



VIGNANA BHARATHI
Institute of Technology™

An UGC Autonomous Institution (Approved by AICTE, Affiliated by JNTUH, Accredited by NBA & NAAC)

REPUBLIC DAY EDITION

VOLUME 14 | ISSUE 02



StuTalk | VBIT



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EDITOR'S LETTER

"The question is not how to survive, but how to thrive with passion, compassion, humor, and style." -Maya Angelou

Congratulations! For, you have braced through one of the most uncertain years, to be a part of this new year and embrace the boundless amazements this world holds. When faced with trials, you braved those without succumbing to fear.

Powering through multiple challenges, our family at the institution has grown with the addition of the newest freshmen class. While this may seem a little overdue, it gives me immense pleasure in welcoming you all into our fraternity. You have now commenced the deterministic chapter of your life at an institution that will certainly shape you to be the best version of yourself. As your senior, I can merely suggest you face every obstacle head-on with an open mind. You are laying the foundation stone for your personal and career development. In the midst of an anomaly, finding a routine has been tough. Yet, with all the digital classes and webinars being held, the personal touch has been preserved. The passion to be better is starkly evident in the enthusiasm exhibited in learning. The compassion shown to others has multiplied with every passing day spent with a screen parting each other.. And amongst all the serious revelations, the light-hearted banter, even if virtual, has become a regular source of humor and positivity.

Throughout 2020, you have managed to do more than just survive. You have thrived. You made the best out of adverse times to sketch yourself into a better individual. So go ahead and give yourself a pat on the back, you deserve it.

Finally, on behalf of Team StuTalk, it is my privilege to wish you all a very Happy Republic Day!

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ORIENTATION DAY

VBIT organized a three-day induction programme for the newly admitted students of the B.Tech program for the academic year 2020-21 on 3rd December 2020. Students and their parents were formally welcomed to the Institution. The objective was to lay the foundation for the students to help them adapt to the new environment and get them acquainted with the Institution's culture. The event was addressed by our honorable Chief Guest, Krishna Sastry Pendyala, the dignitaries, and the Heads of all the departments. The induction programme comprised of many interesting sessions. The topics of the talks ranged from spirituality and motivation to skill development and its importance in this time and age. The students enjoyed these discussions and seemed to have acquired their own learnings from them. The college had also taken an initiative to conduct yoga sessions where students were actively encouraged to take part and hence, start their day off with a sense of tranquility. The whole programme was a successful attempt to ensure a smooth transition for the students into the undergraduate system.



Orientation Day
2 - Afterr

FORUMS



StuTalk is a fraternity with a passion for literature and journalism. It undertakes the production of the official campus magazine of VBIT. The Broadcast Journalism wing under StuTalk involves the student body in videos that are uploaded regularly on their official YouTube channel. Saadhyा, their flagship event holds competitions like Mock Parliament and Documentary film contest to invoke a sense of diplomacy and creativity, respectively.



coding.Studio(); is the programming club of VBIT, whose motto is to impart coding culture in the college. They build and maintain opensource GitHub projects and conduct workshops on different programming technologies. The major events hosted by them are codeCraft which provides an experience of Competitive Programming and CS Sem Of Code which aims at promulgating knowledge to all the technophiles.



Design Arena is a student chapter where Innovation, Design, and Development converge. It was established with a purpose to bring all the designers in VBIT under one clique. The chapter works on the principle of peer to peer learning. Following every learning session, various competitions and brainstorming sessions are held to hone their skills.



Chitrika, termed as the 'Lens of VBIT', is the official photography forum of the institute. They seek to foster the interest of the students who are passionate about Photography. They have been the official photography partner for numerous events held on the campus by various forums.



Aashay Film Club was established with an ambition to provide a platform for the gifted students who are interested in any of the 24 frames of film making. The forum organizes an annual Short Film Competition with external jury members like Mr. Raj Kandukuri. Apart from that, they conduct a Documentary Film Competition in collaboration with StuTalk.

FORUMS



Institute of Electrical & Electronics Engineers, is a global non-profit organization that believes in knowledge sharing. IEEE VBIT- SB emphasizes on conducting various activities that develop the technical cognition of a student by providing the young engineers a platform to exchange views and expand their network. The major events conducted by the forum are Avishkar, which is a technical paper presentation/blog competition, and Inceptra Project Expo, which aims at inculcating project building skills.



The Eco Club is a green initiative to create awareness about good environmental practices. They strive to conserve our mother earth and create sensitivity towards nature along with awakening the philanthropic side of mankind. This forum conducts eco - friendly events like Nirvighna and techenvironmental events like Prakruthika.



Ganith, the mathematics club was formed with an objective to endow students with an environment where they can develop their skills and knowledge to become competent in the field of mathematics. It hosts events like Chaturrasra and Evolute along with various guest lectures.



Institute of Electronics and Telecommunication Engineers (IETE) is a forum devoted to the advancement of science, electronics, telecommunication, and information technology. It was established to enroot public speaking skills and to strengthen technical dexterity. They conduct events such as Sowparnika and Technotsav, to instill technical skills in students.



...think beyond academics

Institute of Student Engineering students is an organization initiated to promote the idea of professionalism in the student body. The vision of ISE is to make every individual realize their potential to build various abilities like Entrepreneurial skills, Soft skills, and communication skills. They organize events like My Belief, Vaktruka, and Perspective.

FORUMS



The vision of the Robotics Club is to explore, develop, and innovate by sharing knowledge. The club plays an active role in conducting workshops to give the students practical experience. They organize workshops on Augmented Reality & Virtual Reality along with hosting Robo Lab sessions. Their flagship event is Yantra Yojana, which enables students to have hands-on experience in current technology.



Dyuthi is the NSS Unit of VBIT. It is an organization of service-oriented students who intend to work for the betterment of society and promote the notion of social welfare. It also performs activities like book distribution programs in schools. They conduct campaigns where the students donate blood for a good cause.



Society of Automotive Engineers – VBIT, is a collegiate subsection of SAE India SS. They believe in the skill development of engineering students and facilitate them to publish research papers on mobility engineering. This forum organizes industrial visits, seminars, projects on the automotive industry, and evolving mobility technology.

stu~~m~~agz

StuMagz - VBIT is a student branch of the external student community, StuMagz Hyderabad. This forum aims to provide the students with a platform that will enable them to collaborate with like-minded peers and showcase their talents, as well as gain internship opportunities. Their flagship event, 'Talento Venari', gives the students an opportunity to exhibit various hues of talents.



Street Cause - VBIT is one of the largest student-run NGOs in Hyderabad working towards the amelioration of humanity. They host events like Congregate which provides a platform to bring about change in the society, and fund-raisers like Fusion D3 and Run For a Cause. This club is thereby, the best platform to serve, learn, explore, and be a part of something bigger than ourselves.

COLLEGE ACHIEVEMENTS

Bestowed with an award by Dr. Tamilsai Soundarajan, Honorable Governor of Telangana state for carrying out impeccable social activities in association with Samskruthi foundation.



Received a grant from All India Council for Technical Education to undertake a training program on Emerging Technologies in Transportation Engineering for Sustainable Development in the Department of Civil Engineering.



Laureated with the best performing academy award by CISCO for the year 2018-19 during the annual conference of CISCO.

codingStudio(); is now the official Campus Chapter of CodeChef, a non-profit educational initiative that fosters competitive programming.

The RFC project by Street Cause VBIT has been recognised and appreciated by the Sarpanch and the Mandal Parishad President of Dasturabad (V&M) Nirmal district.

codingStudio(); is now the official Google Developers Student Club of VBIT.



is now a part of



Developer Student Clubs



STUDENT ACHIEVEMENTS

P. Swathi, IIIrd year student of CE carved her niche overseas by winning a silver medal at the 7th International Yoga Championship held at Bali, Indonesia.

P. Abhishek, IVth year ECE student won hearts with his Mridangam beats by securing the second prize at the All India Radio Competition held at Chennai.

B. Devanand, IIIrd year ECE student bagged the second prize in State Level Story Writing Competition, Connect-Chancellor held during COVID - 19 lockdown.

IIInd year ECE student, Kaushik Apoori was awarded the "Publishsutra Inspire Award" in recognition of having met the highest standards of excellence in the I-Innovate online hackathon.



JNTUH INTERCOLLEGIATE D – ZONE SPORTS TOURNAMENT

JNTU Hyderabad Intercollegiate D-Zone Sports Tournament was hosted on 18th and 19th February 2020. Various colleges competed with zeal and vigor. The students exhibited great sportsmanship and put their best efforts into the game.



There were several categories of sports matches held under Basketball, Throw ball, Volleyball among many others. Day 1 comprised of the preliminary matches while qualifiers and final rounds were held on Day 2. VBIT's Women's Volleyball team bagged the second position bringing honor to the institution.

SPORTS ACHIEVEMENTS

The students of VBIT emerged triumphant in sports by winning the JNTUH Intercollegiate Central Zone Ball Badminton Tournament, held at St. Peters Engineering College, Dundigal, Gandimysamma.

VBIT's Football team made the Institute proud by securing the second position in the Football Tournament conducted at Kommuri Pratap Reddy Institute of Technology, Ghatkesar.

Mr. Indrakanth, Mr. Jaswanth, and Mr. Jashwa brought laurels to the college with their selection for the JNTUH All India Inter University Ball Badminton Tournament, to be held at Mysore University.



Department FDP'S and Workshops



08-02-2020

The Department of MBA arranged a panel discussion on "Careers in Corporate World" in association with the Indian Society for Training And Development on 8th February 2020. This event was graced by the eminent Chief Guest, Dr.K.Srinivasa Rao (ISTD) along with Ms. Jyothy Heda (Factset), Mr.Ajase Hussain (TITA), and Mr.Madhukar Kaitha (HCPL).



27-02-2020 to 28-02-2020

The workshop on "Home Automation and Humanoid Robot" was organized by the Department of Electronics and Electrical Engineering on 27th and 28th February 2020. This was led by Mr. Mitesh Gohil, the resource person, who elucidated the concepts of Robotics Engineering.



27-02-2020 to 29-02-2020

The Design Arena forum of the Mechanical Engineering Department curated a workshop on "Automotive Dynamics and AC Engine Overhauling" with Elite Techno Groups from 27th to 29th February 2020. The students received insights about various notions from the industry expert Mr. Sunder Iyer, who explained important topics to the students.



28-02-2020

In association with Intel, the Institute held a Faculty Development Program on "Blockchain and Confidential Computing" on 28th February 2020. Mr. Srikanth Sinha, CEO of TASK, Mr. Ramkrishna Senior Software Engineer, and Mr. Rajeev, Building Engineer at Intel attended the event and imparted their knowledge on the current trends to the faculty.



05-03-2020 to 07-03-2020

The "Machine Learning using Python" workshop was hosted by the Department of Electronics and Communications Engineering from 5th to 7th March 2020. The Guest lecturers, Dr. G. Mallikarjuna Rao - DRDO, and Dr. J. Ravi Kumar - Associate Professor, ECE, NITW taught the students various concepts along with guiding them on real-time projects.



12-03-2020

On 12th March 2020, the Department of Civil Engineering assembled a workshop on Staad Pro Software. This was conducted by Mr. Sai Charan, the resource person for the same. It focused on highlighting the several aspects of structural engineering while shedding light on important topics related to it.

Avishkar 2020



Avishkar is a unique technical Paper Presentation competition held exclusively for the freshmen annually, by IEEE - VBIT SB on 25th and 26th January.

It has always been a grandstand that stood the test of time and has invariably promoted the students to discover and augment their skills.

This event aids the students to traverse into the comprehensive world of technological amelioration beyond the curriculum by attaining knowledge and confidence with communal proficiencies.

Students could participate individually or as a team of two for the PowerPoint Presentation category and present their idea of innovations to the professional standards.



#IWD2020



Women in Engineering Affinity Group under IEEE - VBIT SB was triumphant in conducting #IWD2020, to escalate the significance of International Women's Day. This event which was held on 6th and 7th March 2020, encouraged the students to ruminate in an efficacious way for a better tomorrow by amplifying the need for women's safety and gender equality through the varied contest. On this remarkable occasion, the audience was enraptured to admire the female professors for their unparalleled contribution to the college.



Code Hustle

In view of the current trend in programming, the Computer Society Chapter, under IEEE - VBIT SB took up the initiative to conduct a first of its kind Code

Hustle on 28th February 2020. With an aim to help contestants comprehend and master the art of code optimization, this event relied mainly on a student's understanding of algorithms, their problem-solving skills, and their confidence while coming up with optimal solutions, which was put to test via the unique concept of bidding on their code.

Participants learned to take risks while bidding for their code and ultimately realizing the value of resources, be that computation time or space which is one of the key factors that distinguish an efficient coder from the rest.

**26
JUN**

A webinar was organized on "Digital transformation in the data-intensive world the way forward!". The event was addressed by Mr. Naveen Samala, Project Manager, AMD, Inc - Dept. of CSE & IT.

**04
JUL**

An online workshop on "Handling, Management, and Recycling of Bio-Medical Waste" was headed by Mr. Atun Roy Choudhury, Scientific Officer, Ramky Enviro Engineers Limited. - Dept. of CE.

**17
JUL**

A workshop on "Web Development" was delivered by Mr. B. Avinash, Team Lead, Synxa IT Pvt. Ltd and Mr. S. Sreyas, Synxa IT Pvt. Ltd - Dept. of CSE & IT.

EVENTS

A 6-day STTP session that focused on various topics lectured by eminent speakers from the industry - Dept. of CE.

**17
AUG**

**27
AUG**

An International Webinar on "Artificial Intelligence in BioTechnology", was curated by Dr. Steve Ling, Senior lecturer, Core member of CHT, UST Sydney, Australia. -Dept. of ECE.

**29
AUG**

A workshop on Electrical Circuit Simulation using the application - (ECStudio), presented by Dr. S. Rajasekaran, Professor, and Mr. V.- Jeethender, Asst. Professor, VBIT. -Dept. of EEE.

**18
SEPT**

ASHTAVADHANA, a career development workshop was successfully conducted for eight days with various career and skill development activities. - Dept. of MBA.

**19
SEPT**

An Awareness Programme on GATE Entrance – “Changes, Challenges & Opportunities through GATE” was headed by Mr. Sandeep Bhandari, DGM GATE Faculty Head, and Mr. Sai Prasad, DGM GATE Marketing Head, T.I.M.E Institute. -Dept. of EEE.

**27
SEPT**

An online session was organized on Blockchain and Bitcoin Fundamentals, lectured by various speakers from Skill to Hire company. - Dept. of IT & CSE.

GALORE GALORE GALORE

An interactive session on Career Opportunities hosted in Industry 4.0 was delivered by Mr. Pradeep Annadanam and Dr. K. Kishore. - Dept. of ME.

**03
OCT****17
OCT**

A web seminar on “Transformers Real-Time Scenario in Power stations” was presented by Mr. K. Suresh Babu, Deputy Executive Engineer, APTransco, Nellore, AP. -Dept. of EEE.

An announcement on the release of Proceedings of Second National Conference on Emerging Engineering & Technology NCEET - 2020 was made by Dr. N. Goutham Rao, Chairman -VBIT, and Dr. G. Manohar Reddy, Secretary -VBIT. -Dept. of EEE.

**03
DEC**

DIGITAL AGRICULTURE CUM SMART INDIA HACKATHON



Digital Agriculture Hackathon 2020

The Institute hosted the Digital Agriculture & Smart India Hackathon under J – Hub in the college premises on 6th and 7th February 2020. Day 1 consisted of a Bootcamp session for all the participants which involved a brainstorming session where the students formed a team of five members each and worked intensively. This was followed by Idea validation in which their ideas were evaluated by the judges. Mr. Ganesh Rayala, Senior Manager-Marketing Communications, T-Hub Hyderabad graced the event and was a part of the judging panel on Day 2. Post hackathon, the final round of judgment was arbitrated. The top 3 teams were awarded prizes. Overall, the students acquired knowledge and inculcated critical thinking skills.



Digital Agriculture Hackathon 2020, Day-2



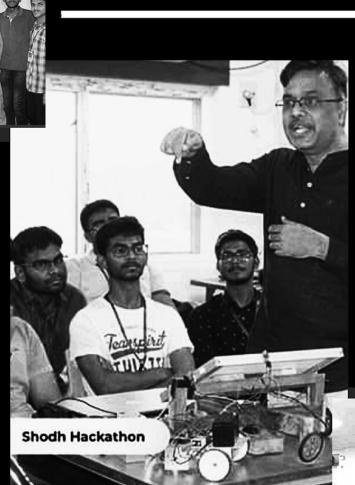
Digital Agriculture Hackathon 2020, Day-1



Digital Agriculture Hackathon 2020, Day-2

The Innovation Cell of the Institute, Shodh, organized a Hackathon exclusively for the first-year students of VBIT. The Bootcamp session along with the Idea Validation was held on 8th March 2020 wherein the students were divided into teams. The Hackathon was held on 10th March 2020 from 11 AM to 5 PM where students worked zealously on building their prototypes and working models. After a thorough assessment, the best prototypes were given accolades. Dr. Jayant Kulkarni, Director, IQAC addressed the students on the trending technologies. The students gained and learned a lot from the event and it helped in expanding their skillset.

SHODH HACKATHON



Shodh Hackathon



TALENTO VENARI



The yearly event of StuMagz recognizes the exceptional talents students possess in the cultural field. Talento Venari, an inter-college event was conducted on the 31st of January 2020. The event had various segments where those with a finesse for arts could express themselves. It served as a platform in aiding many students to overcome stage fright and embrace their artistry. Beyond singing, dancing, and an open mic stage, the long-forgotten craft of storytelling was also included. The audience was enthralled by the prodigious amount of talent portrayed by their fellow mates.



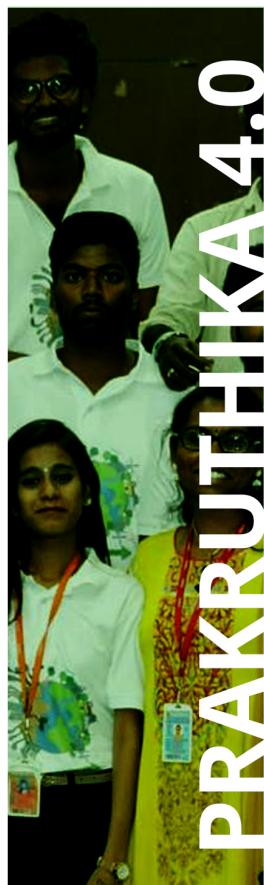
This fundraiser is the flagship event of Street Cause - VBIT. The youth assembly was held on 2nd March 2020, with the motto "Shape your ideas into reality". It provided an opportunity for all the young Delegates who envisaged to create a social change by holding onto their idealism and hoping for an impactful betterment in society to voice their opinions. The assembly primarily aimed towards the goals of Sustainable Development to achieve the transition of thoughts into reality. The flamboyant young representatives gathered to speak and discuss their viewpoints on the problems and bring forth the necessary socio-economic changes.

CONGREGATE 3.0





The proto literary festival of VBIT curated by the students emerged to be an absolute triumph on the literature grounds. It was held on 17th and 18th February 2020, open to the entire city of Hyderabad. It comprised of reflective talk sessions with leading national authors, movie-buff jams, and numerous competitions on creative grounds. This event witnessed the presence of two best selling authors, Savi Sharma and Durjoy Datta who engaged with the participants and signed the books of their admirers. The festival also commemorated the legendary Harry Potter series with a themed-party of 'Potter Night'. The whole fest was captured by Chitrika, the official photography partner. All in all, the fiesta beheld a massive turn up with bustling engagement of literature fanatics.



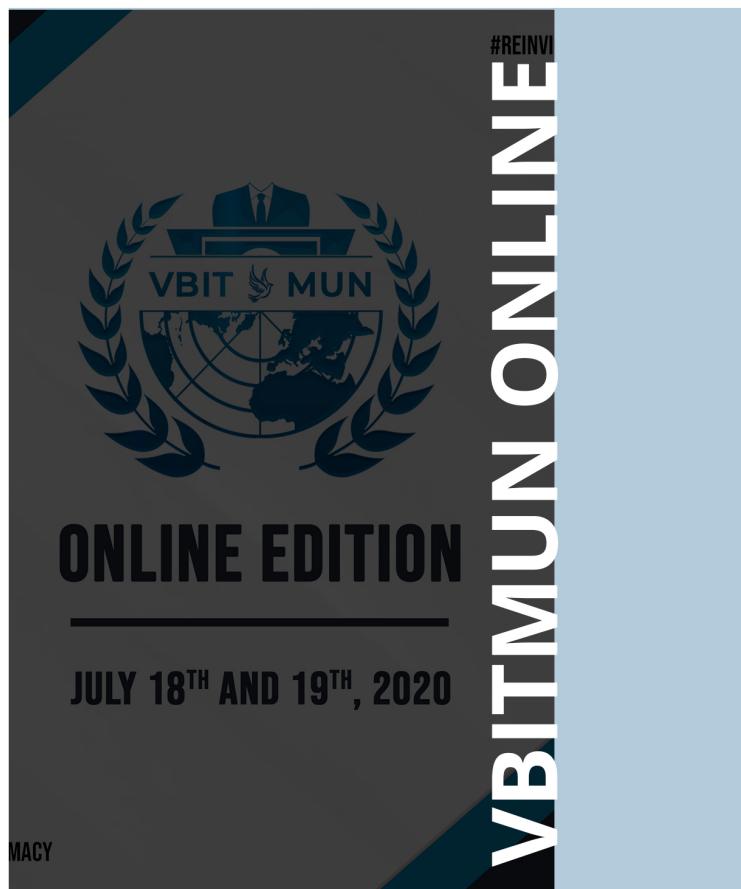
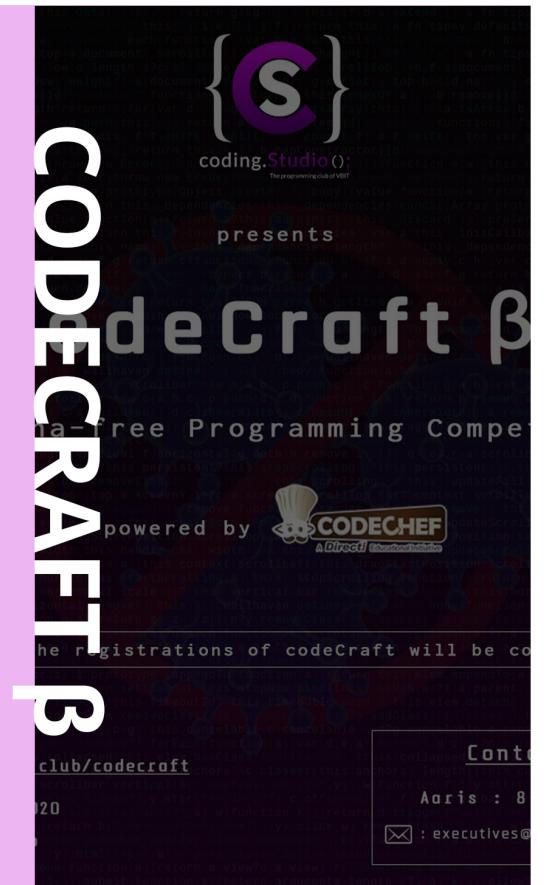
The annual event of Eco-Club intends to raise consciousness about the environment and its issues among students and faculty. This techenvironmental event hosted on the 4th of March 2020, witnessed the presence of Ms. Medha Naniwadekar and Mr. Divyanjani Ganesh as chief guests who prompted the participants with their presentations on the problems faced in today's world. Competitions like Best out of Waste, Arts, and Hand-painting recognized the contestants' enthusiasm and high regard for Mother Nature as it revolved around the theme of using biodegradable methods for a green and healthy world.





coding.Studio();
The programming club of VBIT

codeCraft β was the college's first-ever wholly online event, announced, promoted, marketed, and conducted online by coding.Studio(). The participants received a document containing everything they needed to know to get started with Competitive Programming, and trained online with the help of problems from CodeChef. This was followed by an eight-hour contest on 21st March 2020. The results were displayed on a leaderboard. Overall, the contestants comprehended the spirit of competitive programming, ultimately making it a productive event for all.



VBITMUN organized its very first online MUN on the 18th and 19th of July. The two-day online conference on zoom witnessed the presence of 150 delegates from various states along with 18 international delegates from Indonesia, Mexico, and the USA. The delegates were segregated into three committees, DISEC, WHO, and Lok Sabha led by the estimable members of the Executive Board. An impressive inauguration accompanied by heated debates, unwavering discussions, flawless resolutions, and a memorable closing ceremony rendered the conference a huge success.

PODCASTS



WAVEFORM

All the gadget lovers and tech-heads, this is a podcast you cannot miss out on. Hosted by Marques Brownlee, popularly known as MKBHD on YouTube along with Andrew Manganelli, will certainly pique your interest as it involves major tech talks.

Further, the prominent YouTuber also shares tips and tricks that go into running a major tech channel on this podcast.

THE JOE ROGAN EXPERIENCE

This is a podcast that seems to have no boundaries when it comes to content. It covers a wide spectrum ranging from celebrities and entertainers to everything about the existence of aliens. His shows feature eminent personalities which include Elon Musk, Edward Snowden, and Wiz Khalifa among others



10 THINGS THAT SCARE ME

One person talks about their biggest fear, in this podcast. Alone in a room. With this as the central theme, the podcast features a diverse line-up of speakers, allowing you to peek into a window of vulnerability needed to understand a person. Ultimately it turns into a journey to remind that one isn't alone, and beyond the edge, there exists someone who feels the same.

WORD OF THE DAY

A very informative podcast which several members of our team follow, regularly. As the name suggests, this podcast introduces a new word every day and thus helping in improving one's vocabulary. In two minutes, the origin, the usage, and the meaning are described in an entertaining fashion.



HOW



Increase the performance of your website

1. Reduce HTTP Request

Consolidate your files, delete unnecessary images, create a CSS image sprite or convert the images to Base64 code.

2. Image Optimization

It is an important aspect, reducing the size of the image can increase the page speed by 80 percent.

3. Use CDN

It allows the quick transfer of HTML pages, style sheets, images, videos, and JavaScript files.

4. Merge Files

Merge CSS and JavaScript files. One HTTP connection downloading the file is usually faster than multiple HTTP connections downloading files.

5. Enable Application Caching

After activating caching, users can navigate a site even when they are offline. Cached resources are local and therefore load faster.

- M. Uday Kumar,
IV CSE A

Capture better photos with your phone

1. Use gridlines to balance your shot.

It superimposes a series of lines on your Smartphone's screen that are based on the "rule of thirds".

2. Set your camera's focus.

To adjust your camera lens to focus, tap the screen where you want to sharpen the view.

3. Look for symmetry.

Pictures that contain symmetry can be incredibly pleasing to the eye. Remember to use those gridlines from tip #1 to line up everything perfectly.

4. Avoid zooming in.

Zooming can make the photo appear blurry or pixelated. Instead, take the photo from a default distance, and crop it later.

5. Don't be afraid to edit.

Editing is a critical element for better pictures. Filters can be a valuable photographic tool, particularly for two goals - removing blemishes from a picture & adding vibrance.

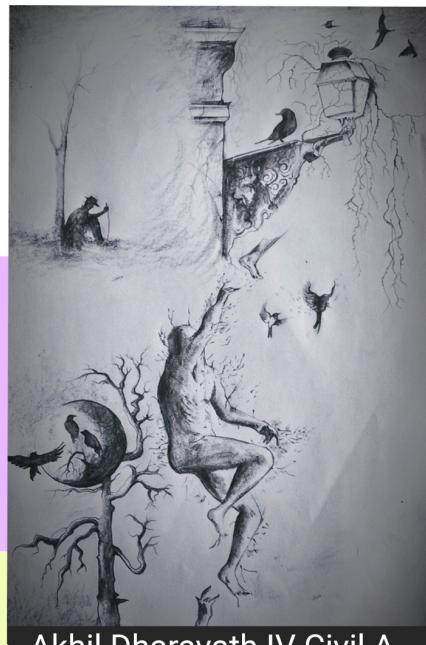
- B. Yogesh,
IV Civil A



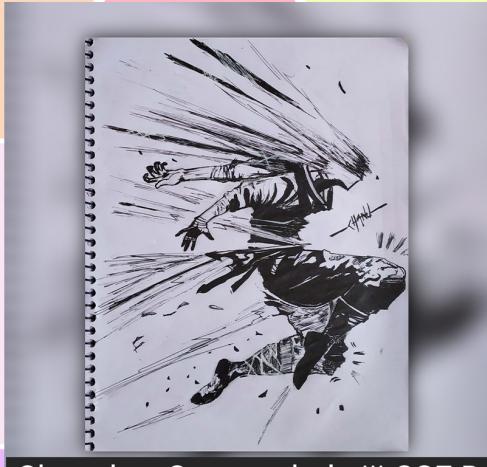
TO



Bharath Bijjam IV ECE A



Akhil Dharavath IV Civil A



Chanakya Sammudrala ||| CSE D



T. Prathushya IV CIVIL B



Vamshi Sangireddy || CSE D



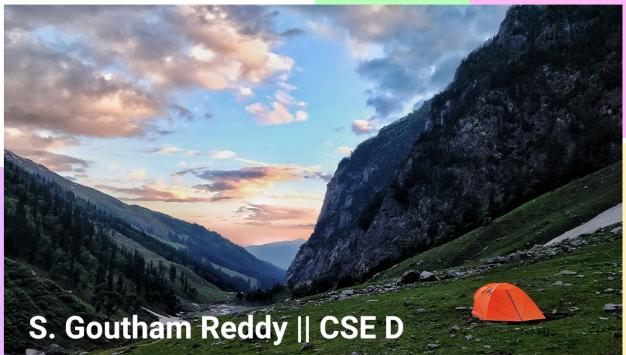
R. Chandrika IV CSE C

ARTWORKS

PHOTOGRAPHY CORNER



Teja kadiyala ||| MECH B



MARK YOUR CALENDAR

FEB

1st week
Avishkar 2K21 - IEEE

MAR

20th
Sowparnika IETE

APR

1st week
Odyssey Season 2

APR

24th
TEDx VBIT Season 3

MAR

2nd week
Entrepreneurship and
frugal innovation - ISE

MAR

4th week
codeCraft 3.0

APR

2nd week
Saadhyा - StuTalk

JUN

25, 26, 27
VBIT MUN

PLACEMENTS LOG

We are proud to extend our exuberant felicitations to the numerous students of the academic year 2020-21 for getting placed with TCS and Cognizant!



THE INSTITUTE SIGNED MOU AND ESTABLISHED FACILITIES FOR GLOBAL CERTIFICATIONS



THE INSTITUTE CENTER OF EXCELLENCE WITH INDUSTRY PARTNERS



INDUSTRY SPONSORED ACADEMICS



INCUBATION CENTER AND STARTUP ECOSYSTEM.





Bharath Bijjam, IV ECE A



StuTalk VBIT



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