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ISSUE I

PERCEPTION TO PERSPECTIVE...



THE OBSERVER

Border Security and Management

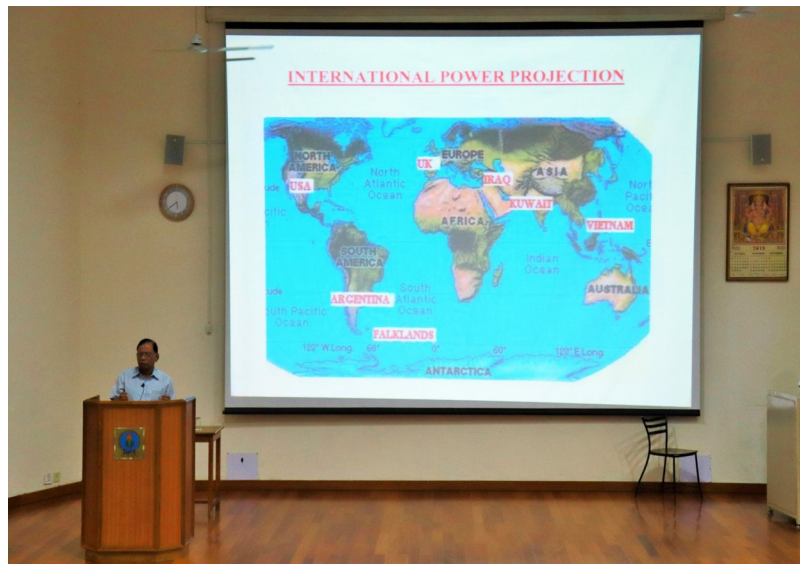
On September 28, 2018, the second anniversary of the Surgical Strike carried out by the Indian Army, a session was conducted by Brig. SKS Negi (Retd.), Registrar and Dean (S&W), JUET, Guna on the topic of 'Border Security and Management'.

Border security is one of the most vital components of national security of any country. It's necessary for the peace and prosperity because ignorance towards this element is a certain recipe for doom for any country.

It's much more important for a nation like India to devise its National Security Policy (NSP) with border security as its key element, as the geographical position of India puts the nation into a tight spot and with major security issues.

India shares border with Myanmar, Bangladesh, Bhutan, Nepal, China, and Pakistan. Of these countries, India has a historically contentious relationship with China and a hostile relationship with Pakistan. Incidentally, we share most of our border with these two. We have been at war with both of them and there is a continuous security threat from both the nations, hence a constant vigilance is a necessity for the Indian Army and administration.

The sheer size of the border with these countries makes it impossible to patrol the borders by using human resource alone. To aid the Army, cutting-edge technology is required and we need to have them made in-house to avoid the risk of sabotage. Recently, it was revealed that the Chinese Government had planted hardware bugs in the networking chips manufactured for the US Government and Apple manufactured in China. India has been offered the technology needed for the patrolling by other countries as well, but the cost is nothing short of exorbitant.



India currently lacks the manufacturing prowess that is essential for defense. India is the largest importer of weapons in the world. We import every rifle, every bullet that goes in it, every fighter aircraft, warship, vehicles, and armament. This not only hampers the effectiveness of our army in times of crisis and the economic aspect but also gives the exporting country a leverage that can be used against us. We are currently facing an intense crisis in the form of arms shortage.

The current military hardware is age-old, with most of it dating back to the Cold War era. It certainly is a huge order to ask any soldier to defend the country ill-equipped, in the most extreme environmental conditions and strenuous duty time. Another key factor is the time span taken for any decision. Security is a

time sensitive realm, where, often the decision needs to be taken in the nick of time. The current decision making progress is not only inefficient and but sluggish as well, and the army doesn't have a real decision making power as the government decides everything. This mechanism often creates situations where the opportunity window is lost and the actions are in vain. Hence it is certainly a pressing need to change the mechanism and give the army more decision making powers.

To wind things up, our country's decision-making body has its work cut out for it. We need to keep up with the technological advancements and create a friendly environment to aid it and have the ability to make everything we need and import what we must. Army should be given more decision making power and the foreign policy should be seen as a strategic tool of defense and be dealt with utmost seriousness. And the youth should have a basic idea about all of this as we are the future of everything there is.

-Ayush Farkya & Aagam Jain

A talk with the newest entry to the IJET teaching fraternity **Mr. Navaljeet Singh Arora**

1. What inspired you to be a teacher and how you entered into the teaching world?

The biggest inspiration of my life is my teachers guidance who helped me to select one path and walk on it and that was of research and development. After completing my master's degree from IIT-ISM Dhanbad I qualified UGC-NET exam and then landed into Jaypee University of Engineering and Technology where I am teaching first year Computer Science Engineering students along with it completing my PhD.

2. What is best part of your job?

The best part of my job is that you get attention by the students and you are the only one who speaks and rest listens to you. You get an opportunity of expressing yourself in front of others and to deliver the knowledge.

3. Sir what is your discipline philosophy?

Ans. My discipline philosophy follows "Baba Ranchod Das's philosophy don't run behind success ,run behind knowledge." One should try to bring perfection in whatever he/she does. What I think is to maintain discipline and decorum a teacher should have in him patience, perseverance, trust on God. Students remain disciplined when they get something new, interesting and creative to learn. So I try to be creative and friendly.

4. Teaching is a field in which you have to be an agile learner How you manage to get updated in your

I have a very strict rule in schedule that is I devotes atleast two hour a day on exploring new things which are beneficial for the students apart from preparing for the daily lectures. I am also researching as a student so I can use it for my Doctor of Philosophy.

5. Technology is growing day by day . Do you think these online teaching methods can replace the role of a teacher?

Ans. What I have learnt from online courses is that they are not covering topics in depth . They will give you brief overview of topics and giving at last brief quizzes . The are not motivating you towards the practices on contrast motivating you to complete quizzes and assignments which sometimes aren't upto the mark. That's why traditional teaching methods can never be replaced .



6. What is more important in the field of teaching experience or talent?

In the field of teaching talent matters the most. If you have the talent of learning things, talent to deliver the matter, then experience will come easily but if you don't have the talent of learning things, talent of delivering the things then it is difficult to be a teacher.

7. Sir, being new in this profession what are your teaching methodology?

Ans. This question was asked to me during my interview . My approach for teaching methodology is 'incremental approach'. Now incremental approach means we will go from basic to advance . After building basic we can apply optimisation if it is applicable

**Continued on next page*

8. How do you prepare yourself before taking a lecture?

Ans. Basically all the topics have some theories and very basic concepts which are supposed to be done first. When the basic idea of the chapter is clear then I use it to get all the possible questions out of it Then I prepare some advance topics for the students and and methods to approach the question.

9. You always ask for the feedbacks from the students in class. Why do you think feedback is important and how do you work of it?

Ans. Feedbacks are really important. As I am new to teaching, with not much experience in this profession, it's only the feedbacks which help me to grow. When the students themselves tell you how you are teaching, it's easier to analyse. Positive feedbacks lead to increment in confidence and encourage me. On the other hand negative feedbacks let me know where to improve. So I just keep those feedbacks in mind and try to improve.

10. Where do you think students of JUET stand in coding and programming?

Ans. Coding culture is very good here in JUET. Senior students help juniors a lot with coding, which is rarely seen anywhere else. Students here are very sincere and obedient. As students are new to programming, preparing to become coders, they are very much enthusiastic. And that urge to become good coders will take them a long way ahead.

11. How do you maintain healthy relationship among students?

Ans. Healthy relationship among your student is 'I am not you teacher but you FRIEND'. The way you talk to your friend I want you to talk to me like that . There is much gap between a teacher and student than student and friend. I want my student to be friendly with me to avoid gap between us . If that gap occurs then improvement from both of side will be effected badly.

12. How different is it being a teacher from a working professional?

Ans. According to me every job has its own responsibilities. What I like about being a teacher is I feel motivated when i am surrounded by youth, you have future of so many students in your hands so it's really important and also it becomes your responsibility to prepare everyone according to that path. In a working professional you have no job responsibilities. One has to prepare for his own

incremental growth and has to do a lot of research paper work while in teaching you remain enthusiastic, you always have something new to do and you gain motivation to do and deliver new things.

13. Sir how do you encourage students to succeed in academics?

Ans. I would just like to say that do whatever the teacher has asked you to do. They are obviously much more experienced than you. Whatever work or assignments are given complete them on time and with full dedication. Obey your teachers in every manner. That's the only key to success.

14. What will be you advice for the students?

Ans. Don't run behind marks, just increase your knowledge. Don't worry about the result, just work hard. Keep all your concepts and basics strong. Keep practicing. Always focus on quality rather than quantity. You must follow knowledge, and then success will follow you.

15. Sir since it is your third month in this college so what do you like about JUET?

Ans. Here in JUET I like campus the most. The lush green gardens, its natural beauty and the greenery of the college makes the day a refreshing one . The morning here is very beautiful and peaceful. I like to do meditation and here in JUET one can find the best atmosphere to do meditation. For me meditation is really very important. To stand in front of the class and deliver lectures for hours really needs a lot of patience which cannot come without meditating. Taking a walk in the campus early morning boosts your energy and makes your day full of enthusiasm which has helped me also a lot. So yes definitely the most beautiful thing about this campus is its greenery.

*****This interview was conducted by the panel constituting Palak Modi, Radhika Shukla, Atishay Jain & Rajiv Sirothiya*****

"If you look at what you have in life, you'll always have more. If you look at what you don't have in life, you'll never have enough."

Oprah Winfrey

"The Journey of a Thousand Miles Begins with One Step. "

Lao Tzu

EL Partido Grande De Freshers

“There are no strangers in here just friends you haven’t met”

Immediately after the start of the academic year, Fresh-



ers start dreaming about their Fresher’s Day, which is celebrated in every college. Fresher’s party help in breaking the ice between seniors and juniors.

Jaypee University of Engineering and Technology too conducted its Fresher’s party “EL PARTIDO GRANDE DE FRESHERS” for its newly arrived Freshers. The charming evening was fully dedicated to the cultural activities.

The concert started at 6:00 p.m. after students and faculty members had been seated. The Tagore hall was packed with students of all the years to its maximum capacity. The program started with the lightening of the lamp by Respected Vice-Chancellor, Registrar, and Dean Academics, Dean Research and Student welfare and General Secretary JYC.

The first program was a solo dance performance by Miss Palak Modi. To further instill the hearts with musical chords came the next performance by the band of

1 year.

To further hold the breath of audience we had a blasting performance by our band of the 2nd year. To make our hearts dance we had a dance performance by Miss Saloni Sharma and Miss Manasvi Soni.

“Rome wasn’t built in a day”. These mind-blowing and blasting performances were a result of the hard work done by seniors, faculty members, and indeed Freshers. The number of practices, rehearsals for weeks including ramp walk interviews, dancing, singing, and acting auditions. Now moving on was the iconic performance of the evening “The Ramp Walk”.

The Ramp Walk was divided into two rounds followed by the interview round (final round). The two rounds were based on a particular theme and the top 5 participants of these were to face the interview round. The show was at its zenith with the start of Q&A round of the ramp performance which was the qualifier round of Mr. and Miss Fresher. After a great competition and putting all others down, Saloni Sharma won the title of Miss Fresher which was handed over to her by Miss Manika Sharma and Shubh Mehlotra was awarded Mr. Fresher who received it from Mr. Akash Raj Singh, his 2017 counterparts. They were also given cash prizes along with titles.

The most awaited performance was the group dance by first-year boys named “The Black Oops” and first-year girls named “The Lady Rebels”. The performance by Miss Medha Chaudhary, who delighted everyone by awesome songs like Tumse Hi and other melodies added a missing glitter to the stage. A skit delighted “The Bacha Baba” based on today’s world, entertained all.

It was performed by a group of first-year students comprising of Karn Singh Bhati, Harsh Kapoor, Aditi Sanghi,



Piyush Kumar, Divyanshu Garg, and others, tickled everyone's funny bone.

The other dance performance was a fusion performance by second-year dance troop made everybody's dance.

The Bhangra troupe, as always sent a blast wave of energy on the stage engaging even the audience in the dance. The program ended with Vote of Thanks by Secretary of the Cultural Wing.

-Harshit Purwar

Gandhi Jayanti 2018

“Happiness is when what you think, what you say and you do are in harmony” thus said Mahatma Gandhi.

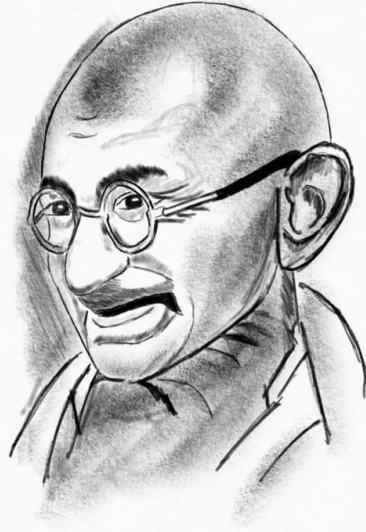
Mohandas Karamchand Gandhi, commonly known as Mahatma Gandhi, was the pre-eminent leader of Indian Nationalism in British ruled India. On the auspicious occasion of Gandhi Jayanti we gathered to pay homage and tribute to the father of the nation, Mahatma Gandhi on 1st October, in LT-5.

To begin the evening respected Registrar and Dean Student Welfare Rtd. Brigadier SKS Negi enlightened us with his thoughts and ideals. Some of the points he mentioned were on how, Gandhiji practiced what he preached, he was brutally honest and truthful, a very simple man he was, though he was from a well to do family he led an extremely simple life and lastly how he taught us to do our own work.

Then to instill our hearts with nationalistic fervor, the favorite song of Gandhiji was sung ‘ *raghupati raghav raja ram...* ’ it was followed by a speech in Hindi which highlighted Gandhiji’s contributions and struggles for The Independence of India.

A dramatic performance on Gandhi’s journey through the length and breadth of British occupied India followed laying special emphasis on Gandhi’s policies of non-violence and civil rights following which we had a speech on the same.

A patriotic song followed “*aaja re bapu aaja rey...*” and the evening concluded with a vote of thanks by the JYC Cultural Wing Secretary.



@Saksham Sharma

On 2nd October 2018, Honorable Vice Chancellor, Respected Registrar and Dean Student Welfare Rtd. Brigadier SKS Negi, Dean Academic and Research and the faculty members in college premises.

The event started with a patriotic song “De di hame azadi” . The song was followed by garlanding the portrait of Gandhiji. The faculty and staff members paid their homage to the Father of Nation on the day of his birth.

“You must not lose faith in humanity. Humanity is an ocean; if a few drops of the ocean are dirty, the ocean does not become dirty.”

-Palak Modi & Atishay Jain

सद्भाव और करुणा के लिए बढ़ती जरूरत

सद्भाव का मतलब है संगतता, उपयोगिता और अन्य चीजों के लिए लाभ की स्थिति में है या सरल भाषा में कहें हित की भावना और करुणा का मतलब है दया | करुणा के साथ मानव जो कुछ करता है वह केवल प्रेम के कारण करता है। हमारे राष्ट्र पिता ने भी कहा की:

“हमेशा सोचा और शब्द और काम की पूर्ण सद्भाव पर ध्यान केंद्रित करें हमेशा अपने विचारों को शुद्ध करने का उद्देश्य और सबकुछ अच्छा होगा।”

मनुष्य आज के व्यस्त जीवन में दया और सद्भाव दोनों ही भूल रहा है जिस से मनुष्य क्रूर होता जा रहा है। साथ ही मौशुय अपनी आंतरिक शांति को क्षति पहुँच रहा है। इस लिए करुणा और सद्भाव की जरूरत प्रतिदिन बढ़ रही है सद्भाव हमारी आत्मसत्ती और व्यवहार को बढ़ाते है।

करुणा हमारे अंदर प्रेम उत्पन्न करता है। ये हमारी ज़िंदगी के बहुत महत्वपूर्ण भाग है, पर आज के आधुनिक युग में सद्भाव और करुणा दोनों ही अपना अस्तित्व खोते जा रहे हैं

जिससे मनुष्य में आत्म्यासक्ति की कमी जोति जा रही है और मनुष्य मानसिक तगत भी खोता जा रहा है।

एक विकसित प्रजाति बनने के लिए हमें इन दोनों को अपनाना होगा।

इसीलिए सद्भाव और करुणा दोनों ही हमारी प्राथमिक जरूरत हैं जो हमारे जीवन के विकास के लिए आवश्यक हैं।

By -Aagam Jain

NASA put Kepler back to sleep in hopes it will send data again

NASA's Kepler Space Telescope has been on shaky ground for some time now. Originally launched in

2009 for a three and a half year mission, the spacecraft has been given numerous lifelines but is now on its last legs, with its fuel stock dwindling and its telescope degrading. Mission scientists have placed Kepler into sleep

mode in hopes of salvaging what might be its last cache of data, though there are no guarantees. Kepler has been running low on fuel for some time, so much so that NASA even put the spacecraft into a sleep mode in July in order to make sure it had enough fuel to transmit data back to Earth but the planet-hunter has kept chugging, it even kicked off a new data collection campaign in August. However, Kepler has run into another snag, and NASA has decided to put it back to sleep for the time being.

It has now been flying for nine and a half years and

supplies are slowly petering out. Ground control has powered Kepler down to a state that doesn't require any fuel so the agency can save what's left for what they call "Deep Space Network time".

"Due to uncertainties about the remaining available fuel, there is no guarantee that NASA will be able to download the science data. If successful the Kepler team will attempt to start the next observing campaign with the remaining fuel." the space agency announced.

The Kepler team discovered that the spacecraft's ability to point its telescope in the right direction is faltering -- something they suspected might be happening a few weeks ago. The last and 19th observation campaign began in late August after the spacecraft was woken from its slumber and modified after one of its thrusters was faulty. This makes it difficult to point the telescope along a specific direction.

That's not the first technical problem, too. Two of its reaction wheels that help Kepler steady and position itself failed in 2012 and 2013. Now, NASA just relies on its thrusters, the remaining wheels, and the pressure of solar wind to control the spacecraft.

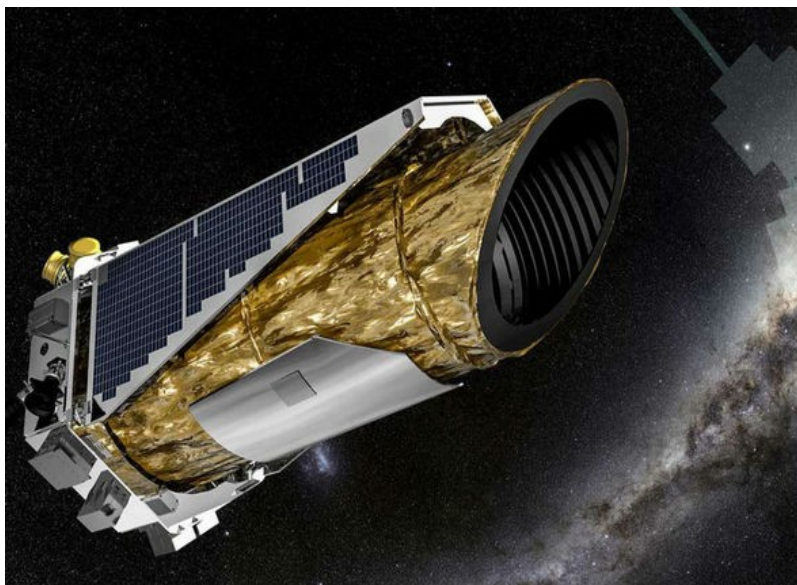
Now that it's confirmed, NASA is putting Kepler back into a sleep mode to conserve fuel ahead of its next data transmission. The spacecraft is scheduled to begin sending its latest round of observations back to Earth on October 10th, though it's unclear if it will have enough fuel to do so.

NASA engineers are still mulling over how they'll

obtain the remaining data from Kepler. In the meantime, astronomers are still sifting through older Kepler data just in case it contains vital information about the universe around us.

While the Kepler mission indeed appears to be nearing its end, its legacy won't be forgotten. NASA's new TESS mission will pick up where Kepler left off, studying the vastness of outer space for the presence of distant exoplanets such that we can learn more about their formation and whether they're potentially habitable or not.

--Aastha Singh



Inter Year Sports

Inter Year Basketball

Ahh..., again all started like it was before those classes, lectures and assignments all over our head & by all those time never passes by. But that day was something different because it was the day when we all came to know it's the time to have the biggest sport event of the whole year it's the start of our Inter year Basketball tournament where the talent rises over the hurdles, pains and failures.

So before jumping over the league let's find out something about Basketball. Basketball is a game played between two teams of five players. And each team tries to score by tossing the ball through the opponent's goal an elevated horizontal hoop and a net called basket. And the main skills used by players are dribbling, shooting, running and jumping.

Moving on to its history the game was invented by "James Naismith" in 1891 and was first played in 1892 where the court was half the size of what it is today. The game has certain rules and regulations as the main aim of basketball is to score more points than the other team, by shooting the ball in the basket. The game of basketball is made of four quarters each 10 or 12 minutes long, at the start of every game referee throws basketball up in air and tries to hit it to their teammates that is called ball jump. points and if a player throws ball from 3 point line then score worth is 3 points. If a player does something illegal in game it is called foul.

Now moving on to the girls inter year basketball, the first match was played on the 18th, Sept the match was between first year and second year girls and the winning team was second year fetching gold medal and first year fetching silver medal. They were followed by the boys inter year the matches which was between third year vs. first year and fourth year vs. third year. The final was played on 23rd Sept, 2018 in which the third year won the gold and fourth year fetched the silver.

Overall it was a successful event concluding with a quote "Success is stumbling from failure to failure with no loss of enthusiasm."

Inter Year Badminton

"All work and no play make Jack a dull boy" Games and sports are an integral part of education as they assist in the overall development of a an individual .A great sport for fitness, badminton is excellent for people of all ages and provide a great choice for those wanting to give a new racket sport a go. With the aim of enhancing the agility of mind and body, an inter year badminton tournament was held from September 17th, 2018 to September 24th, 2018. Students actively participated and learned lessons like life skills, benefits of team-work, leadership as well as handling defeat.

There were three groups, two for boys and one for girls.

The categories were:

BOYS

1A-1B 2A-2B 3A-3B 4A-4B

GIRLS

1A-1B 2A 3A

To win in badminton, players need to employ a wide variety of strokes in the right situations. These range from powerful jumping smashes to delicate tumbling net returns. Often rallies finish with a smash, but setting up the smash requires subtler strokes. Deception is also important. Players prepare for many different strokes that look identical and use slicing to deceive their opponents.

The group stage matches were played between 17th-22nd September followed by semi-finals on 23rd and finals on 24th.

In a thrilling badminton tournament among the top players, 3A VS 1A and 2A VS 4A (boys) played in the semi-finals. The finals were played between 2A-3A from boys and 1A-3A from girls. The competition was really tough. In the end, 3A (Girls) won the match with Hritika Panchratan leading the team and 3A (Boys) won the match with Vikramaditya Srivasatava leading the team. The runner ups were 1A (girls) with Vani Jain leading the team and 2A (boys) with Shivang Pandey leading the team.

The Inter Year Badminton Tournament was conducted by Vikramaditya Srivastav (Jsec- Badminton), Bhagat Sir and Swapnil Sir.

-Aastha Singh & Karnika Mishra

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