

Experiments with Google

URL: experiments.withgoogle.com

A showcase of ideas and tools that help people find a better balance with technology. A collection of experiments that started by working with one person to make something impactful for them and their community. The featured collections on the website are Digital Wellbeing Experiments, AI Experiments, Art and Culture Experiments, Start with One, AR Experiments, Chrome Experiments; All these are open source collections. That means you can provide your twist and create a whole new thing out of it.



How do you use Google experiments?

Click the "Create Experiment" button, enter the URL of the page you want to test, and select the type of experiment you want to run. Here, you'll have the option to run either an A/B test, a multivariate test, or a redirect test. The first option is an A/B test, which involves changing one element on each page.

Impacts of Social Media on Youngsters



Social media is important for Individual, group, and Society. Now a day's social media has been the important part of one's life from shopping to electronic mails, education and business tool. Social media plays a vital role in transforming people's life style. Social media includes social networking sites and blogs where people can easily connect with each other. Since the emergence of these social networking sites like Twitter and Facebook as key tools for news, journalists and their organizations have performed a high-wire act. These sites have become a day to day routine for the people. Social media has been mainly defined to refer to "the many relatively inexpensive and widely accessible electronic tools that facilitate anyone to publish and access information, collaborate on a common effort, or build relationship. Almost it is essential components for everyone.

Impact of Social Media on Youngsters

Nowadays social media has become a new set of cool tools for involving young peoples. Many young people's day to day life are woven by the social media Youngsters are in conversation and communication with their friends and groups by using different media and devices every day. In past years it was seen that youngsters are in touch with only friends and their groups in schools and colleges. But nowadays youngsters are in contact not only with known friends but also with unknown people through social networking sites, instant messaging etc. According to BBC news research they discuss that 67% Facebook users are very common and well-known social media portal consist of the youth and students, so these praise the fact that the youth and student have more focus and relation.

Throughout the country teenagers frequently use the web, mobile phones, online games to communicate and gather information with each other. As per the survey in California the below table shows that how social media impacts the behavioral health of California's adults.

Positive Effects of Social Media on Youngsters

Social media helps youngsters to stay connected with each other. Useful information can be exchanged over social networking sites. Social networking sites can allow teens to find support online that they may lack in traditional relationships, especially for teens. In a Critical Development period youngster also go for social networking sites for advice and information. Youngsters can look to social media for getting the answers related to their career objectives. Sometimes it acts as rescue for youngster.

Negative Effects of Social Media on Youngsters

Today it's not clear that who the "strangers" are especially in the field of social media. Kidnapping, murder, robbery can be easily done by sharing details on social media. There are many cases registered in police station where adults target young children and lure them into meeting them. Mostly youngsters waste lots of time on social sites like chatting which also effects their health. Some useless blogs influence youth extremely that they become violent and overall it has positive and negative impacts on youngsters. It is much important, how to use it.

Dr. Ramesh Kumar
(CSE Department)

VISION OF THE DEPARTMENT- To provide cutting edge learning environment and nurture talent to produce world-class computer professionals with ethical values who could excel in industry and research.

MISSION OF THE DEPARTMENT- Promote peace, prosperity and growth in society by producing competent computer professionals with strong ethics, leadership qualities and entrepreneurial skills. Inculcate professional behavior, research of international quality and continuous learning skills in students through quality teaching-learning process. Support the professional development of all faculty members in the areas of teaching and research. Infrastructure upgradation in sync with emerging technologies.

PROGRAMME EDUCATIONAL OBJECTIVES (PEOs)- Engineering Ethos, Domain Prospects, Diversification, Learning Environment

PROGRAMME SPECIFIC OUTCOMES (PSOs)- Visualization, System Development and Design, Societal Impact, Presentation and Entrepreneurial Skills



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SNAPSHOTS NEWSLETTER



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**For contributing matter to this newsletter, mail your articles / submissions to snapshotcse@gmail.com or contact / WhatsApp the student editors on +91-7389594634.

You can help in making this newsletter even better!!!

Dear Snapshots Readers,

Accept Refreshing New Year Greetings from the Editorial Team!

The blessed year 2020 has brought mixed bag of exciting challenges and many more opportunities for students and faculty fraternity of the department, extending our imagination to dream of increasing counts of colorful event snapshots on our showcases and display boards.

We are honored to have Dr Manisha Sharma who has recently taken over the headship of the department in mid of November 2019. She has been a relentless driving force of our esteemed institution for more than two decades and has geared every responsibility, activity, portfolio and event with passion and zest. We welcome her able guardianship and promise our whole-hearted commitment towards the growth of department as ever. The spring academic session also welcomes two new faculty members to the department: Dr Sunita Soni, (Professor) and Mr. Sunil Naik (Assistant Professor) to the department.

Wish you all joyful reading!!

News in Brief & Achievements

- Three students from the department got placed in SAP Labs.
- Avani, student of B.E. 4th semester, won the South Asia Regional Award in International Astronomy and Astrophysics Competition.
- A journal on "Suspicious URL Detection with Machine Learning" was published by International Journal for Research Trends and Innovation (IJRTI) by the professors Sanjana Tiwari, Ashok Kumar Behera and Monika Verma of the department.
- A book chapter entitled "Modern Optimization Methods for Science, Engineering and Technology" (Chapter 13) was published by IOP Publishing, Bristol, UK. by prof. Dr. Arpana Rawal.
- Research paper on "Weighted Bayesian Association Rule Mining Algorithm to construct Bayesian Belief Network" and "Fuzzy weighted Bayesian association rule mining: a theoretical framework" by Prof. Shweta Kharya & Dr. Sunita Soni.

KNOW YOUR FACULTY

"Don't work hard, work smart!"



Dr. Sunita Soni

Date of Joining:
12 Aug 1999

Qualification:
Master of Computer Applications, Ph.D.

Current Academic load:
BE, 6th semester

Teaching Experience:
20 Years as Head of MCA Department

"Glory to pinnacle, aspire to excel!"



Mr. Sunil Kumar Naik

Date of Joining:
Dec 2019

Qualification:
Master of Computer Applications, M. Tech (Computer Science)

Current Academic load:
BE, 4th semester

Teaching Experience:
B.E. (6 Years),
MCA (10 Years)

Why 2019 was like no other year for Indian tech startups?



The 2019 may very well go down as a memorable year for Indian tech startups. According to a report by Tech Crunch, Indian tech startups raised close to \$14.5 billion in funding, beating previous year's \$10.5 billion figure. The report cites a research done by Tracing and venture debt firm InnoVen Capital.

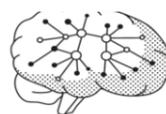
A total of 128 startups in India were acquired whereas four got publicly listed as per Tracxn. Not just that Indian startup also attached a lot of international investors in 2019.

2019 was also the year when Facebook made its first big investment in the country when it invested in social commerce firm Meesho. Another social media giant that invested in an Indian startup was Twitter when it led a \$100 million financing round in an app called Share Chat.

Abhay Choudhary
(4th Sem 'C')

Practicing Mental Clarity - A step towards better decision making.

1. To avoid poor choices, don't make decisions after lunch. It may be best to make decisions in the morning while your brain is at its peak.
2. If it's not a hell yes, then it's a no. Give yourself time to reflect on your decision.
3. For big life decisions, make a pros and cons list. Estimate their respective weights based on their importance. Those on each side that have equivalent weight will be crossed out. The heaviest side wins.



4. To avoid catastrophic choices, take 20 minutes to calm down. Recover from the fight or flight response before making a decision.

5. For decisions that aren't urgent, sleep on them (and sleep well).
6. For better decision making in general, get to know your psychological biases.
7. Nothing in life is worth rushing for.

Awareness is a great place to start, even if you don't know how to apply it yet.

Yash Pamnani
(6th Sem 'B')



PigeonBot

A robot that resembles a pigeon and can make tight turns like real birds may point to the future of aerospace engineering – a continuously morphing wing.

An individual wing is made up of multiple feathers. These feathers are always interacting with each other, allowing the bird's wings to morph continuously mid-flight.



To learn more, David Lentink at Stanford University in California and his colleagues first looked at the wing of a pigeon cadaver. Each wing had 40 feathers, 20 on the upper side, and 20 on the lower.

They found that the wrist angle determined the angles of all the flight feathers at any one time, meaning that the birds can change the shape of their wings without having to control each individual feather. This reduces the number of variables – or degrees of freedom – required to model the wings.

Its average speed is about 40 kilometers per hour, which is a bit slower than the average pigeon.

Lentink and his colleagues also found that this type of flight was possible only because of certain molecules embedded throughout the feathers. These molecules, which are just 10 micrometers across, allow feathers to move away from each other while ensuring they don't get too far apart. This in turn reduces the level of individual feather control required for accurate flight.

PigeonBot also uses real pigeon feathers, because no synthetic material has this property. "Feathers also have these unique properties, they have a lightness, a firmness to carry the aerodynamic load, and they're easy to repair," says Lentink.

Nayan Sori
(4th Sem 'A')



Walrus Operator

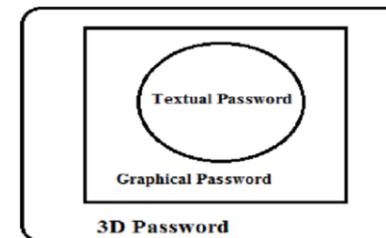


The purpose of the walrus operator is to consolidate an assignment statement and a Boolean expression when both assignment and expression would utilize a similar statement.

3D Password

Usually the authentication scheme the user undergoes is particularly very lenient or very strict. With all the means of technology developing, it has become very easy for others to fabricate or to steal identity or to hack someone's password.

Users nowadays are provided with major password stereotypes such as textual passwords, biometric scanning, tokens or cards (such as an ATM) etc. Mostly textual passwords follow an encryption algorithm. Biometric scanning is your "natural" signature and Cards or Tokens prove your validity.



The idea of 3D passwords, are more customizable and very interesting way of authentication. Now the passwords are based on the fact of human memory. Once implemented and you log in to a secure site, the 3D password GUI opens up.

This is an additional textual password which the user can simply put. Once he goes through the first authentication, a 3D virtual room will open on the screen for e.g. a garage. Now in a day to day garage one will find all sorts of tools, equipment's, etc. each of them having unique properties.



Each object in the 3D space, can be moved around in an (x, y, z) plane. Only the true user understands and recognizes the object which he has to choose among many.

This is the Recall and Recognition part of human memory coming into play. There can be levels of authentication a user can undergo which can be implemented so as to enhance security.

Deomani Singh
(4th Sem 'B')

Life-Changing Books

THE ALCHEMIST by Paulo Coelho
Recommend this book to everyone who has dreams of living an adventure. Because life is an adventure. It's the possibility of having a dream come true that makes life interesting.

RICH DAD, POOR DAD by Robert Kiyosaki
Never understood how wealth worked. This book completely changed the way we think about money and creating wealth.

HOW TO WIN FRIENDS AND INFLUENCE PEOPLE by Dale Carnegie
Whether you like people or not you have to learn how to become more influential to live a better life and build a meaningful business.

SAPIENS by Yuval Noah Harari
This book about humankind completely changed the way we understand life and all the stories that keep it together.

THE MIRACLE MORNING by Hal Elrod
Without an effective morning routine, we are betting on your life instead of taking control of it and focusing on things that matter.

START WITH WHY by Simon Sinek
If you have a reason, you'll find a way. If the reason is not something you believe in, you will find an excuse. A great book to help you design a purpose-driven life and business.

ON WRITING WELL by William Zinsser
No matter what you do in life you have to communicate with people. Being able to express yourself clearly and communicate effectively will reward you more than any other skill.

EXPERT SECRETS by Russell Brunson
You know something that other people want to learn. This book shows how to build a business out of your expertise.

Abhishek Agrawal
(4th Sem 'C')

Google's first tweet on Twitter was a message encoded in binary

I'm 01100110 01100101 01100101
01101100 01101001 01101110
01100111 00100000 01101100
01110101 01100011 01101011
01111001 00001010

Means: I'm Feeling Lucky



WA Graduate attributes profile

Graduates attributes form a set of individually assessable outcomes that are the components indicative of the graduate's potential to acquire competence to practice at the appropriate level.

The graduate attributes are exemplars of the attributes expected of graduate from an accredited program. The graduate attributes are intended to assist signatories and provisional members to develop outcome-based accreditation criteria for use by their respective jurisdictions. Also, the graduate attributes guide bodies developing their accreditation systems with a view to seeking signatory status.

The WA (Washington Accord) graduate profile is as following:

1. Engineering Knowledge
2. Problem Analysis
3. Design/ Development of Solutions
4. Conduct investigations of complex problems
5. Modern Tool Usage
6. The Engineer and Society
7. Environment and Sustainability:
8. Ethics
9. Individual and Team Work
10. Communication
11. Project Management and Finance manage projects and in multidisciplinary environments.
12. Life-long Learning

VISIT:
<https://www.nbaind.org/Files/engineering-programs.pdf>

