

ATHARVA

Editor's Choice

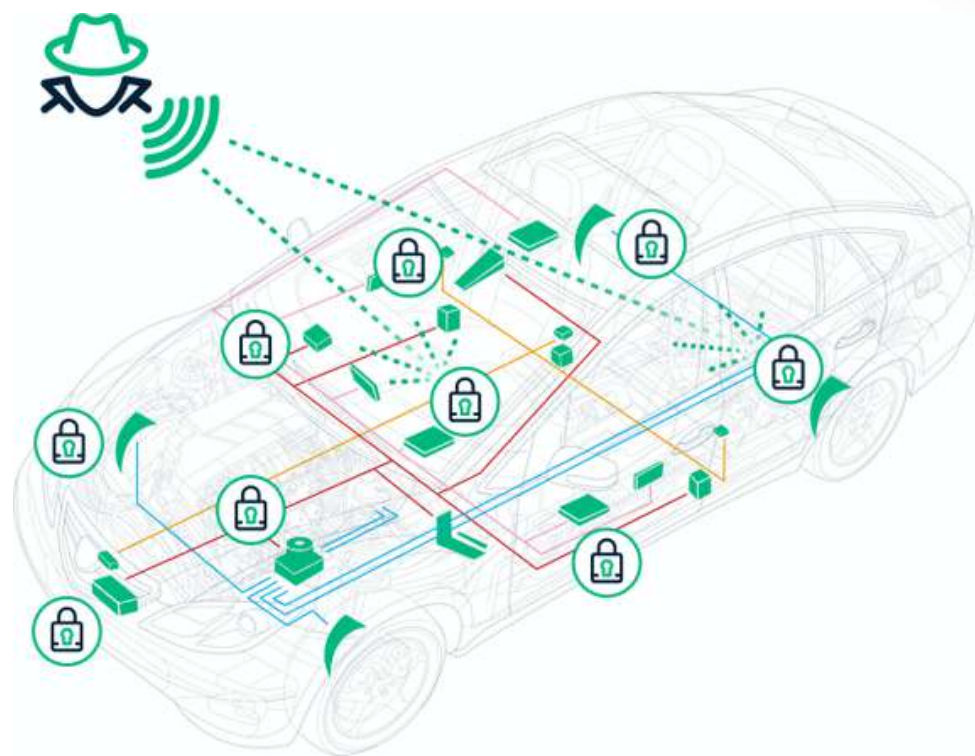
- Shubham Singh

Welcome to Atharva Magazine's June 2023 edition, where we welcome our junior batch of 2023-25. We explore the transformational potential of automation, RPA, big data, and generative AI this month. We also look into the growing issue of automobile hacking, celebrate diversity among SCIT colleagues, and highlight renowned alumnus "Abhishek Uday"

In "Automation and the Future," we look at how RPA, big data analytics, and generative AI are transforming several industries. The article "The Rise of Automotive Hacking" discusses the threat of cyber assaults on connected automobiles as well as the industry's efforts to defend them. At SCIT, we emphasize the value of having a diverse community and the good effects it have on learning.

Lastly, we feature Abhishek Uday, an accomplished alumnus, in an exclusive article that traces his journey and highlights his contributions.

I hope you find this edition informative and inspiring. Happy reading!



Automotive Hacking

- Gandhrav Singh

Over the past decade automobiles have witnessed extensive usage of computers for its control, from infotainment to vehicle control and what not. Self-driving cars are cruising on the roads, smartphones can be used as keys, Auto-braking mechanism is being used to prevent collision. While technology has made vehicles more safe, comfortable and entertaining, it has given rise to a new kind of threat "Automotive Hacking". Today to support automation and various other features on each vehicle you can find an average of 100 Electronic control units (ECUs) and innumerable lines of programming codes which makes the vehicle an open invitation for hackers to take entire control of it for all the wrong reasons. The threat of automotive hacking is that it has the potential to tremendously destroy a vehicle's security measures, render it inoperable, make changes to features and cause disruption. By hacking the key, hackers can gain control over the car doors and ignition. Imagine if your car suddenly comes to a stop, or the doors open and close all by themselves. Hacking the car's computer system gives power over throttle and brakes which can cause vehicle to either accelerate quickly or turn off completely. Another danger is data theft. If your car has connected automotive apps, you may have given cyber attackers passwords, driving records, bank data, or credit card information. The awareness regarding these threats is necessary to safeguard you and your vehicle from any harm.

What's Inside?

Automotive Hacking
Induction Program (2023-25)
Diversity among peers in SCIT

Automation, RPA, Big Data, and Generative AI
Star Alumni
Archives from the Past

Induction Program (2023-25)

- Stuti Roy



The induction program for 2023-25 took off on June 14th, welcoming the newcomers by Dr. Dhanya Pramod, Director of SCIT. She inspired students with her engaging way of narrating tales entangled with the wisdom of the world we are in and learning guidance of the world, we are about to enter.

Dr. Rajani Gupte is the Vice Chancellor of Symbiosis International (Deemed University), Dr. Vidya Yeravdekar is the Principal Director of Symbiosis and Pro-Chancellor of Symbiosis International University and Dr. Shantaram Balwant Mujumdar is the Chancellor, Symbiosis International (Deemed University) & Founder and President, Symbiosis, were all present for the induction ceremony. Their words and tales of their years of experience become a point of connection and personal meaning to become an inspiration to the students. They are no longer observers or listeners but participants. It helped the students understand and align their values to symbiosis's mission and the cause it represents.

Dr. Rajani Gupte shared her insights about how much Symbiosis is invested in improving and providing the best quality education and wellness to the society.

Dr. Vidya Yeravdekar, spoke about how our curriculum is well-balanced and in sync with the current technologies with high demands on the market and business knowledge to execute them accurately.

Mujumdar Sir, started to address the students with a prayer. He informed the students of the motto which laid the foundation for Symbiosis "Vasudhaiva Kutumbakam," which means "World is one Family." How diversity all around the country can be invited under one roof through the medium of education and to develop a sense of belongingness towards all fellow earth dwellers is achieved.

The chief guest for the day was Mr. Srinivas Medicherla, Director of Sales Operations Veritas Technologies LLC, who addressed the student with his enlightening thoughts about their upcoming journey and how the real-world Industry works. He introduced the students to automation, RPA, big data, Generative AI, and other similar recent technologies. This program not only helps the students understand the college curriculum but brings the students immense knowledge and makes them well-prepared for their upcoming journey to build themselves into world leaders.

Diversity among peers in SCIT

- Abizer Vakil



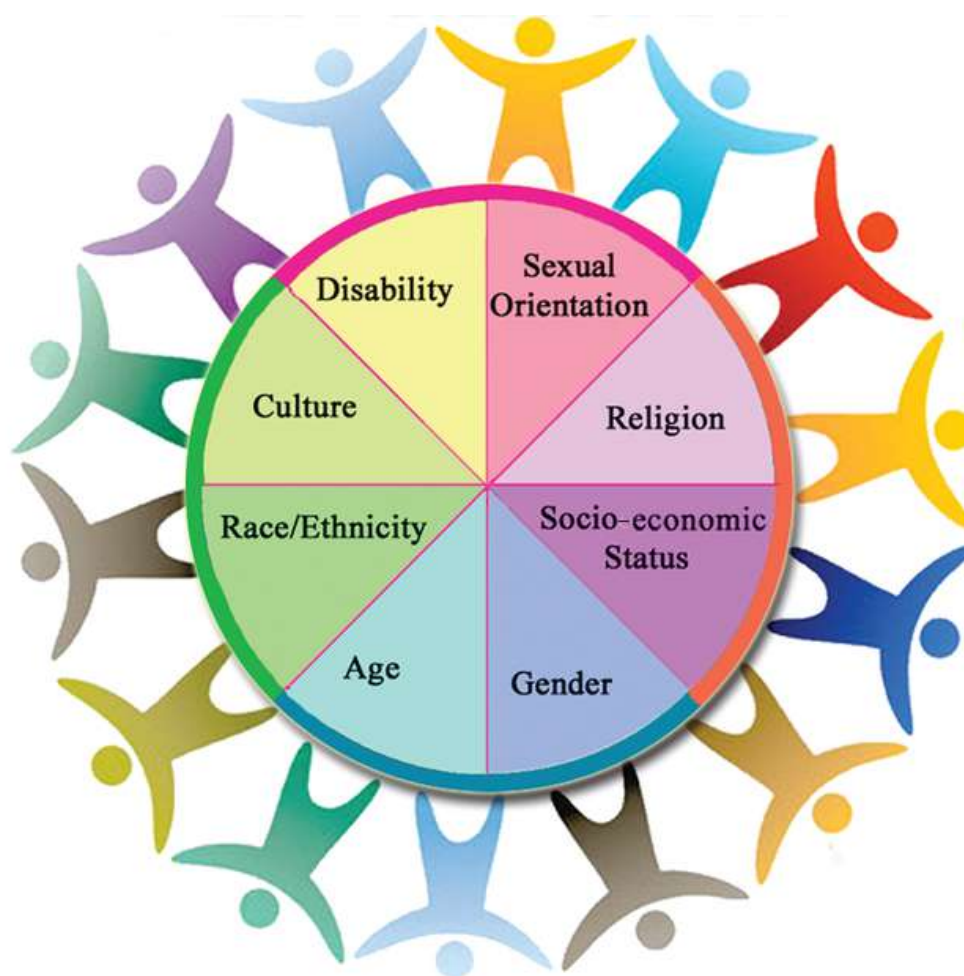
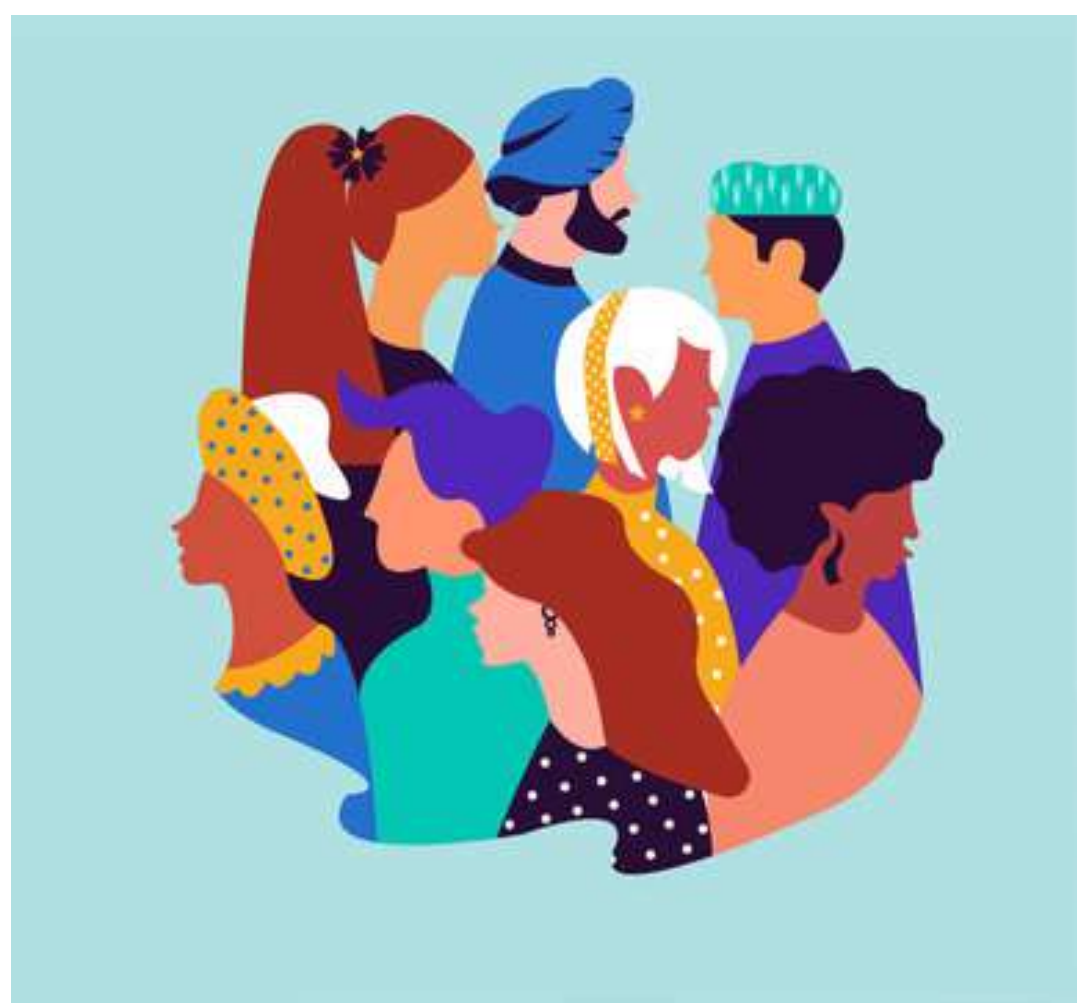
Diversity among peers at SCIT is an important aspect of our college community. When we talk about diversity, we mean that our student body consists of individuals from various backgrounds, cultures, beliefs, and experiences. This diversity brings a wide range of perspectives, ideas, and talents to our college, creating a vibrant and inclusive learning environment.

At SCIT, you will find students from different parts of the country and even from different countries around the world. This mix of cultural backgrounds enhances the learning experience as students can interact and learn from one another. It promotes the understanding and appreciation of different cultures, traditions, and values. You will have the opportunity to celebrate festivals, taste diverse cuisines made by peers, and participate in cultural events that showcase the richness of our student community.

In addition to cultural diversity, SCIT also values diversity in terms of academic backgrounds and interests. Students come from various educational backgrounds, such as engineering, commerce, science, and many more. This diversity of knowledge and skills fills interdisciplinary learning and encourages collaboration among students. It enables the students to work together on projects, share ideas, and learn from different perspectives.

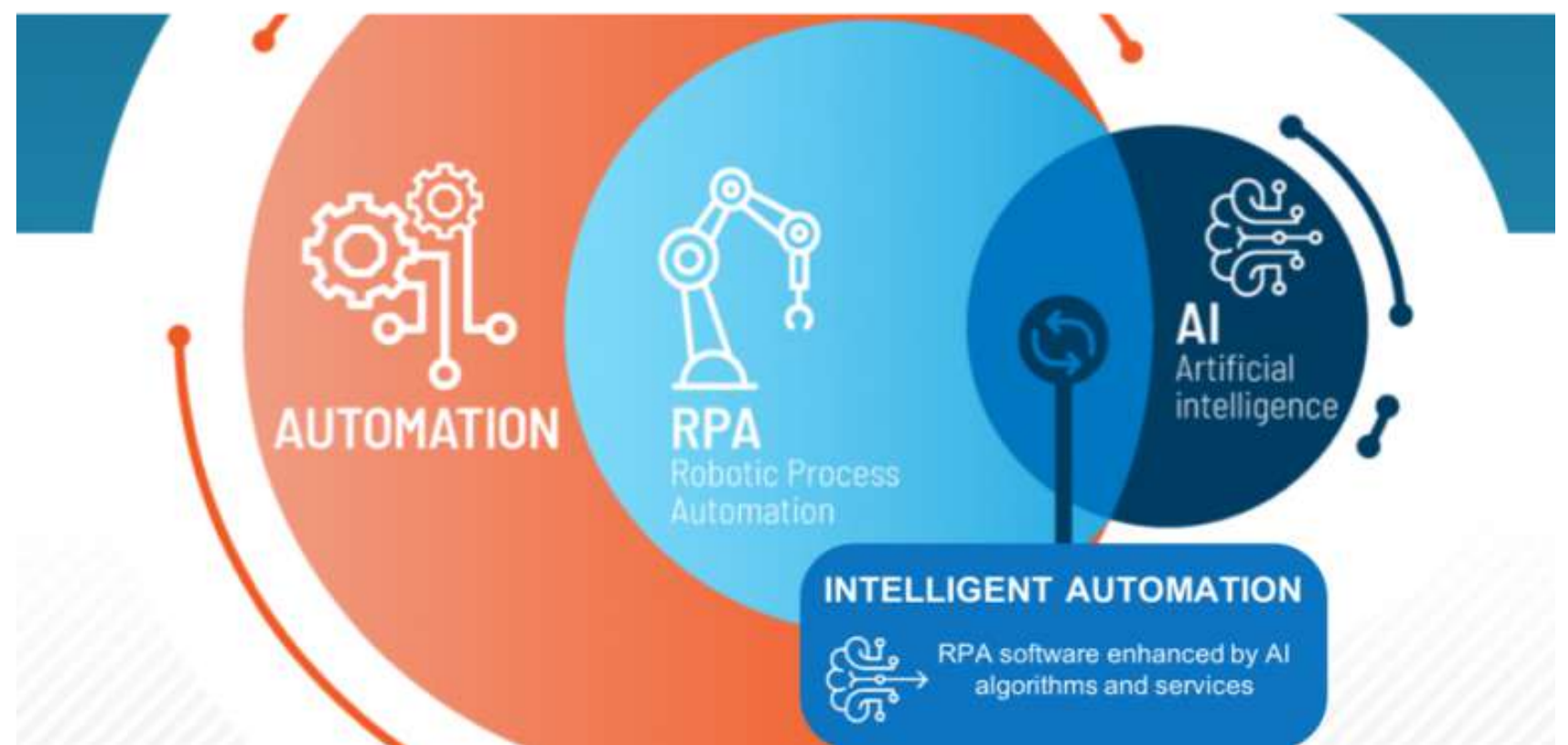
We also embrace diversity in terms of gender, race, ethnicity, and socio-economic backgrounds. This inclusive environment promotes equality, respect, and understanding among students. It prepares us for the real world where we can interact with individuals from all walks of life.

The diversity among peers at SCIT enriches the college experience. It provides opportunities for students to broaden their horizons, develop empathy, and build strong relationships with people from diverse backgrounds. SCIT is proud to have such diverse students.



Automation, RPA, Big Data, and Generative AI

- Lakshmi Naveena



Automation, Robotic Process Automation (RPA), Big Data, and Generative AI are revolutionizing the way businesses operate in today's digital age. These transformative technologies have the potential to streamline operations, enhance productivity, and unlock unprecedented opportunities for organizations across various industries

Automation, in simple terms, refers to the use of technology to perform tasks or processes with minimal human intervention. It empowers businesses to streamline operations, reduce errors, and boost efficiency

Robotic Process Automation (RPA), a specific form of automation that utilizes software robots or "bots" to automate rule-based processes. These bots can interact with various applications, perform data entry, extraction, and processing tasks, and even make decisions based on predefined rules. The beauty of RPA lies in its ability to mimic human actions, making it an ideal candidate for tasks that are repetitive, time-consuming, and prone to errors. For example, RPA in customer service automates tasks like customer inquiries, updating records, etc.

As we delve deeper into the automation landscape, we encounter Big Data—a goldmine of information that fuels intelligent decision-making. Think of it as an ocean of data, flowing from numerous sources—customer interactions, social media, sensors, and enterprise systems. But how do we navigate this vast expanse of data and extract valuable insights? Advanced data processing techniques, such as parallel computing and distributed systems, help handle the massive volumes of data

Generative AI—an awe-inspiring technology that empowers machines to create original content, blurring the line between human and artificial intelligence. Imagine AI algorithms generating captivating narratives, stunning visuals, and captivating music.

The Transformation of Industries and Workforce:

The integration of automation, RPA, Big Data, and Generative AI will reshape industries and redefine job roles. Routine tasks will be automated, freeing up human talent to focus on critical thinking, creativity, and complex problem-solving. New job opportunities will emerge, requiring a combination of technical and cognitive skills to navigate the evolving landscape. As technology advances, it is essential for individuals and organizations to adapt, upskill, and embrace the transformative potential of automation and its allied technologies.

The future holds endless potential, where humans and machines collaborate harmoniously to shape a thriving and progressive business environment.

Archives from the Past

Looking for Jobs – Why not create one?



SCIT SproutIT organised PULSE-Panel Discussion, an initiative to nurture future entrepreneurs. Our chief guest Mr. Prasant Pansare introduced the new market to us. This market profiles, monitors and watch us every minute. They study us so very well. Everything that we do or we want, they know it. You must be wondering how this is possible. They use Link analysis-Predictive analysis.

The very next question that comes in our mind is how all this is related to entrepreneurs? An entrepreneur should use this visibility to show their idea to the world. They have to understand the complete ecosystem as it is not just the engine, wheels are equally important to run your machine of idea. If you have an idea, make a master plan-showcase it!

The panel discussion kick started with Mrs. Panjal, Mr. Vinod Sikka, Miss Swati Owal, Mr. Nitin Baraskar starting with the definition of PULSE where P-Plan, U-Unleash, L-Lead, S-Synthesize and E-Evolve.

All the big words that come into our mind while thinking of entrepreneurship were actually discussed here. Following are few of them:-

Observation-Observation starts from oneself. Observe business and society to come up with the most demanded thing.

Attitude- Keep a positive attitude. Take some time to peep into yourself and know what you are good at.

Risk- Take risk in business. Come out and do it yourself.

Motivation-Ask question to yourself- why to do it? What is the motivation behind it, what value the product will add to the customers? Love the idea and sell it to yourself first.

Challenges-Challenges comes with an idea, it is upon us that what should we give priority to, product or services? And also Funding as a challenge is a myth. Money will follow you; you don't have to follow it in entrepreneurship.

Technology- It is a facilitator. It can help one in lots of ways to scale up their product through e-learning or digital marketing. Come up with "zero cost" marketing.

Mentor-One has an idea but inputs come when it is discussed with mentor. Find one person to guide you to put you on the right track. They are certain pillars who can keep your base too strong.

Naming Aspect-It can be Wacky as like Google or Facebook or can be Implicit that is describing your work.

Legal Aspect- They advised to go as Proprietary firm as it is better to keep it simple. There is a doubt of going for private limited or partnership firms but we have to understand that the more legal, the more complex it is. The first thing we must do is to have its copyright or patent it.

We really thank them to have such a healthy discussion to motivate and educate us about entrepreneurship. The ideas and experiences that the panelists shared with students would have definitely sown the seeds of making business out of ideas in the minds of the audience. The panel discussion has fruitfully sown the seeds of entrepreneurship in the minds of the young students at SCIT. Thanks to the ITEL Cell of SCIT for arranging such panel discussions as a part of their Sprout IT' 14.



Archives from the Past

e-Talk Series 2021 at SCIT by Mr. Gaurav Makhija



As the e-Talk Series 2021 progresses, the students witnessed another guest lecture on the topic 'Diversity & Inclusion, New Normal In Service, And Service As A Market Differentiator'. The speaker, Mr. Gaurav Makhija, is currently working as a Director with Aftermarket Sales, Service Ops, and Tech Support at Videojet Technologies, a part of Danaher Corporation, a Fortune 500 company. He has over 15 years of sales experience, is based out at different locations, and has handled multiple geographies. Previous to Videojet Technologies he has worked with the Sanmar Group and Ingersoll Rand.

The session was broadly divided into 4 sub-topics i.e. Vision and Mission of the Organization, Why MBA?, Four Dimensions of Reference, and Insights on How to Prepare for Upcoming Interviews. Mr. Makhija explained that vision is nothing but leading with innovation and the passion to solve the world's product identification challenges whereas mission is partnering as well as protecting with customers to protect them, and lastly, continuous operations, reliability, quality, and productivity should be top-notch.

The speaker then moved on to the second sub-topic i.e. the four dimensions of reference viz. Conscious Bias, Unconscious Bias, and Stereotype. He elaborated that Unconscious Bias is when judgements are made even with the availability of compelling data and information whereas Unconscious Bias implies that judgement is made without being aware of the fact that there is a bias. Lastly, Stereotype is where a conclusion is made about a whole group of people based on the data and information relating to just one group. A fun activity was also conducted where a few volunteers from the audience were asked to create a job description for a technical support analyst.

In the final phase of the guest lecture, the speaker delineated the importance of an MBA degree and its significance in the latter part of our careers. He also gave a few tips and tricks for the upcoming interviews. The lecture ended with the speaker enthusiastically answering the questions of the students. Such guest lectures really benefit the students and add to the existing knowledge of the students.



Mr. Abhishek Uday



**Star
Alumni**

- Sagar Chowdhury

Mr. Abhishek Uday is our Star Alumni, currently working as Managing Director at Accenture in Munich. Mr. Abhishek pursued his Bachelor's in Computer Science, where he was actively involved in various activities and societies as an undergraduate student; he won many awards in various inter-college competitions for projects, Tech Debates, and Tech quizzes. He was awarded the Best Outgoing Student, Best Academic Performance, and Gold Medal from Symbiosis International University. He then began working as a Business Research Analyst at WNS Knowledge Services.

After that, he pursued an MBA in Information Technology Business Management from the Symbiosis Centre for Information Technology. He also won awards during his post-graduation years, namely the President's and Director's awards, for exemplary performance in college placement activities.

After this, he joined Tech Mahindra, where he worked for 5 years, starting out his move to Munich. He left Tech Mahindra as a Regional Manager to join HCLTech as the Sales & Strategic Business Development Director. After HCLTech, he finally joined Accenture.

Mr. Uday has over 16+ years of diverse corporate experience in different tech industries, where he was even responsible for Sales & Business acquisition with transactions greater than \$100 Mn in Continental Europe across Industry verticals.

Mr. Abhishek was led to success by a consistent analytical mindset and a keen interest in learning new technology. We're incredibly proud to name him this month's Star Alumni!



Our Team



Prof. Vidyavati Ramteke

Graphic Designing Team



Senior



Junior

Social Media Team



Senior

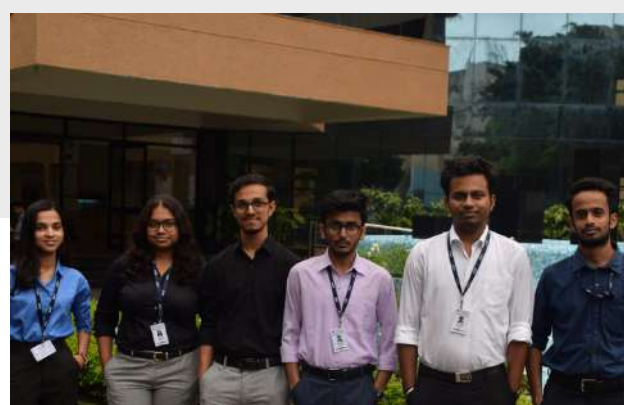


Junior

Blogging Team



Senior



Junior

Video Editing Team



Senior



Junior

Photography Team



Senior



Junior

Web Development Team



Senior



Junior