the benefits of the first three Industrial Revolutions to the developing and the under-developed world.

Paper Clip

The National Mission for a Green India is one of the eight missions proposed recently under the aegis of the National Action Plan on Climate Change. A paper in Economic and Political Weekly (Volume 4, January edition) attempts to analyse the strategies proposed by this project, and in turn, discusses the consequences if these strategies are imposed. The paper also takes into consideration the limitations of the mission, and tries to provide feasible solutions.

All differences in this world are of degree, and not of kind because oneness is the secret of everything.

Buzz Around

Market View

Date: 1st January 2016

Highest: Rs. 26,197.27

Rs. 26,160 (Closed)

Reason: Indian shares hit high since banks and IT sector came under some amount of selling pressure. Also gains in stocks such as Tata Motors provided support.

Date- 12th February 2016

Lowest- Rs. 22,600.39

Rs. 22,986.12 (closed)

Reason- Sensex crashed 21-month low due to weak quarterly earnings by key corporates, a sliding rupee and weak global markets. (From 1st Jan to 13th Feb)

OJASWI RAO (TYBA ECO-STATS)

Top Ten News

1. India to hold the first ever Global Maritime Summit in April, said PM Modi at the International Fleet Review.

- 2. Taiwan quake: the death toll rises to 113, while 4 people are still listed as missing.
- 3. Headley confessed that Pakistan's ISI and Army had a hand in the 26/11 Mumbai terror attacks.
- 4. BSF shot down 4 smugglers near Indo-Pak border.
- 5. Israeli PM agrees to controversial US Congress appearance.
- 6. Dying in childbirth still a National Trend in Zimbabwe.
- 7. Indian Cricket Team created history by beating Australia in their backyard in the recently concluded T20 series.
- 8. Varanasi and Muzaffarpur are the most polluted cities in India, not Delhi.
- 9. Saudi Arabia's King Abdullah passes away.
- 10. Delhi faced the first winter rainfall of the season.

Know Your Ideology

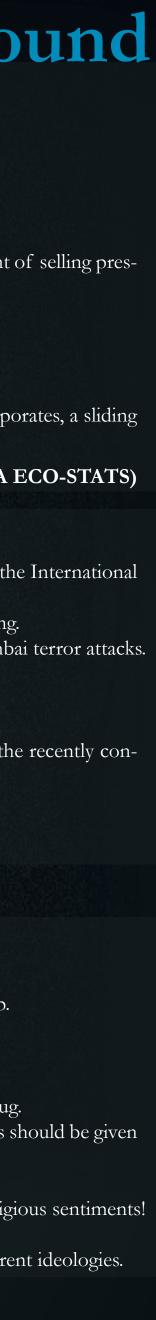
Far far away in a village not so different from what you've seen, a well was dug up. Whom do you think the water in the well belongs to?

Let's see what the followers of different social ideologies have to say about it. Communists say it belongs equally to all the workers who dug the well.

Capitalists say it belongs to the person who owns the land where the well was dug. Socialists say that though most of it belongs to the owner of the land, the diggers should be given a fair share of it.

Anarchists say they don't care whom it belongs to, they are going to drink it. Right wing extremists are screaming 'Demolish the Well' since it hurts their religious sentiments!

Hope you've understood 'well' the funda of ownership as prescribed by the different ideologies.



Warm hello to all our dearest readers. This month's edition of Career-Wise is back with yet another fascinating, ever-blooming and a '100% legitimate' field of career- LAW! The sparks of all the sciences in the world are raked up in the ashes of law.

Legal journalist

It is the one who specializes in reporting legal cases and matters owing to his/her expertise in the field of law. It is distinguished from 'court reporting' which is considered a part of beat reporting. This is an ideal career for law graduates with a flair for writing. Legal journalists often have an edge over other journalists because of their precision, superior research skills and legal knowledge. Legal journalists have to ensure that their articles are presented in simplistic language and not heavily loaded with too many legal jargons.

Judge

Got a knack of making fair and accurate judgments in complex situations? In that case, you must seriously consider of becoming a judge! A Judge occupies the highest and most prestigious position in the Indian Judicial System. Important personal skills expected are honesty, decision-making skills, logical and analytical reasoning, debating skills, commitment, dedication, self-confidence, impartiality and a deep sense of responsibility. In order to become a Judge, after clearing the CLAT successfully and gaining minimum experience, one has to qualify the Judicial Services Examination conducted annually by the Public Service Commission of the respective State. For appearing in this exam, one must have enrolled as an advocate with membership in the state bar council. The age limit for appearing varies from State to State. Aspirants may refer to the MPSC website (for Maharashtra) for further information. Judges may be designated according to the level of court in judicial hierarchy as Supreme-Court Judge, High-Court Judge, District-Court Judge, Magistrate, Munsiff. Apart from their base salary, they are also provided with generous incentives and hefty allowances like home allowance, travel allowance, legal protection, etc.

Legal Analyst

This person can sometimes be referred to as a litigation analyst or a paralegal. Under the supervision of an attorney, legal analysts may conduct client interviews, draft court documents, perform legal research, and assist in preparing cases for trial. Legal Analysts are expected to have developed persuasive and concise writing. As a paralegal, one may be asked to draft court documents or write research memos for the attorneys. The employers expect that candidates will have legal degrees like a B.A. L.L.B. degree from any of the recognized university. Aspirants should also be recognized by the Bar Council and must be certified as a distinguished legal analyst. While it's not required that a paralegal specialize in a particular area of law, some areas of speciality are bank-ruptcy law specialist, family law specialist, litigation specialist, real estate specialist, etc. Today, the need for competitive legal analysts is being felt sorely in the field of law. So, law aspirants may expressly consider entering this profession due to its immense dimensions!

Career-Wise

Legal Advisor

A legal advisor is, as the name suggests, an individual who advises private or public firms, organizations, the government and other corporations in matters of the law. The main functions are to help clients understand legal procedures, oversee contract signing or help in corporate management. They also mediate disputes and legal battles. To be a legal advisor in India, apart from a basic law degree, one needs to be enrolled with the State Central bar council as per provisions contained in the Advocates Act 1961. He/she has to be qualified through the entry test recently introduced by Bar Council of India.

Some of the Institutions one can look forward to:

1.Indian Law School (ILS) ,University of Pune.Government Law College, Mumbai2.National Law University, Jodhpur.3.Nalsar University of Law ,Hyderabad4.National Law Institute University, BhopalIt is not the enactment, but the observance of law that matters more!



तुम्हाला जर भविष्य घडवायचे आहे, तर इतिहास पालटून पहा कारण इतिहास हा तुमच्यासमोर पुन्हा पुन्हा भविष्य बनून येत असतो.इतिहासात अनेक महा. पुरूष येऊन गेले ज्यांनी राष्ट्रतेजाचे स्फुरण तेवत ठेवलं. त्यातील एक म्हणजे छ्त्रपजी शिवाजी महाराज. भारतीय इतिहासामध्ये मराठयांचा इतिहास महत्वपूर्ण मानला जातो. त्याची सुरूवात १९ फेब्रुवारी १६३० साला पासून झाली अस मानायला हरकत नाही. १६व्या शतकाअगोदर मराठयांची ओळख शौर्य आणि पराक्रम म्हणून होती पण ते शौर्य, स्वाभिमान आणि निष्ठा कुणा दुसऱ्याच्या गुलामगिरीमध्ये खितपत पडलेली होती. शिवाजी महाराजांनी स्वराज्याची स्थापना करून स्वराज्य, स्वाभिमान आणि कल्याणकारी राज्य निर्माण केलं. ज्या महाराष्ट्रात असा राजा झाला त्या महाराष्ट्राने स्वातंञ्यात सुध्दा महत्वाची भूमिका बजावली.

शिवरायांनी नुसत्या लढाया करून राज्यविस्तार केला नाही तर त्या काळातील समकालीन राजापेक्षा काहीतरी अचाट करून दाखवले.महाराजांनी गडकिल्ले, आरमार बांधून शत्रूंशी प्रतिकार केला. थंजीमत व पिदकपंद छंअल म्हणून शिवरायांची ओळख आहे. त्यांनी अष्टप्रधान मंडळ स्थापून राज्य सुरक्षित केले. जनतेच्या सुरक्षेसाठी चोख सुरक्षा यंत्रणा राबवली. शिवरायांच्या काळातील गुप्तहेर खात्यातील मुख्य अधिकारी बहिर्जी नाईक यांची गुप्तहेर रचना सध्याच्या इतर कोणत्याची गुप्तहेर रचनेपेक्षाही सरस ठरते. त्यांनी आपले राज्य हे रयतेचे राज्य म्हणून घोषित केलं. रयतेला अनुसरून महसूल यंत्रणा राबवली. त्यांनी अनेक लुटी केल्या परंतु त्या करताना कोणत्याही प्रार्थनास्थळांची नासधूस केली नाही किंवा तेथील प्रजेची हिंसा केली नाही, जाळपोळ केली नाही. त्यांनी धर्मनिरपेक्ष हे धोरण स्वीकारलं

शिवाजी जन्मावा तर दुसऱ्याच्या घरात असे म्हटले जाते. आजच्या काळात शिवाजी जन्मने केवळ अशक्यच आहे. पण त्या कालखंडात अनेक साहसी शुरवीर शिवरायांनी स्वत: घडवले होते. प्रत्येक मावळा स्वप्नातील स्वराज्यासाठी प्राण देण्यासाठी तयार होता,

त्यामुळेच रयतेचे स्वराज्य प्रस्थापित झाले. शिवरायांच्या जीवनातील अनेक घटना प्रसंग हे त्याचे शौर्य आणि उदारता दाखवून देते.अफजलखानाच्या मृत्यूनंतर त्याचा अंत्यविधी त्यांनी त्याच्या धर्मानुसार केला. किल्ले बांधताना त्यांनी स्थानिक लोकांना हाताशी घेतले जेणेकरून त्यांच्यामध्ये स्वराज्यप्रेम जागृत होईल.

शिवरायांनी गड किल्ले यांना महत्वाचे स्थान दिले. इतिहासातील नोंदीनुसार शिवरायांकडे ३६० किल्ले होते... म्हणजेच त्यांनी

स्वतःचे स्वराज्य ३६०० गडकोट सुरक्षेने व्यापून टाकलं होते. शिवाजी महाराज म्हणत 'प्रत्येक गडकोटांनी १ वर्ष जरी टिकाव धरला तर संपूर्ण

स्वराज्य ३६० वर्षापर्यंत तग धरेल' या गड किल्यामध्ये वैविध्यपूर्ण असे जलदुर्ग आहेत. सागरी तटाने रक्षण करणारे हे शिपाईच होतेण क्रही शिवाजी महाराज. ांनी बांधले. तर काही इथल्या किनाऱ्यावर आलेल्या पोर्तुगीज, डच, फ्रेंच, इंग्रज यांनी बांधले. बाकी कोणत्याच स्वदेशी राजवटीने ना जलदुर्ग बांधण्याचा प्रयत्न केला, ना



नाविक दल उभारण्याचा, 'म्हणूनच शिवाजी महाराजांच्या कामगिरीबद्दल सगळया परकीय सत्तांनीसुध्दा त्यांच्या लिखाणात गौरवाने उल्लेख केला. शिवाजी महाराजांनी सशस्त्र असं नाविक दल उभं केलं. महबूत सागरी किल्ले बांधिले.इतकेच काय, तर कल्याण, भिवंडी, पेण इत्यादी ठिकाणी युध्दनौका बांधण्याचे कारखानेसुध्दा काढले. परंतु हे सर्व शत्रुंना तोंड देता देता केलं हे विशेष महत्वाचं ठरत. भारतीय राजांमध्ये नाविक दलाची उभारणी करणारा शेवटचा ज्ञात राजा म्हणजे चोल राजा राजराज. याने अकाराव्या शतकात नाविक दल उभारण्याचा प्रयत्य केला होता. ६०० वर्षानी शिवाजी महाराज सागराचे महत्व लक्षात घेऊन पुन्हा आरमार उभं करतात आणि हे दुसऱ्या कुणाला सुचलं नाही.

प्रचंड दूरदर्शीपणा ठेऊन लष्करी पातळीवर महाराजांनी अनेक महत्त्वपूर्ण बदल केले होते. समुद्रावरील फिरते आरमार हे त्याचेच एक उत्तम उदाहरण आहे. आरमा. रासाठी लागणारी गलबतं आणि होड्या यासाठी वापरण्यात येणारी लाकडं ही परवानगीशिवाय तोडू नये, तसेच आंबा, वड यासारखी झाडं उपयुक्त असल्याने त्यांना कोणत्याही परिस्थितीत हात लावू नये असंही बजावण्यात आलं होतं. त्यामुळे निसर्गाचा

योग्य असा वापर त्यांनी केला. त्यांनी सर्व युध्दे ही स्वराज्याच्या बाहेरच केली कारण शत्रूंचा त्रास हा जनतेला होऊ नये याला पुरंदर चे युध्द अपवाद ठरले. शिवा राय आपल्या सैन्यातील चौथा हिस्सा लढाईसाठी वापरत. संपूर्ण सैन्य वापरत नसत. त्यांनी सेनेला शिस्त लावली होती.सैन्याचा जनतेला उपद्रव होऊ नये यासाठी आपल्या सैन्याला आदेश दिले होते.

पण, आज आपल्याकडे महाराजांच्या या बाजू संपूर्णपणे दुर्लक्षिल्या गेल्या आहेत. कौंटील्याने राजा कसा असावा? हे सांगितले पण शिवरायांनी ते स्वत: करून दाखवले. शिवरायांच्या प्रत्येक हालचालींची दखल तेव्हा परकीय आणि शत्रू घेत असे. शिवारायांची सुरत लुटल्याची बातमी हेडलाईन म्हणून १६७२ साली लंडनच्या 'लंडन गॅझेट' या पेपरात आली होती. त्याची प्रत आजही उपलब्ध आहे. तसंच पो. र्तुगालच्या राजाला येथील व्हाईसरायने लिहीलेल्या पत्रात तो म्हणतो, ''की बरे झाले शिवाजी जमिनीवर जन्माला आला. नाहीतर त्याने

जमिनीसारखा संपूर्ण समुद्रही जिंकून घेतला असता, सिकंदराशी तुलना करावी असाच हा योध्दा आहे''. महाराजांच्या आरमाराची दखल ही फ्रेंच आरामाराने देखील घेतली होती. त्या काळी महाराजांचे आरमार सर्वाधिक

शक्तीशाली असल्याचे त्यांनी म्हटले होते.

शिवाजी महाराजाबद्दलं थोड्या अवधीत सर्व काही सांगणं अशक्य आहे. स्वरा. ज्याची शपथ, अफजलखानाचा वध, शायिस्थेखानावावर हल्ला, सुरतेची लूट, आग्य. ावरून सुटका, राज्यभिषेक, अशा अनेक घटनांनी शिवरायांचे बुध्दी दूरदृष्टी शौर्य आणि राजा म्हणून केलेली कर्तव्ये, न्यायनिवाडे अतुलनीय आहेत.

आजच्या युगात त्यांच्या विचारांवर चालणारे फार थोडे आहेत. त्यांनी समाजाला एक नवा दृष्टिकोन दिला. आजही त्यांच्यापासून स्फुर्ती मिळते, परंतु ही स्फुर्ती चिरंतकाळ टिकून ठेवण्यासाठी इतिहासाचा सर्वांगीण अभ्यास करणे गरजेचे आहे. शिवरायांच्या काळातील मोडी,

फारसी लिपी आजही सर्वांना ज्ञात नसल्याने खूप मोठ्या इतिहासावर धूळ साचली आहे. आजच्या पिढीला यामधून घेण्यासारखे खूप काही आहे परंतु जे जतन करणंच आपल्याला अवघड जाताना दिसतंय, त्यामुळेच पुरातन अवशेषांची दुर्दशा झालेली दिसते. एकीकडे आपण समुद्रावर शिवरायांचा पुतळा बा. ंधताना दिसतो पण ज्या गडावर त्यांनी राज्य केले ते गडकिल्ले ओस पडताना दिसतात. त्यामुळे सर्व इतिहास जतन करण महत्वाचं आहे. ज्या ब्रिटिश आरमारापुढे नेपोलियन सम्र. ाटाने हात टेकले..., त्याच ब्रिटिश आरमाराला शिवरायांच्या आरमाराची

धास्ती होती. त्याकाळी स्वराज्या. च्या सीमा सुरक्षित नसतानाही शेतकरी वर्गासाठी योजना केल्या गेल्या परंतु सध्या लोकशाही प्रस्थापित असून सुध्दा समाजाचा शेतकऱ्याकडे बघण्याचा दृष्. टकोन बदलत नाही.



Letters and me

When I first heard of it, it sounded pretty weird, so, out of curiosity, I googled it. Graphology is a science of analyzing handwriting and knowing people's personality. Being interested in psychology, knowing about different traits always fascinated me. After learning Graphology, I reckoned that the world is full of people, each one different from the other. Observing the handwriting carefully can instantly tell about a person's behaviour, its cause, his/her thoughts, relationships, etc. The reason I wanted to learn this was to help people solve their problems and introspect on my own. The most important values that it teaches you are tolerance and acceptance. It makes you believe that there can be different perspectives to an idea and also, it teaches you to accept people unconditionally. You learn how to be happy without getting affected by other's image of you. This leads to the shaping of one's thought processes and helps to effectively deal or get rid of one's problems in life. Changing the formation of the handwriting and simultaneously changing the meaning of life can sound a bit weird, but surprisingly, it does work. If not drastically then gradually, but it works. It made me bold, in terms of accepting new challenges and ideas, and gave me a realization of happiness in life. You transfer yourself to a different world of letters and in turn, it transforms you!

-Gayatri Godbole

Must Listen

Guzaarish (K.K., Shail Hada) – This song from the film Guzaarish (2010) is a piece of beauty. It starts off with the sound of rainfall and dialogues from scenes of 'Romeo and Juliet' have been weaved into the song, making for a track that one would listen to repeatedly.

Kaisi Paheli Zindagani (Sunidhi Chauhan) – Sunidhi Chauhan's voice is intoxicating in this song from the film 'Parineeta'. The beautiful lyrics wondering about the riddle of life make it a must-have on one's playlist.

Preacher (OneRepublic) – Preacher talks about Ryan Teddy's (a member of the band) grandfather who was a guide to him when he was young.

Photograph (Ed Sheeran) – Photograph is a song which pulls on all the right heartstrings with its beautiful lyrics.

Saakshi Gupta

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Jokes turned Sour

'If we celebrated Halloween widely in India, there would be nakabandis checking on who's dressed as whom."

This was tweeted by Rohan Joshi; his tweet one among the many others that popped up after the news of Kiku Sharda being arrested for mimicking Gurmeet Ram Rahim Singh Insaan spread all over the media. While the followers of the self-styled godman appeared satisfied with the comedian's arrest, the social media dominantly filled up with support for Kiku Sharda. It seemed quite irrational for the Haryana police to arrest a man in Mumbai who was simply acting out the script he was handed.

There have been similar cases of people getting offended by comedians in the recent years. In April 2015, when the well-known stand-up comedian Vir Das was performing in Delhi, an audience member was offended by his outrageous sketch of Dr. Abdul Kalam, so much so that the police showed up at the venue to investigate because they had received a 'phone call'. This sabotaged the ending of his show. He wrote an open letter regarding the issue, a part of which stated - "... But it is strange that instead of giving us feedback, commenting on our work, critiquing it, rejecting it (all of which are welcome)....it's just so much easier to just make life difficult for us with a phone call..."

In a world where one has to choose their words carefully because you never know when a person might get offended, comedians show no fear in taking jabs at every subject under the sun. Maybe this fearlessness is what is landing quite a few of them in trouble with the law. Nowadays, there are so many issues, both legal and general, which the comedians are facing. There are people who just create a big hype about a small issue and spoil the image of these comedians. People consider comedians as vulnerable and assume that strict action would be taken against them even for an insignificant issue.

India, today, is home to all kinds of comedy - from the ones seen in television serials to the ones performed by stand-up comedians – and it is the latter who have been dominating the scene because of their outspoken personalities and fresh content. It is a comedian's job to take up a subject and turn it into a laughing matter. If they start getting wary of every single punch line of theirs in the fear of offending one person or the other, the scope of the Indian comedy scene is bound to get very limited.

So instead of deliberately nit-picking the jokes of comedians for offensive matter, maybe it's time to lay back and enjoy the wide range of humour Indian comedians have to offer. And if something genuinely offensive is spoken, there are many people (and trolls) on social media to speak out against it.

As Vir Das said at the end of his open letter, "... The next time you see 1989 people laughing all around you, try and join them."

Open Forum

Saakshi Gupta & Radhika Raghupathy

Movies to Look Out For

As we enter the second month of the New Year, let's take a look at some of the awesome upcoming movies that are a must watch.

1. Batman v Superman: Dawn of Justice (March 25th, 2016)

Fearing the actions of a god-like superhero left unchecked, Gotham City's very own formidable, forceful vigilante takes on Metropolis's most revered, modern-day savior, while the world wrestles with what sort of hero it really needs. And with Batman vs Superman at war with one another, a new threat quickly arises, putting mankind in greater danger than it's ever known before. Starring Ben Affleck, Henry Cavill and Jesse Eisenberg.

2. The Boy (January 22nd, 2016)

A young American woman named Greta takes a job as a nanny for an 8 year old boy in a remote English village. To her surprise, Greta learns that the child is a life sized doll. When she violates a list of strict rules, a series of disturbing and inexplicable events bring her worst fears to life, leading her to believe that the doll might be alive. Starring Lauren Cohan.

3. Mohenjo Daro (August 12th, 2016)

Of course, as the name suggests, the film has been set in the era of the Indus Valley civilisation that dates back to 2600 BC. This period adventure speaks about an orphan kid who lives with his uncle near the area of Mohenjo Daro. Once he comes to know about a fair in Mohenjo Daro. He visits the fair and comes up with an ambition of becoming a trader. Starring Hrithik Roshan, Pooja Hegde.

4. Jai Gangaajal (March 4th, 2016)

Jai Gangaajal is an upcoming 2016 Indian Hindi action drama film, directed by Prakash Jha. It is a sequel of the 2003 crime film Gangaajal, and stars Priyanka Chopra in the lead role with Jha appearing in a supporting role.

Pocket Tales

- She saw tickets to Goa lying on the table, and looked at her brother questioningly. He just shrugged and gave her a cheeky smile. It was then that it struck her - he was making up for the trip to Singapore she had missed out on due to him falling ill, and she grinned, 'Best Valentine's gift ever!'
- His mother worked hard to make ends meet and he loved her dearly. But that day, he argued with his mother for extra money to buy his friend a gift. When he returned home after the party, he saw his mother on the bed, gasping desperately for breath; her usual inhaler empty. There wasn't enough money at home and before he could do anything she died. Flooded with grief and burdened with blame, he jumped off the roof into nothingness.

Sawri Madkaikar Apurva Tudekar

Love V/S Friend-Zone

Spent the Valentine's wondering whether or not your crush likes you back? We hope he/she does, but what if your worst fears of being 'friend-zoned' come true? Before having to learn it the hard way, take this quiz to know where you stand in their life!

) Are they jealous when you flirt with someone else?

a) Probably. Often when you go off alone with another boy/girl, they suddenly barge in and try to join the conversation

) You've tried talking to other boys/girls in their presence, but they seemed not to notice or

c) Not really. They always tell you to find someone. Sometimes they even suggest you which boy/girl to approach

2) Have you made it apparent that you think of them as more than a friend?

- a) From time to time, then they tell you how sweet you are
- b) You doubt they have any idea about your true feelings
- c) You told them once, and they pretended like it never happened

3) Do they make it apparent that they only think of you as a friend?

- a) Not really, they call you by your name, and introduce you that way
- b) You don't really know
- c) They like to call you as their friend, and always introduce you as their friend

4) In a social situation, where do they prefer to be?

- a) With you, as if no one else is around
- b) Close enough to make regular eye contact with you
- c) They're okay if you're close by or far away

5) Does your absence irritate or disturb them?

a) A lot. They want you to be with them all the time

b) They don't express their disturbance, but they make sure you know that they missed you.

c) Kind of. They prefer you to be around, but they're okay if you're not

6) Have they said that they'd like to find a person like you in the future?

- a) Yes, they've said that they'd like to find someone like you in the future
- b) Yes, they've said that you'd make a great partner
- c) No, they tell you about other people they'd like to date in future

7) Why do you think they're hanging out with you?

a) You both understand each other well, laugh at each other's jokes, have similar interests, and enjoy each other's company

- b) You don't really know. You're very nice to them
- c) Because you're there to support them whenever they need

8) What do they say when you ask them out for a lunch or a movie? a) They say yes, and you have a great time together b) They laugh it off and avoid the question

c) They ask, "who else is coming?"

9) What is their reaction when someone says that you two make a good couple?

- a) They keep smiling and blushing
- b) They blush a bit but laugh it off
- c) They laugh it off but make sure that everyone knows they are annoyed

10) Do they talk to you about other guys/girls?

a) They sometimes mention that this or that guy/girl is cute or whatever, but they don't go into too much detail

b) They do talk about other guys/girls in great detail c) Yes. You often end up writing love letters to their crush

1) If most of your answers are option 'a', then -They are SURELY in love with you! What are you waiting for? Express your love to them!

2) If most of your answers are option 'b', then -Maybe they love you, maybe they don't! But there is still hope! Keep trying!

3) If most of your answers are option 'c', then -Hard luck, mate! You are officially FRIEND-ZONED. They love you, but 'just as a friend'.

5 Things Worth Loving!

- 1. Love yourself Only then can you truly love others.
- 2. Love your parents You'll miss them when they're not around. So love them and show them your love.
- 3. Love your career Loving an activity you'll be doing for the REST OF YOUR LIFE should be quite important, eh?
- 4. Love your enemies That's what they really need. That's their real punishment.
- 5. Love animals Only they give a guaranteed 100% return of the love we give them!

5 Ways to Save a Relationship

- 1. Trust Trust is crucial. No ifs or buts
- 2. Use the word 'we' When in a relationship you are not alone. Remember that. Changing you: 'I' to 'we' can have magical results.
- 3. Remember why you started Ask yourself: What drew me to this person to begin with? Reevaluating the reasons you came together reminds you of the reasons to stay together, and this strengthens your relationship
- 4. Go the old school way Write them 'letters' and bring them flowers. Traditional ways always work.
- 5. Give each other space Holding on doesn't mean being clingy. They need a partner, not glue. Period.

5 Reasons to Enjoy Being Single!

1. More Money For You - No need to spend your money on dates or gifts! Your wallet will be considerably full at most times.

- 2. Freedom Do everything you like to do. Talk to all your friends of the opposite sex without worrying about making your significant other jealous!
- 3. More Time to Sleep No compromise on sleeping for the 2am talks! You can sleep early without the drama of 'how did you sleep without wishing me goodnight' and avoid bags under your eyes.
- 4. Your Fries Are Your Own You don't have to share your Peri Peri Fries, chicken wings or cheese pizza with anyone. You can devour an entire plate all by yourself.
- 5. More Time For Yourself You have all the time in the world! You can start learning something new, like a new dish or a new craft like sewing!

5 Ways to Move On!

- 1. Allow yourself to be sad The first step of moving on is accepting that the break up affected you, so don't bottle up your emotions. Sadness and crying are your mind's way of dealing with emotional upheaval.
- 2. Get a new start Change your playlist, your wallpaper, your bedsheet, your routine activities that have the power to change your mood or simply read a new book.
- 3. Leave your comfort zone Learn a new skill or two and uncover your hidden talents!
- 4. Hangout with friends Your best friends were there for you through all your drama, so don't cut them out. It's only fair you party with them now.
- 5. Just take it one day at a time Hit the gym, rock a look you've always wanted, forgive and forget. Move on to the next chapter.

THE FAMOUS

Results



After the wonderful journey of Star Wars in the January edition of The Ruiaite, it's again time for assignments and exams. We know that E-learning is one of the effective ways to learn complex things in simple ways using technology. So learning now has become an extremely passive and online affair. By this, we mean that nowadays, it is not the walls of one's classroom that bound the imagination or the knowledge of people, but the will to learn more that restricts our reach and capability. With this ever changing world there is a need to keep pace with it in order to make oneself marketable, that is, to keep oneself employable. Recognizing this need, many people in the West have come up with what is known as the "nano-degree". This is a concept that makes learning from some of the leading institutes possible and available to all. At the end of the day, all of this is possible due to the Internet. The concept of nano-degree is a simple one and is offered by many websites online, chief among them being Google.

So here we present to you an evaluation of a few websites which will make you enjoy the process of learning.

courserd

Coursera, like the other websites, is elegant to use and user friendly and offers online courses. it demands that people be committed to the course that they enroll for. This is a prerequisite, not just for an online course but also for the courses that we take in our daily lives in the classrooms. Although there are many such websites (edX, udacity to name a few), what sets coursera apart is its outreach and the number of universities it has partnered with. It has partnered with 133 universities across 26 countries and offers an astounding 1467 courses! As fzar as quantity and choices are concerned, coursera owns it across the board, but in all due fairness, it is not just about quality, is it? I have had the opportunity of taking courses on different websites and what I found was that coursera does a lot of hand-holding during the courses. The courses don't feel like actual college level courses. Also, it has to improve more on logistics and level of support. On the bright side, coursera has a much smoother mobile interface. While testing the apps for these websites, I found that coursera had a very sublime and smooth functioning app. Keeping in mind the merits and demerits of the website, I think it is safe to say that the attempt is a bold and brave one, but considering the organization is only 3 years old, it is obvious that there is much to learn in order to compete with other such websites.

Function Space

FunctionSpace.com is a social learning site for science. The website is equipped with lectures, articles and videos. The site aims at bridging the gap between academic learning and technical skills required in real workspace.

The website allows users to make a profile just like any other social networking site. It combines the balance of classroom learning with the perks of online learning. In the classroom, if we don't understand something, we ask our fellow students. Here as well, you can do the same through discussions and other options and that too with the additional bonus of redefining your concepts of learning, while understanding new terms. This is the advantage of online learning! This website strikes that perfect balance. Community Learning enables you to come up with new ideas as well as filter them to suit real world. The website covers topics from calculus to quantum mechanics. Ideas can be posted in the form of blog posts where people can help them evolve and also nullify the mistakes.

Overall, the website combines the best of both worlds. It can be Facebook for a Scientist and saviour of students and a site used to refresh the concepts. With a dynamic UI and 24 × 7 Support for students and it's elegant style, the website is surely a boon to students.

Khan academy is an online learning platform started in September 2006 by Salman Khan (no, not our bhai!)

Since 2006, Khan academy has undergone a lot of changes in terms of content, user experience and teaching staff. Khan academy has been rapid in its growth, offering courses in major subjects like math, finance and computing. It has been following the vision of its founder, that quality education should be freely available to everyone, and that's one of the contributing factors in its growth.

This was the technical stuff; now let's get to the part that really matters. Is it any good? Depending on one's geo-location and syllabus, Khan Academy caters to one and all. The courses on the platform range from school to college to university syllabus. It acts as a one stop destination for all your education needs. Khan Academy has also helped teachers engage their students in a fun way when dealing with boring and mundane topics like calculus and finance. Khan Academy has proven to be one of the most trusted websites for education. I myself, when found stuck, run to Khan Academy to get help on various subjects when I feel that books are not doing enough justice to the topic. Overall, Khan Academy is a brilliant web platform for learning for students, teachers and parents alike. Khan Academy is a must try for anyone looking to learn something, because as we all know "The process of learning is a lifelong process."



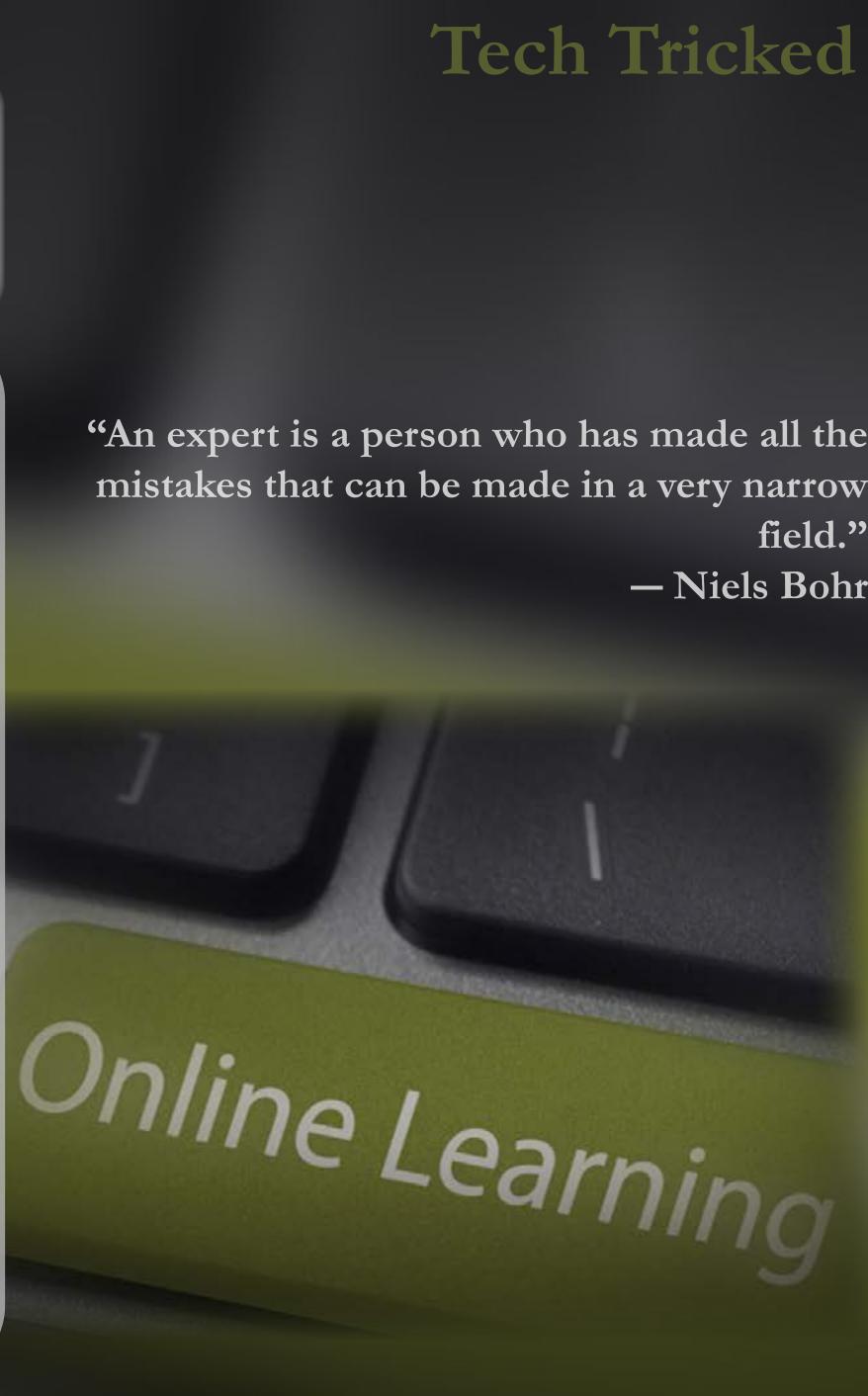
Codeacademy is one of the largest online educational websites, offering courses in programming languages. Courses for basic web development languages like HTML and CSS, as well as complex high-end languages like Java, are available for free. It's a great starting point for any amateur who is interested in becoming a programmer or web developer. Codeacademy comes with a built in text editor and output panel. Type in the code, compile it and run it. It's as easy as that! It is absolutely easy as you don't have to install all the peripherals of various coding languages. There are also projects at the end of every section that help you to make practical application of what you learned. The only problem is that it is too beginner-centric and the employment value is low if you don't build a substantial real world portfolio while you are learning. That being said, Codeacademy might be the first stepping stone for anyone to start exploring and conquering the world of programming languages.

Tech Tricked

KHANACADEMY

code cademy

"An expert is a person who has made all the mistakes that can be made in a very narrow



THINGS THAT MATTER:

What's your resolution this year?

You might have heard the term resolution or "res", but have you ever wondered what it actually means? Well, the display resolution or display mode of a digital television, computer monitor or display device, is the number of distinct pixels in each dimension that can be displayed. It can be an ambiguous term, especially as the displayed resolution is controlled by different factors in cathode ray tube (CRT) displays, flat-panel displays (including Liquid-Crystal Displays, that is, LCDs) and projection displays using fixed picture-element, also known as pixels. It is usually quoted as width (×) height, with the units in pixels: for example, "1920x1080" means the width is 1920 pixels and the height is 1080 pixels. This example would normally be spoken as "nineteen-twenty by ten-eighty" which we usually call 1080p i.e. FullHD.

There are a whole lot of resolutions available out there. The average resolution of our smartphone is 1280x720, also known as 720p display or Semi-HD. Our laptops have slightly bigger displays and hence, their average resolution is somewhere around 1440x900. As we go up the pyramid, desktops have bigger displays, for e.g. 1920x1080 i.e. Full HD. Modern desktops might also have the recently hyped Ultra HD or 4K resolution. It's like any other resolution, also measured in pixels. It's somewhere around 4096x2304 pixels. It has a total of 9,437,184 pixels. But it's not the largest display resolution available (as some people might think). Modern films are shot on an enormous 8K resolution (8196x4608)! Other common resolutions are the DVD NTSC resolution 580x480, the 2K television resolution 2048x1152. The largest resolution we have so far is the RED EPIC 617 Digital Film Standard having 28000×9334 pixels, making a total of 261,352,000 pixels. That number is bigger than the number of seconds we have in an entire year!

DIGITAL WALLETS! -Mudita Joshi, TYBA economics

Over thousands of years, the forms of money have changed from barter to metallic money to plastic money, and now, we are moving to digital wallets which are a virtual version of plastic money! Digital wallet is a system which helps and allows users to make electronic transactions quickly and securely. Hence, in simple Universal Bank words, it is an application by which consumers can pay for their purchases with their smart phones.

There are many companies providing this service, such as Google Wallets, PayPal, Apple Pay and so on. Many of them are based on the technology 1234 5678 9012 3456 called Near-Field Communication (NFC), which is a Card Holder's Name short range wireless connectivity standard that uses magnetic field for the communication between the two devices when they are touched together or brought within its area. The users have to make some set ups on their mobile handsets. The company providing digital wallets may charge some amount if the user is a retailer or a vendor. Otherwise, it is free for consumers. The user also has to provide personal information and bank account details. Also, it has Fast Secure Authentication and Secure Tamper Proof Storage which allows saving the sensitive information with a password. It also allows biometric scanners that are integrated with the device and which are used for quick authentication.

While using the application, the payer has to enter the amount to be transferred and has to tap to the device of the payee and the amount is transferred with the help of NFC technology and the receipt is generated. € Digital wallets which are on devices, are connected to the internet and therefore, have a high capacity of storing information such as driver's license, health card, etc. Today's digital wallets largely contain retail information such as payment methods, applications that enable the consumers to get discounts, loyalty programs etc. Some wallet platforms have made it easier for the companies to use digital messaging to bring back consumers into physical stores and not just shop from virtual / online stores. Digital wallets are a boon for the companies that collect consumer data. The more companies know about the consumers, the more effectively they can do the marketing.

So now its our turn to empty our physical wallets and replace them with the digital wallets!

THEORY MADE SIMPLE:

Group Theory

In math, a group is a particular collection of elements. That might be a set of integers, the face of a Rubik's Cube, or anything, so long as they follow four specific rules, or Axioms-

Axiom one: All group operations must be closed or restricted to group elements only. So, in our square, for any operation you do, you'll still wind up with an element of the group.

Axiom two: No matter where we put parentheses when we're doing a single group operation, we still get the same result. In other words, one plus two is the same as two plus one.

Axiom three: For every operation, there's an element of our group called the identity. When we apply it to any other element in our group, we still get that element.

Axiom four: Every group element has an element called its inverse in the group itself. When the two are brought together using the group's addition or multiplication operation, they result in the identity element.

Group theory is studied to solve puzzles and various mathematical problems. The famous 3X3 Rubik's cube can only be solved by Group theory.





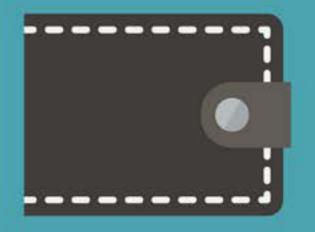












10:45 am!!...Robert looked at his wristwatch while running hastily out of the lawyer's office cursing, under his breath, as he was running late to reach the university. While driving his sedan, a series of thoughts gushed through his mind- the talk with his lawyer about his alimony, the lost tribe, the island of sin, the previous night's flashes... After a 25 minute drive, he hurried into the university building. After winding up his lectures, he met Enoch, the boy who was supposed to get the book for him. Enoch, handing over the book to Robert, said, "Sir, here is the book you asked for." Robert, in the state of euphoria, replied, "Oh, thank you my boy!". While climbing the stairs which went towards the library, he read the name of the book- "The Power of the Dawned" by V.J Garrison. He read the information given in the book which he was concerned about. He also went through the other books of the library to know about the lost tribe which resides in the 'Island of sin'.

Determined to persuade Garrison to divulge the information about the lost tribe, Robert called him up. "Hello! Am I speaking to Mr V.J?" enquired Robert. "Umm yes, May I know who is this? And how can I help you?" replied the author. Robert said with

hesitation, "Sir, Robert Williams here, an anthropologist. I called you up to know more about the 'Island of sin' about which you have mentioned in your book, 'The Power of the Dawned'. I would like to know the way to reach there. I've been searching for it since ages." V.J said with a chuckle, 'Ah! I'm myself in search of it since eons but I have been unsuccessful. Due to my old age I'm unable to venture out for this. I have been





there many times but I couldn't see anything beyond the Grimhog valley. But my boy, trust me I could sense something, something very unusual. I hope you succeed in finding it. As of now all I can do is mail you a map, although it is vague, which might help you in finding the island and the lost tribe." Robert said with excitement, "Thanks a lot sir, I'm indebted to you for life. I'll send you my email address in a while." "Alright, bye good day" said Garrison and hung up the phone.

After a few days Robert set out for his voyage with all the necessary materials like food, books related to the lost tribe, his precious possessions, etc. Three weeks later as he reached the Kshibi forest in a boat, the ferry man said to



him, "Sir, the journey ends here." Robert asked him being perplexed, "Where is the Island of sin?" The ferry man replied with frustration, "Sir, I have told you umpteen times that it is just a myth; nothing exists beyond the Grimhog valley. The map which you are carrying along with you is a myth as well". Robert said with impatience," I'm asking you for the last time, are you going to take me there or not?" The ferry man replied firmly, "No, please relieve me sir." The ferry man left after being paid. Robert muttered to himself as he was clueless as to where to head. Nevertheless he kept moving deep into the Kshibi forest. He faced many difficulties in the forest as it was one of the most dense and dangerous forest in the entire Australia. The journey

WORLD OF FANTASY

Pentactus Part Two

seemed to be endless as it took another five days to reach the much hyped up Grimhog valley-only a handful of people dared to track the game deep into its craggy recesses. Despite of being scared, Robert had the determination to find out the Island of sin, so he continued his journey. Little did he know that this journey wouldn't be as smooth as he had expected.

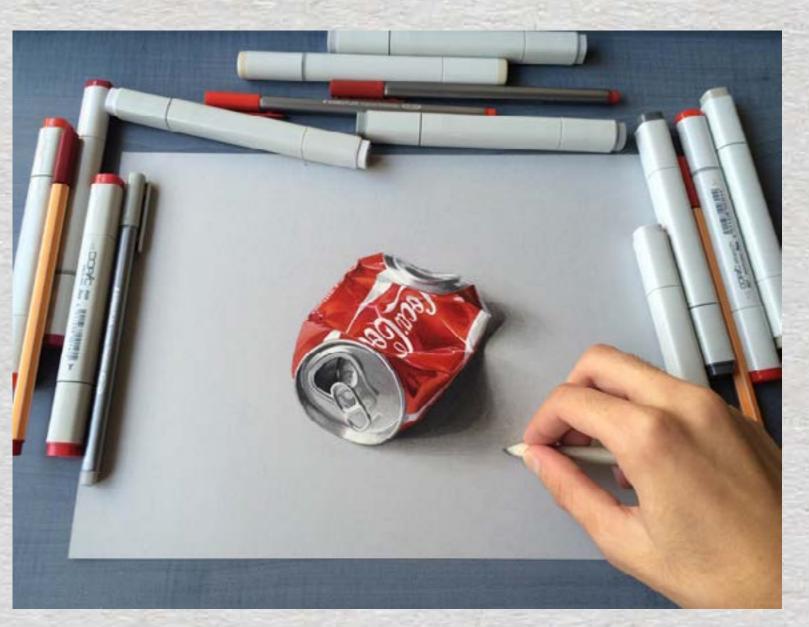
As he reached in the middle of the valley, he was surrounded by a group of heavily built men. Seeing them, Robert considered that his judgment day was not far away. They demanded for money as he was an intruder to their territory. Since he didn't carry much money along with him, all his precious antique possessions were robbed. He was left there with two men to keep a watch on him so that he could be taken to their chief. But he fought with those two men using explicit tactics and sneaked out, once they were out of the sight. He ran for his life and finally found himself on a safer path. Finally he came out of the Grimhog valley after a three day hardship. But the destination was not as near as he had thought. Another two days passed in making a new boat, which would help him to cross the Ceris Ocean. As the boat was ready he resumed his journey. Viewing the Kayrack mountains from the Ceris ocean on the left hand side he felt more energetic to reach his destination.

Two weeks later, Robert found his destination being visible from his boat. Half of his goal was accomplished after painstaking efforts taken by him since many years. As he started entering the island, the flashes came back which made him feel dizzy. In spite of this he kept walking deep into the forest. As he went deeper into the dense forest realizing that he had seen something like this before, he heard some shuffling from the bushes around. Alarmed, he looked around cautiously for the source of sound, but couldn't spot it. Robert kept moving ahead with bewilderment. Having known this path vaguely, he heard the same sound again which was even more rigorous this time. This frightened him and quickened his pace and headed aimlessly. Later he heard the same horrific sound and when he turned back he bumped into a huge thing and gasped "Aaaahhhh!!"

Illustrations by- Amrita Shenoy



Amrita Shenoy



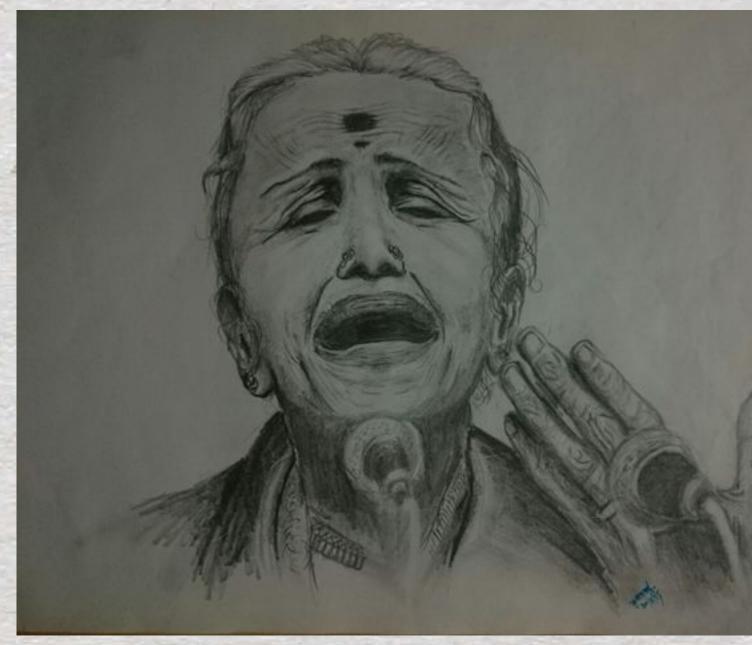
Sushant Rane



Shruti Nikumbha







Tanmay Thakur



Abhishek Kalarikkal



'The

Months passed since they last met, Distance had tested their patience enough. It was finally time for their reunion, And destiny too, had planned no bluff.

REUNION The extended silence as they faced each other, Sounded similar to the rigorous waterfalls Sounded similar to the rigorous waterfalls. -Pranjali Pate Their beautiful story had commenced again Witnessed only by the four closed walls.

> He took a step forward and her heart missed a beat, The moving world around them was now on a standstill. He stood in front of her awaiting her approval, and she gave the sweetest smile; that of an accepted will.



His trembling fingers struggled, but she reassured with a nod. His touch went up her face and shivers ran down her spine. His fingers travelled descending, resting themselves on her neck. And the tiny hair stood against her skin, in a straight perpendicular line.

Their constantly staring eyes transmitted innumerable unspoken words... But most importantly had let out, the burning desire of longing and lust. Eyes cram-full with love, he leaned down closer to her face. But she could no more sink in the view, closing the eyes was a must.

He cupped her face, she froze; but he made his way towards her forehead. And the warm touch of his lips, melted every inch of her skin. Tears had now flooded her half opened beautiful eyes, But she uttered no sound, not even that of a dropping pin.

The kiss resided on her forehead and it felt like magic, The magic created from a gracefully moving wand. Unable to sustain the overwhelming stimulus, she collapsed. Her limbs completely failing, to help her stand.

She whimpered, she weeped, she whined; digging herself into his chest. And he held her into his embrace, tender and tight. Wiping the tears off her face, she glanced up at him. Making a reflex contact to his lips, with absolutely no fright.

With every falling piece of cloth, fell down their fears and fights. And with the rising nakedness what rose, was love and only more love. They rhythmed themselves into the subtle and sweet process, A sight as serene as a lake centered with a white dove.

She laid beneath him, with genuine pure surrenderance. And he worshipped her from above, like his only visited temple. His stare caught hers, promising possession and protection. And she heard the inaudible, aptly visible in her dimple.

He made his final move, filling in her insides. With doting dignity, leading her to the completion. It was one ecstatic encounter, not of 2 bodies but 2 souls. It was their own, their very own Reunion ...!

Students Corner

Our students from Sanskrit department stood first in The Maharashtra Sanskrit Rajya Natya Spardha which was held on 29th December in Pa Saa khedkar Natyagruh, Nashik

Original play's name is 'Kaahi khaduche tukade', in Sanskrit 'Sudhakhandaha Kechit'



Digambar Acharya Best director Award and Second prize for set (nepathya)



Swarali Patil-Best Actor Award (Female)

Achievements



Jignesh Killekar Best Actor Award (male)

Chief Editors Prof. Devyani Ganpule Prof. Gayatri Lele

Executive Editors

Pankaj Ghuge Purnima Nair Raj Kamble

BUZZ AROUND

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INSIGHT

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ART WALL

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OPEN FORUM

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