



VASAVI COLLEGE OF ENGINEERING

Private Un-Aided Non-Minority Autonomous Institution
Accredited By NAAC with A++ Grade
Affiliated to Osmania University and Approved by AICTE



DEPARTMENT OF IT

IT TECH TIMES

Infinite Possibilities

2021-2022

VOL 4 ISSUE II



It is my pleasure in congratulating the editorial board on this pleasant occasion of releasing the newsletter for the period of January 2022-June 2022. It is great to find a considerable number of achievements in co-curricular and extracurricular activities which certainly prove that our staff and students are adequately equipped and possess necessary skill sets to bring such laurels to the institution, I wish that this number may grow in the years to come. I am sure that publishing a newsletter of this sort containing the achievement of the wards will be recognition to them and I wish them all the very best for the future endeavors.

Dr. S.V. Ramana
Principal, VCE



I am very glad to announce that our department is successfully releasing Volume I: Issue II of newsletter "IT Tech Times". The IT Department is actively involved in academic as well as research work in current areas of Information Technology and multi-disciplinary streams. Proper communication plays a vital role in the development of a department. This newsletter will serve to reinforce and allow increased awareness, include interaction and integration among all of us. It would be a snapshot of the various activities and achievements of department of IT, VCE.

Dr. Kovvur Ram Mohan Rao
HOD, IT

EDITORS NOTE

Greetings to all!

It gives us immense pleasure to present the Department Newsletter, Volume I-Issue II for the semester January 2022-June 2022. This issue explores the hidden talents, commitments, involvements and achievements of the Department Students and Staff Community towards their Extra and Co-Curricular activities to the world. It motivates, enlightens and enables the Student & Staff Community to focus on their goals and achieve more. Thank you for choosing and spending time with this newsletter. We hope this Newsletter encourages you to conquer more in your field.

Happy Reading

TECHNOLOGY IN DIFFERENT SECTORS

ARTICLES

GAJAWADA
RISHI

1602-21-737-042



**MEDICAL
SECTOR**

Today, doctors and nurses use handheld devices to record patients' real-time data and instantly update their medical history. This makes more accurate and more efficient diagnoses and treatments. Centralization of critical patient data and lab results has really improved the quality of healthcare

AI is one of the most exciting technologies changing the healthcare landscape in 2022. AI is proving to be very valuable when it comes to detecting diseases early and for confirming an accurate diagnosis quicker

Artificial Intelligence (AI) technologies are being used to listen in on patient-doctor conversations, recording everything in a complete file, saving a doctor's time in taking notes, enabling shorter visits and reducing the wait time in the otherwise serpentine queues outside the doctor's door.

**EDUCATIONAL
SECTOR**

Technology has changed over the years. The evolution of technology in the education sector dates back 2,500 years ago. Technology has transformed learning in classrooms, with teachers keen to emulate new learning techniques with the help of technology.

In ancient times, word of mouth was the only form of communication. British Broadcasting Corporation started transmitting education-based radio series for learning institutions in the '20s. In 1924, the BBC broadcast its first educational adult series dubbed as 'Insects in Relation to man.'

As a result of high-speed internet and digital technology, the cost of video broadcasting dropped at an alarming rate. This drop in prices for video production led to an increase in the use of video media in lecture rooms and classrooms.

The future of education looks bright. Nowadays, almost everyone is glued to the internet. The birth of social media platforms such as Twitter and Facebook has facilitated learning to some extent.

THE ENVIRONMENTAL BENEFITS OF GOING GREEN

ARTICLES

SUCHITH B

1602-21-737-058



**GREEN
COMPUTING**

Green computing is the design, manufacture, use and disposal of computers, chips, other technology components and peripherals in a way that limits the harmful impact on the environment, including reducing carbon emissions and the energy consumed by manufacturers, data centers and end users.

Fragmented data and varying needs make decision-making difficult across the spectrum of IT end users. For example, speed and performance have a different value in a large data center than they do for a user at home. At any given point in the lifecycle of a computing device, users must weigh various concerns. For a large organization, security may be a greater concern than environmental impact when it comes to servers. IBM is committed to green IT across the ecosystem of the business, including green design, operations and the use of its technology.

The decisions regarding going green begin long before products reach consumers. For example, product design and manufacturing are prime areas to lessen the impact of technology on the environment. Chips that are more energy efficient – such as the chip designed by IBM and Samsung that can be stacked vertically or the IBM 2nm chip – are examples of innovative design that improves sustainability in computing. The energy consumption of a single computer chip may seem negligible, but when you multiply that by millions, it is possible to make significant reductions. One example is a computer named AiMOS (which stands for Artificial Intelligence Multiprocessing Optimized System), developed as part of a collaboration between IBM, Empire State Development and NY CREATES. AiMOS is one of the most energy-efficient computers in existence, and it is used to develop more advanced and efficient computing chips, along with many other initiatives.

GOOGLE'S REPLACEMENT FOR C++

ARTICLES

PIYUSH BHUYAN

1602-21-737-014

```
func generate(words map[string][]string, count int) string {
    var result bytes.Buffer
    rand.Seed(time.Now().UTC().UnixNano())
    word := ""
    for i := 0; i < count; i++ {
        if len(words[word]) == 0 {
            for word, _ = range words {
                break
            }
        }
        log.WithFields(log.Fields{
            "word":    word,
            "options": words[word],
        }).Debug()
        result.WriteString(word)
        result.WriteString(" ")
        word = words[word][rand.Intn(len(words[word]))]
    }
}
```

CARBON

On July 19 2022, a Google developer named Chandler Carruth introduced the world to Carbon at the CPP North C++ conference in Toronto. Google's new language is set to tackle C++'s drawbacks and could potentially be a successor to C++ but what is Carbon and why is it being developed? This article aims to answer those questions.

Google has a long history of developing programming languages to address the inadequacies of the pre-existing languages. Certain languages like GoLang have become widely popular while some others like Dart have become obsolete.

Carbon is a new experimental open-source programming language that looks forward to address the shortcomings of C++ as there's been a growing demand in the developer community for the language to evolve. This is in a similar fashion to how Microsoft developed Typescript to address JavaScript's limitations and how Kotlin was developed to strengthen Java's weaknesses. Carbon is intended to be analogous with C++ and the developers stress that their approach can be built on top of the C++ ecosystem. It's built around modern programming principles that include a common framework to eliminate the need to recheck code multiple times for each instance.

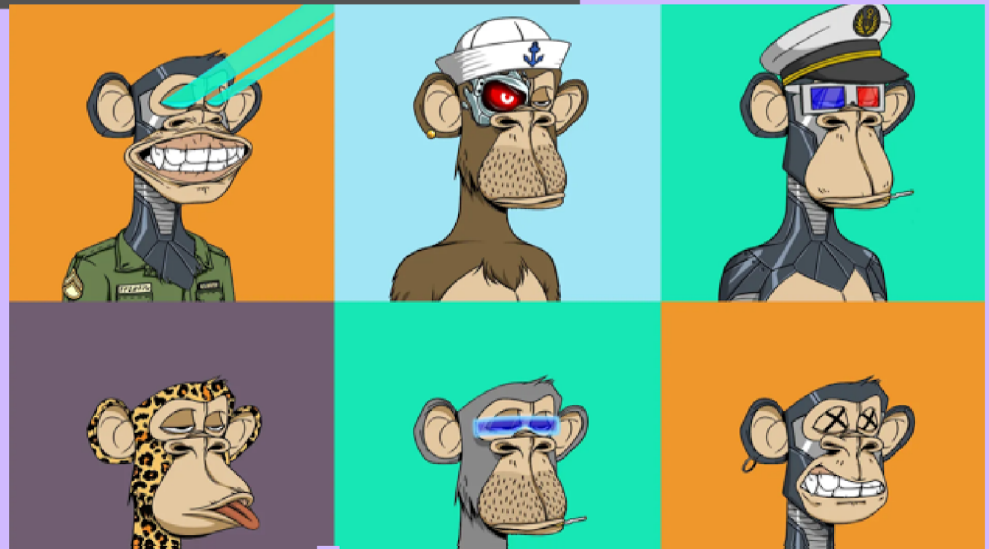
Carbon has outperformed Rust (another potential successor to C++) with its simpler grammar. Developers can use expressions to name types and the package is the root namespace. Carbon looks to incorporate seamless, bidirectional interoperability with C++ allowing easy translation between different programming languages while providing a much simpler and gentler learning curve. Fast and scalable development are also among the goals. The designers also intend to support performance critical applications, and have code that is easy to read and write, while aiming to improve memory safety to minimize vulnerabilities and make code more secure.

NFTS AND BLOCKCHAIN

ARTICLES

HASEEBA YASEEN

Asst.Prof,Dept. of IT



**BLOCKCHAIN
TECHNOLOGY**

Yes, you read that right. This article will put your mind at ease for you beginners/amateurs who are trying to understand what an NFT and a BLOCKCHAIN is. So, without wasting any more time, let's get started.

What is an NFT? Though it is not a widely known/accepted concept, almost everyone in the world of stocks, shares or cryptocurrencies are aware of this. You see it popping up on the news time and again that majority of the celebrities are buying/selling NFT's (Snoop Dogg plans to make Death Row Records the first NFT major label, Eminem created ripples in the metaverse with a Bored Ape Yacht Club NFT, which cost him 123.45 Ether approximately USD 450,000 — on 30 December 2021, etc..). SO, WHAT EXACTLY IS AN NFT?

NFT stands for Non-Fungible Token. To make it easier, let's interchange the word "Fungible" with "Replaceable" which means something that is unique or something that's an original, there's only one of it in the whole world and nobody is allowed to replicate/replace it. Therefore, it goes without saying the non-replaceable items/collectibles (like old paintings and artifacts, unique digital art, anything touched by your favorite celebrity, a tweet, etc..) are worth a lot more than replaceable items (like clothes you buy off Amazon or Myntra which can be easily replaced, items you have for everyday use, a bag of rice, etc..). So, that is the "NF" in "NFT".

The "T" in "NFT" is Token. This is a crypto-related word and to understand this, you first need to understand a cutting-edge technology known as the BLOCKCHAIN. This might sound complicated but I'm going to make this explanation as painless as possible.

So you're probably wondering what does the block chain and this public record have anything to do with NFTs right? what if we apply this to something that isn't money or currency? What if we could apply this to collectibles, videos, digital art, important tweets or something which has an emotional value? The ledger in the blockchain would consist of all the transactions.

For example, person 'A' wants to buy a short video of Steph Curry scoring a basket from person 'B' for the only reason that he would be the owner of that video. Person 'A' pays \$600 million to person 'B' using crypto coins for the video and this transaction is recorded publicly on the internet where everyone could verify this transaction. Another important thing to keep in mind is transactions which are recorded in the blockchain cannot be changed or cannot be over-written. Once a transaction is recorded, it stays there permanently. The token (the video) is being transferred to person 'A' from person 'B' (Non-Fungible). NFTs have the potential to change the future of the world.



Outstanding Student Achievements



J Uday Kumar Reddy

1602-18-737-055

Final Year Student

PLACEMENT

CTC - 30 LAKHS PER ANNUM + 41,000 USD STOCKS



**UBER INDIA RESEARCH AND DEVELOPMENT PRIVATE LIMITED
AS SOFTWARE ENGINEER**

AWARDS

1. Guardian On LeetCode (Global rank as of 15-10-2021 - 1688)
2. 5* Coder On CodeChef (Global rank as of 15-10-2021 - 5325)
3. Yes Bank Young Achiever
4. Certificate of Merit - VCE(2019-20)
5. Certificate of Merit - VCE(2018-19)

ACHIEVEMENTS

1. Scaler Codex 41/6000
2. Uber Hacktag Among top 154 teams/24395 participants.
3. Hackerrank Hackfest 146/8051
4. VNRVJIT Turing Cup 2/100



**Outstanding Student
Achievements**



Mahalaxmi Bejugam

1602-18-737-080

Final Year Student

PLACEMENT

CTC - 20.5 LAKHS PER ANNUM + 32,500 USD STOCKS



**GOOGLE INDIA PRIVATE LIMITED
AS SOFTWARE ENGINEER**

AWARDS

1. Young Leader Award
2. Second Prize in Coding Competition
3. 5* Coder in Java Language (Hacker Rank)
4. Secured Top 1% in India in NPTEL Certification(Python)
5. Academic Excellence award for 2years(VCE)

ACHIEVEMENTS

1. Internship offer from Amazon and Goldman Sachs for summer 2021.
2. Certified by GIET University for qualifying final round of the National Level Online Coding Competition



Outstanding Student Achievements



Benitha Tripuraneni

1602-18-737-014

Final Year Student

PLACEMENT

CTC - 44 LAKHS PER ANNUM



**AMAZON DEVELOPMENT CENTER (INDIA) PRIVATE LIMITED
AS SOFTWARE ENGINEER**

AWARDS

1. Third prize in data structures exam conducted by the inquisitive
2. Second prize in logical reasoning exam conducted by the inquisitive
3. Participated in Codefiesta organized by Script Foundation Chapter Pune

ACHIEVEMENTS

1. Part of Epam prep program 2020-2021
2. AWS Fundamental: Going Cloud-Native, Machine Learning for All, Algorithmic Toolbox Certified



**Outstanding Student
Achievements**



Sri Rangam Yuktha

1602-18-737-060

Final Year Student

PLACEMENT

CTC - 44 LAKHS PER ANNUM



**AMAZON DEVELOPMENT CENTER (INDIA) PRIVATE LIMITED
AS SOFTWARE ENGINEER**

AWARDS

1. Academic Excellence (VCE)
2. NPTEL Certification (Java)

ACHIEVEMENTS

1. Internship offer from Amazon
2. Web Development, Machine Learning for All, Algorithmic Toolbox Certified

PAPER PUBLICATIONS

Sl. No	Date	Title of the Paper	Name of the Journal/Conference	Indexing	Author/Co-author
1	Jan 2022	License Plate Detection of Motorcyclists without Helmets	International Conference on Computational Intelligence & Data Analytics (ICCIDA-2022)	Scopus Springer	Vishal Reddy Gurrala Dr. Chaya Devi S.K, Aakarsh Yelisetty Gowtham Bhujam
2	Jan 2022	Secure Communication and Pothole Detection for UAV Platforms.	International Conference on Computational Intelligence & Data Analytics (ICCIDA-2022)	Scopus Springer	S. Arun Lahari Pokala Suraj Pabba Junaid
3	Jan 2022	Object Detection and Tracking using Deep SORT	International Conference on Computational Intelligence & Data Analytics (ICCIDA-2022)	Scopus Springer	Divya Lingineni DRL Prasanna Sai Yada

NPTEL WINNERS

Sl. No	H.T.No	Student Name	NPTEL Course	Score	Position
1	1602-18-737-035	Sai Akshaj Vanka	The Joy of Computing using Python	96	Elite+Gold Topper 1%
2	1602-19-737-042	Shreya Thodupunoori	Programming in Java	95	Elite+Gold Topper 1%
3	1602-20-737-122	Thallada Ajay Kumar	Programming, Data Structures and Algorithms using Python	94	Elite+Gold Topper 1%
4	1602-20-737-062	Abhinav Vannoj	Problem Solving through Programming in C	92	Elite+Gold Topper 1%
5	1602-20-737-043	Devarakonda Sree Surya	Programming in Java	92	Elite+Gold Topper 2%

NPTEL WINNERS

Sl. No	H.T.No	Student Name	NPTEL Course	Score	Position
6	1602-20-737-089	Pasula Pavan Kalyan	Programming in Java Programming, Data Structures and Algorithms using Python	90	Elite+Gold Topper 5%
7	1602-20-737-113	Vangala Srinivas Reddy	Programming in Java	90	Elite+Gold Topper 5%
8	1602-20-737-126	Killamsetty Ashish	Programming, Data Structures and Algorithms using Python	90	Elite+Gold Topper 5%
9	1602-19-737-108	Golla Sravani	Programming in Java	90	Elite+Gold Topper 5%
10	1602-20-737-035	Sai Sathivk Reikunta	The Joy of Computing using Python	90	Elite+Gold

STUDENT ACHIEVEMENTS

Sl. No	H.T. No	Name of the Student	Date	Event/Domain	Award
1	1602-19-737-057	CHEBOLU VEERA SAIESHA ANIRUDH	1 st April 2022	CODATHON (Hackathon- 2022)	II Prize
	1602-19-737-044	A SHIVA KAUSHAL			
	1602-18-737-039	CH SAI NIKHIL REDDY			
	1602-18-737-055	J UDAY KUMAR REDDY			
2	1602-19-737-010	MUKIRALA DHEERAJ	1 st April 2022	CODATHON (Hackathon- 2022)	III Prize
	1602-19-737-017	YAKSHA KASTURI			
	1602-19-737-018	MATURI KATYAYANI SRIPRIYA			
	1602-19-737-120	N TARUNI			
3	1602-20-737-039	NARSINI SHRAVANI	May 2022	Women Engineers program from 2021-2024	Sponsorship of 2.5 Lakh from Google
	1602-20-737-100	K SAI PRASANNA			

STUDENT ACHIEVEMENTS

Sl. No	H.T. No	Name of the Student	Date	Event/Domain	Award
4	1602-19-737-018	M.SRIPRIYA	May 2022	Women Tech-makers Engineering Fellows (WTEF) program 2020-2023	Scholarship of 2 lakhs from Google
	1602-19-737-017	YAKSHA KASTURI			
	1602-19-737-120	N. TARUNI			
	1602-19-737-181	T. SRILEKHYA			
	1602-20-737-100	K SAI PRASANNA			
5	1602-19-737-018	M.SRIPRIYA	June 2022	Miscellaneous	Shortlisted Smart India Hackathon-2022 (SIH-2022) Grand Finale
6	1602-19-737-018	M.SRIPRIYA	June 2022	Agriculture, Food Tech & Rural Development	Shortlisted Smart India Hackathon-2022 (SIH-2022) Grand Finale

STUDENT ACHIEVEMENTS

Sl. No	H.T. No	Name of the Student	Date	Event/Domain	Award
7	1602-19-737-017	YAKSHA KASTURI	June 2022	Smart Automation	Waiting List Smart India Hackathon-2022 (SIH-2022) Grand Finale
8	1602-19-737-015	ISHWARYA NAKOTI	Internship from May - August 2022	Internship at S & P Global	Stipend of ₹25,500 per month
	1602-19-737-018	SRIPRIYA MATURI			
	1602-19-737-042	SHREYA T			
	1602-19-737-099	B SANKEERTHANA			
	1602-19-737-120	N TARUNI			
9	1602-19-737-008	M Charisma Reddy	Internship from June-August 2022	Amazon through Amazon WoW platform	Stipend of ₹80,000 per month
	1602-19-737-017	Yaksha Kasturi			

PLACEMENTS

Sl. No.	Name of the Company	No. of students
1	Google (Rs.21.00 Lakhs p.a. + 50,000\$ as stock options)	1
2	Infosys through - #HackwithInfy (Rs. 5.00 Lakhs p.a.)	12
3	Infosys through - #HackwithInfy (Rs.4.46 Lakhs p.a.)	9
4	Service Now (Internship 40 K per month&Employment Rs.25.75 Lp.a.)	7
5	Accolite-Through Accolite Hiring Challenge 13.0 (Internship 25K/month & Employment Rs.9.00 lpa	8
6	Accolite Software India Pvt. Ltd (Internship 25 K per month & Employment Rs.9.00 Lakhs p.a.)	8
7	Oracle India Private Ltd., (Vertical: GBU) (Internship 50 K per month & Employment Rs 16.50 LPA	8
8	Oracle India Private Ltd., (Vertical: NetSuite) (Rs 16.50 Lakhs p.a)	2
9	FactSet (Internship 30 K per month & Employment Rs 9.00 Lakhs p.a)	3
10	Deloitte (Vertical: Consulting) (Rs.7.60 Lakhs p.a.)	22
11	TCS - Digital (Internship 15 K per month & Employment Rs 7.00 Lakhs p.a)	15
12	Inn circles (Internship 25 K per month & Employment Rs 10.00 Lakhs p.a)	2
13	Cognizant Gen C Next (Internship 15 K per month & Employment Rs 6.75 Lakhs p.a)	6

PLACEMENTS

Sl. No.	Name of the Company	No. of students
14	Modak Analytics (Internship 12 K per month & Employment Rs 6.00 Lakhs p.a)	7
15	Ernst & Young LLP (Rs 4.50 Lakhs p.a)	2
16	S&P Global (Rs 10.50 Lakhs p.a)	2
17	RSM Delivery Centre (India) Private Limited (Rs.8.00 Lakhs p.a.)	5
18	Larsen & Toubro Infotech Ltd. (Rs.6.50 Lakhs p.a.)	9
19	Larsen & Toubro Infotech Ltd. (Rs.5.00 Lakhs p.a.)	6
20	Cognizant Elevate (Rs 4.00 Lakhs p.a + Bonus)	17
21	Cognizant GenC (Rs 4.00 Lakhs p.a)	13
22	Larsen & Toubro Infotech Ltd. (Rs.8.00 Lakhs p.a.)	7
23	Accenture – AASE (Rs.6.50 Lakhs p.a.)	5
24	Accenture – ASE (Rs.4.50 Lakhs p.a.)	21
25	Wave Labs (Rs 7.00 Lakhs p.a)	1
26	TCS – Ninja (Rs.3.50 Lakhs p.a.)	26
27	Progress Software Development Pvt Ltd (Internship 30 K per month & Employment Rs.8.00 Lp.a.)	1
28	SpringML (Internship 15 K per month & Employment Rs.6.00 Lakhs p.a.)	5
29	Amazon WoW (Internship 80 K per month)	2

PLACEMENTS

Sl. No.	Name of the Company	No. of students
30	Siemens Industry Software (I) Pvt. Ltd. (Internship 40K Per month & Employment Rs.20.20 p.a.)	2
31	NCR Corporation (Internship 30 K per month & Employment Rs 10.00 Lakhs p.a)	1
32	Kodem Legal Technologies India Pvt. Ltd. (Internship 20 K per month & Employment Rs 7.00 Lpa	3
33	Darwin Box (Internship 25K per month & Employment Rs 15.50 Lakhs p.a)	8
34	Salesforce (Internship 30 K per month & Employment Rs 6.82 Lakhs p.a)	1
35	Silicon Labs India Private Ltd. (Internship 21 K per month & Employment Rs 9.98 L p.a)	1
36	Pega Systems (Rs 16.00 Lakhs p.a)	4
37	EnergyTech Global (Internship 15 K per month & Employment Rs 6.00 Lakhs p.a)	8
38	TA Digital (Rs.5.00 Lakhs p.a.)	1
39	Wipro (Rs.3.50 Lakhs p.a.)	3
40	Media mint (Internship 15 K per month & Employment Rs.3.19 Lakhs p.a.)	2
41	F5 Networks Innovation Private Limited (Rs. 23.00 Lakhs (Including (Basepay of 12L+Variable+ PF) + Stocks+Benefit)	5
42	PwC Acceleration Centre (Rs.6.00 Lakhs p.a)	1

PLACEMENTS

Sl. No.	Name of the Company	No. of students
43	DBS Asia Hub 2 (Rs 8.50 Lakhs p.a)	5
44	Model N India Software Pvt. Ltd. (Rs 7.61 Lakhs p.a + 4000\$ as stock options)	2
45	MTX Group Inc (Rs 10.50 Lakhs p.a)	7
46	Aaspaas Online Services Private Limited. (Internship 18 K per month & Employment Rs.7.50 Lp.a.)	1
47	Head Digital Works Pvt., Ltd (Internship 30 K per month & Employment Rs.12.00 L p.a.)	9
48	Bosch Global Software Technologies Pvt Ltd (Rs 5.00 Lakhs p.a)	1
49	Netcracker Technology (Internship 30 K per month & Employment Rs.8.00 Lakhs p.a.)	1
50	SatNav Technologies (Internship 25 K per month & Employment Rs.9.00 Lakhs p.a.)	3
51	Uber (Internship 30 K per month + Rs. 15,000 housing allowance)	2
52	Regology Inc., (Rs 8.00 Lpa+33Kvariable at 100% performance+1 L Joining bonus+750 ESOPS~3.4L)	1
53	Head Digital Works Pvt., Ltd AWS Engineer (Rs.8.00 Lakhs p.a.)	2
	No. of Students registered with 6.5 CGPA and above	122
	Gross Selections	306
	Net Selections	121
	% Of Selections	99.18

INTERNSHIPS

Sl. No	Name of the Company	No. of students	Sl. No	Name of the Company	No. of students
1	Accolite Software India Pvt. Ltd.	7	19	Sales Force	1
2	Amazon	2	20	SatNav Technologies	1
3	Cognizant	5	21	ServiceNow	5
4	Darwin box	8	22	Siemens	2
5	Energy Tech Global	3	23	Silicon Labs	1
6	Ernst & Young LLP	1	24	SpringML	4
7	Factset	3	25	Tutorials point	9
8	Head Digital Works Pvt. Ltd.	8	26	Uber	2
9	Hitachi	1	27	Verisk Analytics	1
10	IBM	1	28	Virtusa	1
11	Inn circles	2	29	Walmart Global Tech	2
12	kodem legal technologies	1	30	Wave labs	1
13	Media Mint	2	31	Zemoso Labs	2
14	Modak Analytics	2	32	WOIR	2
15	NCR	1	33	ADRIN (R&D)	14
16	Netcracker	1	34	Brane	8
17	Pega Systems	1	Total		108
18	Oracle	8			

WORKSHOPS/SEMINARS

Sl. No	Date	Title	Resource Person	Target Audience	No. of Participants
1	3 rd Feb 2022	Orientation program for starters under CODECHEF VCE CHAPTER EVENTS	Student Organizers: Abhiram Sreekar, Aditya Mogili, Santosh Kumar, K. Vaishnavi	B.E. I-Sem	170
2	6 th Feb 2022	VCE Starter under CODECHEF VCE CHAPTER EVENTS	Student Organizers: Abhiram Sreekar, Aditya Mogili, Santosh Kumar, K. Vaishnavi	B.E. I-Sem	49
3	19 th Mar 2022	Smart India Internal Hackathon	Dr. K. Raghavendra, Scientist /Engineer 'SG', Head High performance computing Drones (HPCD), Advanced Data Processing Research Institute (ADRIN), ISRO, Secunderabad Mr. Amar Sharma, Founder & CEO, M/s. Woir Software India Pvt. Ltd. Mr. Balakrishna, Senior Manager, State Street Corporate Services Mumbai Private Limited Mr. Karthik, Tech Manager, Decision Minds (2008 Alumni) Mr. Vasudev, Software Development Engineer 2, Expedia (2016 Alumni) Ms. Harshitha-, Software Engineer, Google (2020 Alumni)	B.E. IV and VI Sem	114

WORKSHOPS/SEMINARS

Sl. No	Date	Title	Resource Person	Target Audience	No. of Participants
4	31st Mar 2022	Technical Article on Latest IT Technologies	Contest organized by IT Department	IV-Sem IT A, B & C section Students	197
5	14 th May 2022	Code chef - Online Coding Contest on See-Think-Explore-Program (STEP) under CCA	Faculty Coordinators: C. Sireesha (CCA Coordinator), D.R.L. Prasanna (Code chef VCE Coordinator) Student Coordinators: Abhiram Sreekar, K. Vaishnavi, Santosh Kumar	II and IV Sem	71
6	21 st June 2022	Career Guidance Session	Mr. G. Sharath Chander, Founding Director, The Learner's Society	IV-Sem IT A, B & C section Students	197

WEBINARS/GUEST LECTURES

Sl. No	Date	Title	Resource Person	Target Audience
1	29 th Jan 2022	Webinar on A Guidance Program on Career Opportunities after B. Tech	Mr. Ramesh, Motivational Speaker, ACE Engg. Academy	IV-VI-Sem students
2	7 th Feb 2022	Career Guidance session on "Higher Education Opportunities outside India"	Team from Y-Axis	IV and VI semester students
3	26 th Feb 2022	Lecture on Overview & Application of Programming Languages, OSs, and DBs across Industries	Mr. Amar Sharma, Founder & CEO, M/s. Woir Software India Pvt. Ltd.	BE I-Sem IT-A, B & C Section students
4	7 th April 2022	Lecture on Gender Sensitization	Dr. B. Hymavathi, Psychological Counselor, UoH, Hyderabad	BE IV-VI Semester Girl students

ALUMNI ACTIVITY

Sl. No	Title	Date	Alumnus Name, Designation & Organization	Passing Year	Target Audience
1	Course Planning and Career Planning	29 th Jan 2022	Mr. Shubham Singh, Software Engineer, NCR Corporation	2018	I-Sem IT ABC Sections
2	Placement Preparation	30 th April 2022	Mr. B. Venkat Anand, DevOps Engineer-I, NCR Corp.	2021	IV-Sem IT A
3	Interview Preparation	30 th April 2022	Ms. Nikitha, Software Engineer-I, Google	2021	IV-Sem IT B
4	Alumni Interaction	07 th May 2022	Ms. Yerram Sai Rachana, Software developer, Oracle, Hyderabad	2021	IV-Sem IT C

FACULTY CONTRIBUTION OUTSIDE VCE

Sl. No	Name of the Faculty	Date	Event/ Proposal/Awards	Organization
1	Dr. S. K. Chaya Devi, Assoc. Prof.	28th Jan 2022	Appreciation Letter for Expert Talk on IOT Applications in Recent Trends	SRM Institute of Science and Technology, Rama Puram Campus Faculty of Engineering & Technology
2	Dr. V. Venkata Krishna Prof.	18 th Feb 2022	Session on Student Support and Progression	FDP on NAAC Revised Accreditation Framework organized by IOT Academy, Coimbatore
3	Dr. K. Ram Mohan Rao, HOD, IT	March 2022	Proposal entitled "Drone/UAV based Multi Sensor High Quality Precision Photogrammetry Laser Mapping and Data Capture"	Submitted to DST

FACULTY CONTRIBUTION OUTSIDE VCE

Sl. No	Name of the Faculty	Date	Event/ Proposal/Awards	Organization
4	Dr. S. K. Chaya Devi, Assoc. Prof.	March 2022	Proposal entitled "Three-Dimensional Construction of Terrain from UAV/Satellite Data using Structure from Motion and Convolution Neural Techniques for Geo Spatial Applications"	Submitted to DRDO
5	Dr. Hitendra Sarma, Assoc. Prof.	March 2022	Proposal entitled "Hyperspectral Unmixing Techniques for Mineral Resource Exploration and Evaluation"	Submitted to DST
6	Dr. K. Shyam Sunder Reddy	20 th and 21 st May 2022	Appreciation letter for reviewing the papers submitted to conference	Advances In Science, Engineering and Technology for Sustainable Development, (NCASETSD-2022)

EVENT PHOTOS



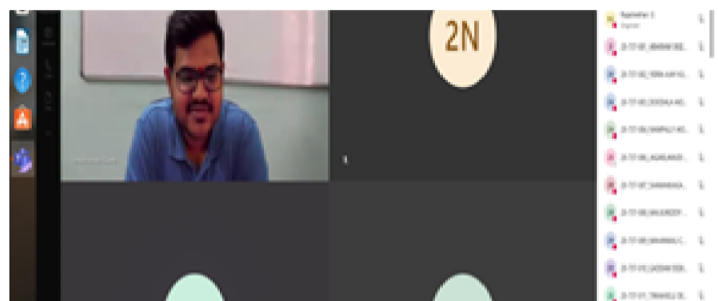
SMART INDIA INTERNAL HACKATHON



CODATHON (HACKATHON 2022)



APPLICATION OF PROGRAMMING LANGUAGES



ALUMNI ACTIVITY

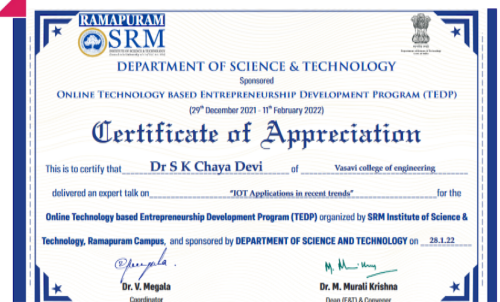
EVENT PHOTOS



**GOOGLE TALENT SPRINT WTF
6TH SEMESTER STUDENTS**



**GENDER SENSITIZATION
4TH AND 6TH SEM GIRLS**



FACULTY CONTRIBUTION OUTSIDE VCE

ABOUT VCE



VASAVI COLLEGE OF ENGINEERING (VCE), ESTABLISHED IN THE YEAR 1981, IS ONE OF THE MOST SOUGHT-AFTER ENGINEERING AND MANAGEMENT COLLEGES IN HYDERABAD, TELANGANA. LOCATED IN A SPRAWLING CAMPUS OF 13.6 -ACRE LAND, VCE IS A CAMPUS IDEAL FOR STUDENTS TO HONE THEIR ACADEMICS IN AN ATMOSPHERE OF OPTIMISM.

ABOUT THE DEPARTMENT

THE DEPARTMENT OF INFORMATION TECHNOLOGY AT VASAVI COLLEGE OF ENGINEERING IS FOCUSED ON DISSEMINATING THE MOST UPDATED AND SOPHISTICATED TECHNICAL KNOWLEDGE TO THE STUDENTS WHO ENROLL IN THE COURSE. THE DEPARTMENT HAS WELL QUALIFIED AND HIGHLY EXPERIENCED FACULTY MEMBERS TO GUIDE THE STUDENTS THROUGH THEIR ACADEMIC ENDEAVOURS.

FROM THE INFRASTRUCTURE POINT OF VIEW, THE DEPARTMENT ALSO HAS EXCELLENT CLASSROOMS AND WELL-EQUIPPED LABORATORIES ALONG WITH A RICH COLLECTION OF BOOKS IN THE DEPARTMENT LIBRARY.



WE ALSO POSSESS EXTENSIVE E-LEARNING OPPORTUNITIES THE PROVIDE STUDENTS A FLEXIBLE AND SEAMLESS LEARNING EXPERIENCE. WE ALSO HAVE AN EFFICIENT RESEARCH AND DEVELOPMENT CENTRE, BIG DATA ANALYTICS LAB AND AN IOT LAB IN ASSOCIATION WITH CDAC. THE DEPARTMENT NOT ONLY OFFERS SCOPE FOR RESEARCH AND STUDY BUT ALSO PROVIDES AMPLE OPPORTUNITIES FOR HOLISTIC DEVELOPMENT OF OUR STUDENTS.

EVERY STUDENT IS GIVEN AN EXCLUSIVE COMPUTER SYSTEM TO CARRYOUT LABORATORY WORK AND PROJECTS. THE DEPARTMENT HAS HIGH SPEED INTERNET CONNECTIVITY WITH WI-FI ACCESS.

VISION

TO BE A CENTER OF EXCELLENCE IN CORE INFORMATION TECHNOLOGY AND MULTIDISCIPLINARY LEARNING AND RESEARCH, WHERE STUDENTS GET TRAINED IN LATEST TECHNOLOGIES FOR PROFESSIONAL AND SOCIETAL GROWTH.

MISSION

TO ENABLE THE STUDENTS ACQUIRE SKILLS RELATED TO LATEST TECHNOLOGIES IN IT THROUGH PRACTICE- ORIENTED TEACHING AND TRAINING.

PEO

- 1. WITH THEORETICAL AND PRACTICAL KNOWLEDGE TO OBTAIN EMPLOYMENT OR PURSUE HIGHER STUDIES AND SOLVE PROBLEMS IN INFORMATION TECHNOLOGY.**
- 2. WITH EFFECTIVE WRITTEN AND ORAL COMMUNICATION SKILLS THAT WILL HELP THEM TO WORK IN DIVERSIFIED AND DYNAMIC WORKING ENVIRONMENTS.**
- 3. WITH COMPETENCE TO SUCCEED IN THEIR PROFESSIONAL LIVES WITH ETHICAL VALUE**

PSO

- PSO1: COMPETENCY IN PROGRAMMING USING DIFFERENT PROGRAMMING LANGUAGES TO IMPLEMENT ALGORITHMS**
- PSO2: COMPETENCY IN THE ANALYSIS AND DESIGN OF A SOFTWARE SOLUTION USING DIFFERENT MODELLING TOOLS.**
- PSO3: COMPETENCY IN ELECTRONIC DESIGN AND EMBEDDED SYSTEM DESIGN USING DIFFERENT SIMULATION TOOLS.**

PO

ENGINEERING GRADUATES WILL BE ABLE TO:

1. **ENGINEERING KNOWLEDGE:** APPLY THE KNOWLEDGE OF MATHEMATICS, SCIENCE, ENGINEERING FUNDAMENTALS, AND AN ENGINEERING SPECIALIZATION TO THE SOLUTION OF COMPLEX ENGINEERING PROBLEMS.
2. **PROBLEM ANALYSIS:** IDENTIFY, FORMULATE, REVIEW RESEARCH LITERATURE, AND ANALYZE COMPLEX ENGINEERING PROBLEMS REACHING SUBSTANTIATED CONCLUSIONS USING FIRST PRINCIPLES OF MATHEMATICS, NATURAL SCIENCES, AND ENGINEERING SCIENCES.
3. **DESIGN/DEVELOPMENT OF SOLUTIONS:** DESIGN SOLUTIONS FOR COMPLEX ENGINEERING PROBLEMS AND DESIGN SYSTEM COMPONENTS OR PROCESSES THAT MEET THE SPECIFIED NEEDS WITH APPROPRIATE CONSIDERATION FOR THE PUBLIC HEALTH AND SAFETY, AND THE CULTURAL, SOCIETAL, AND ENVIRONMENTAL CONSIDERATIONS.
4. **CONDUCT INVESTIGATIONS OF COMPLEX PROBLEMS:** USE RESEARCH-BASED KNOWLEDGE AND RESEARCH METHODS INCLUDING DESIGN OF EXPERIMENTS, ANALYSIS AND INTERPRETATION OF DATA, AND SYNTHESIS OF THE INFORMATION TO PROVIDE VALID CONCLUSIONS.
5. **MODERN TOOL USAGE:** CREATE, SELECT, AND APPLY APPROPRIATE TECHNIQUES, RESOURCES, AND MODERN ENGINEERING AND IT TOOLS INCLUDING PREDICTION AND MODELING TO COMPLEX ENGINEERING ACTIVITIES WITH AN UNDERSTANDING OF THE LIMITATIONS.
6. **THE ENGINEER AND SOCIETY:** APPLY REASONING INFORMED BY THE CONTEXTUAL KNOWLEDGE TO ASSESS SOCIETAL, HEALTH, SAFETY, LEGAL AND CULTURAL ISSUES AND THE CONSEQUENT RESPONSIBILITIES RELEVANT TO THE PROFESSIONAL ENGINEERING PRACTICE.
7. **ENVIRONMENT AND SUSTAINABILITY:** UNDERSTAND THE IMPACT OF THE PROFESSIONAL ENGINEERING SOLUTIONS IN SOCIETAL AND ENVIRONMENTAL CONTEXTS, AND DEMONSTRATE THE KNOWLEDGE OF, AND NEED FOR SUSTAINABLE DEVELOPMENT.
8. **ETHICS:** APPLY ETHICAL PRINCIPLES AND COMMIT TO PROFESSIONAL ETHICS AND RESPONSIBILITIES AND NORMS OF THE ENGINEERING PRACTICE.
9. **INDIVIDUAL AND TEAM WORK:** FUNCTION EFFECTIVELY AS AN INDIVIDUAL, AND AS A MEMBER OR LEADER IN DIVERSE TEAMS, AND IN MULTIDISCIPLINARY SETTINGS.
10. **COMMUNICATION:** COMMUNICATE EFFECTIVELY ON COMPLEX ENGINEERING ACTIVITIES WITH THE ENGINEERING COMMUNITY AND WITH SOCIETY AT LARGE, SUCH AS, BEING ABLE TO COMPREHEND AND WRITE EFFECTIVE REPORTS AND DESIGN DOCUMENTATION, MAKE EFFECTIVE PRESENTATIONS, AND GIVE AND RECEIVE CLEAR INSTRUCTIONS.
11. **PROJECT MANAGEMENT AND FINANCE:** DEMONSTRATE KNOWLEDGE AND UNDERSTANDING OF THE ENGINEERING AND MANAGEMENT PRINCIPLES AND APPLY THESE TO ONE'S OWN WORK, AS A MEMBER AND LEADER IN A TEAM, TO MANAGE PROJECTS AND IN MULTIDISCIPLINARY ENVIRONMENTS.
12. **LIFE-LONG LEARNING:** RECOGNIZE THE NEED FOR, AND HAVE THE PREPARATION AND ABILITY TO ENGAGE IN INDEPENDENT AND LIFE-LONG LEARNING IN THE BROADEST CONTEXT OF TECHNOLOGICAL CHANGE.

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