

**Alumni**  
**Guest Lecture on**  
**Career Development in IT Sector**

**30<sup>th</sup> April 2022**

**Organized by Department of Computer Science & Engineering**

**Participants:**

**III Year B.Tech – Computer Science & Engineering Students – MITS**

**Resource Person: Mr. K. Ashok Kumar, Senior Software Engineer, American Express, Bangalore (MITS-Alumni)**



**Ashok Kumar**  
Senior Software Engineer  
American Express

More than 4 years of experience in IT world who excelled in developing end to end web applications. Proficient in design and development of highly scalable apps with millions of traffic requests in cloud and non cloud environments.

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A Guest Lecture on “**Career Development in IT Sector**” was organized by the Department of Computer Science & Engineering for III B. Tech students.

The inauguration of the Guest Lecture was started at 11:00 A.M in Seminar Hall – B , the dignitaries were Dr.R. Kalpana, HoD-CSE, Mr.Ashok Kumar, Senior Software Engineer, American Express, Bangalore, Dr.Ramesh Reddy, Alumni Relation Officer.

The lecture was started with opening remarks by, Dr.R. Kalpana who thanked Management for this great initiation of creating an opportunity to invite the Alumni members of the institute and enabling them to interact with the students and enlightening them with the current developments in the corporate world. Dr.Ramesh Reddy has shown pleasure and promised to conduct many more lectures in future for the benefit of the students.

Mr. BSH. Shayeez Ahamed has introduced about the speaker and invited him to share his valuable experiences to the students. The number of students participated in the lecture were around 180.

After inaugural session, the main session was started at 11:30 A.M, Mr. Ashok Kumar explained about Career Development.

### **Why Career development in IT Sector?**

Obviously that every employee need successful career path and career development, which is basically about job promotion and training. It is apparently that all of companies or organization has career development for their staff. In general, many of us think about the ways that the employer should take in consideration in order to let staff have opportunity to improve working skills. However, in many industries, the career development schemes are pretty much the same except several type of business that has different approach available to staffs.

Let me take you to the type of business, which is very important industry in the world, It and technology industries. As we can see that this industry is very different from others. Normally

we can see that many types of business have clear picture of career promotion and training for employees. But for IT industry, they normally have more than what other business has. That is, they may have more attractive scheme for welfares and remunerations for staff who perform excellent job. The reason behind this because IT industry is very important to the company success as we can see now IT and technology has ruled the world, many traditional business has turned out to have IT function for their sell and service, and the consequence is employees in IT field are very expensive and many of IT company trying to keep the valuable staff to stay with them as long as they can, otherwise these staffs will be collected by other company which sometimes are major competitors.

However, career development in IT industry is not only concern to staff's benefit, but also include mentoring and training to ensure that the staffs are up to date and obtain the skills which will be beneficial to individual and to the company. Apart from that, job promotion is also very important. Every member of staff if they have very exceptional performance or has one-of project achievement should also deserve to get promotion in order for them to have success career path.

As IT is very important, staff in the industry themselves seem want to keep learning all the time. Many large organizations in IT such as IBM, Microsoft or Google have many kind of learning scheme available for employees in many forms. It could be self-learning approach, which allow their staff to learn by themselves as well as having mentor programmers available for whom want to get advice, especially for the new staff who want to kick of career with confidence. In terms of remuneration package, it is widely known that IT industry invest al lot of money on IT hardware and software technology, but the fact that pay much large amount of money to develop their human resources. This is a good indicator of what IT companies see important of human resource investment.

As mentioned earlier is IT career is somehow different from other industries, especially for remuneration package and self-development programmer. May be the reason for this is they want to keep the staff as long as they can to ensure that they maintain confidentiality of business to the competitors.

## **IT Career Growth: The Hottest Areas of Technology for Career Changers**

No matter where you start in IT or in which capacity, there are countless opportunities for career growth. IT provides some of the best careers for moving up the ladder and expanding professionally. If you want to benefit from the growth opportunities that careers in information technology offer, the key is committing yourself to expanding your knowledge, reaching your career goals and contributing to the success of your company. In IT careers, oftentimes, the more versatile you are, the more valuable you're viewed as by your employer. If you're in the process of transitioning into a career in IT from another industry, you may be curious about what you can do to set yourself up for IT career growth and promotions once you're hired.

### **How to Upskill in IT**

Learning, training and experience can take you to new places and allow you to expand your horizon to open the doors to new jobs. And, throughout your career in IT, you may gain experience in a variety of areas. If you start out as a help desk technician, you may end up a network specialist. Or, a network specialist may ultimately become a programmer after gaining certain skills on the job. Opportunities to find your niche abound once you get your foot in the door.

First, before you even start applying to jobs, it's a great idea to look into self-study options to begin acquainting yourself with the essentials of how computers work. Look into computer science MOOCs from major universities, which are free on sites like [edX](#).

Once you've explored education options on your own and have picked up key skills, you may want to get certifications that validate the skills you have in key areas, like hardware, security or network architecture. For most IT professionals, having networking and cybersecurity knowledge are a must, even if typical job duties don't include hands-on work with networks and keeping systems secure on a regular basis. Foundational knowledge of how to prevent and combat cyber-attacks and how to best use wired and wireless networks makes you more versatile and valuable to employers.

## **Tech Support**

Tech support professionals help companies and their employees deal with computer issues, troubleshoot and get more out of the technology they use.

Below are some common job titles in tech support:

Help desk technician

Desktop/network support technician

IT service desk technician

Technical support engineer

If you enjoy helping people, breaking down complex concepts into layman's terms and figuring out solutions to problems, you might thrive in a tech support role. Most companies employ tech support workers, and from a specialist role, you could move into a manager or director role overseeing a team. There are a lot of jobs out there for you if you decide tech support is up your alley, as well as the opportunity for promotion and steady pay raises.

## **Servers, Architecture and Networking**

Careers that involve working with servers, network architecture and networking involve duties like supporting network connectivity and equipment, creating protocols for use of network tools, troubleshooting network tools and working to configure network systems to ensure security, stability and performance.

Below are some common job titles in this area of tech:

Server administrator

IT administrator

Systems administrator

Network infrastructure administrator

If you enjoy problem solving and working on teams and have strong attention to detail, you might enjoy a networking job. Positions start at the junior level and allow for promotion to the senior or director level. Career growth typically requires both years of experience in a junior role and advanced training and certification.

## **Cybersecurity and Analytics**

A day in the life of someone who works in cybersecurity or security analytics includes duties like performing security reviews on networks, integrating new safety features into existing technology, designing cybersecurity protocols and using forensic tools to identify security vulnerabilities and threats.

Below are some cybersecurity job titles:

- Cybersecurity engineer
- Cybersecurity analyst
- Information security analyst
- Cybersecurity manager

If you have an analytical mind and think it'd be exciting to stop hackers in their tracks, cybersecurity might be a great fit for you. Depending on how much technical prowess a position requires, cybersecurity jobs can pay exceptionally well. Additionally, there are often ample opportunities take on director and manager roles in cybersecurity.

## **Cloud Computing**

An information technology career in cloud computing involves helping organizations make cloud technology more scalable, reliable and secure. They also identify and solve issues with cloud technology.

Below are some job titles in cloud computing:

- Cloud operations engineer
- Cloud infrastructure specialist
- Cloud support representative

Cloud computing has been steadily revolutionizing the way companies share information and will continue to be a major player in the tech sector. As such, the pool of available cloud computing jobs will continue to grow. The more advanced your knowledge of cloud computing, the more opportunities you'll have for career growth and promotion. Entry-level cloud careers often require Linux/Unix familiarity.

## **Development and Coding**

Developers and coders use programming languages to create digital products like apps, websites, software, etc. Their jobs differ slightly based on where they work and what products they're creating or improving. They also differ based on the programming languages used.

Below are some common job titles:

- Front-end developer
- Full-stack web developer
- Back-end developer
- Software developer

If you're creative/innovative, you love to learn new things and you like to solve issues using trial and error, a coding career could be an excellent match. The more programming languages you know and experience you have developing a wide variety of digital tools, the more opportunities you'll find for growth in this area.

## **Database**

Database information technology careers involve creating and storing procedures in databases, working in database management systems, troubleshooting database issues, testing database systems and designing and organizing how information is stored in databases.

Below are some job titles:

Database administrator

Database engineer

Database programmer

Database software specialist

If you think designing databases, troubleshooting and managing digital information in a highly organized way would come naturally to you, you may be perfect for a career in this area of technology. Companies hire database specialists at the junior, senior and director levels, so career growth is a definite possibility.

## **Web Design**

While front-end developers use code to control how websites function, web designers use code like HTML and CSS to dictate the visual features of websites and apps. Their jobs can also involve the use of graphic design tools like Photoshop.

Below are some web design job titles:

UI web designer

Web/graphic designer

Web development project manager

If aesthetics and creativity matter to you and you want to create beautiful digital products, consider web design. Web designers can build their portfolios and become top players in their field with high earning potential.

## **Project Management**

Careers in technology that involve project management entail overseeing IT teams and tech projects to achieve business goals. Project managers set the timeline for projects, establish goals for team members and control things like the budget and scope of projects.

Below are some job titles:

IT project manager

IT and special systems project manager

IT project coordinator

If you have natural leadership skills, refined communication abilities and business acumen, project management could be ideal. Project managers must have both technical skills and excellent people skills, and people who have both are highly sought after and rewarded with chances to grow in their IT careers.

IT career growth is always on the horizon for professionals who want it. In all of the popular areas of technology we've mentioned above, and in those that didn't make our list, the more you're willing to learn and improve, the better your chances will be for promotion. A commitment to knowledge and getting better at what you do are the keys to career growth in IT. If that sounds good to you, take our free career quiz to see if IT is a good fit for your next career.

The session is completed at 12:30 P.M, and he clarified the queries of enthusiastic young minds with a great zeal during the interaction time.

The resource person was honored by a token of respectable appreciation by Dr.R. Kalpana HoD-CSE, Dr.Ramesh Reddy, Alumni Relation Officer and all faculty members of the department.

**Vote of Thanks:** Mr. BSH. Shayeez Ahamed proposed a vote of thanks to Resource person, HOD and Alumni Relations Officer for attending the function. He extended his thanks to the Principal, and the Management for their support to conduct the training.

## మదనపల్లి మిట్స్ లో అంతర్జాతీయ అవగాహన సదస్సు



**అనుదిన వార్త న్యూస్ బ్యూరో తిరుపతి**  
 మదనపల్లి ఇన్స్టిట్యూట్ ఆఫ్ టెక్నాలజీ అండ్ సైన్స్, మదనపల్లి కళాశాల నందు సి.వి.ఈ విద్యార్థులకు “ కెరీర్ డెవలప్మెంట్ ఇన్ ఐటీ సెక్టార్ “ పై అవగాహన సదస్సును నిర్వహించినారు. ఈ కార్యక్రమానికి ముఖ్య అతిథిగా కళాశాల పూర్వపు విద్యార్థి కె. అశోక్ కుమార్ పాల్గొన్నారు. కె. అశోక్ కుమార్, అమెరికన్ ఎక్స్ప్రెస్ లో సీనియర్ సాఫ్ట్వేర్ ఇంజనీర్ గా పనిచేస్తున్నారు. కార్యక్రమం లో ఆయన మాట్లాడుతూ విద్యార్థులకు ఐటీ రంగం లో పుష్కలంగా ఉద్యోగ అవకాశాలు ఉన్నాయని, సకాలంలో వాటి ఉపయోగించు కోవాలని అన్నారు. విద్యార్థులు వారి బి.టెక్ రెండు మరియు మూడవ సంవత్సరములో నే మంచి ఐటీ కంపెనీలలో ఇంటర్నిష్ చేయాలనీ, అది వారి కెరీర్ లో ఎంతో ఉపయోగం అని అన్నారు. ఇంటర్నిష్ లో ప్రతి విద్యార్థికి పరిశ్రమంలో జరిగే టెక్నాలజీ లపై మరియు కమ్యూనికేషన్ పై అవగాహన పెంచుకోవచ్చని, అందులో ట్రైనింగ్ తో పాటు రియల్ టైం ప్రాజెక్ట్ చేయుటకు మంచి అవకాశం అన్నారు. ప్రస్తుతం ఆర్టిఫిషిల్ ఇంటెలిజెన్స్ మరియు డేటా సైన్స్ రంగాలలో ఉద్యోగ అవకాశాలు మెరుగుగా ఉన్నాయని ఆయన అన్నారు. ఈ కార్యక్రమం లో విభాగాధిపతి డాక్టర్ కల్పన అమ్మిని కోఆర్డినేటర్ రమేష్ రెడ్డి అధ్యాపకులు మరియు విద్యార్థులు పాల్గొన్నారు.

## కెరీర్ డెవలప్‌మెంట్ ఇన్ ఐటీ సెక్టార్‌పై అవగాహన సదస్సు

**ప్రజాశక్తి-మదనపల్లె అర్బన్**

మదనపల్లె ఇన్స్టిట్యూట్ ఆఫ్ టెక్నాలజీ అండ్ సైన్స్, మదనపల్లె కళాశాలలో సీఎఇ విద్యార్థులకు కెరీర్ డెవలప్‌మెంట్ ఇన్ ఐటీ సెక్టార్‌పై అవగాహన సదస్సును నిర్వహించారు. కార్యక్రమానికి ముఖ్య అతిథిగా కళాశాల పూర్వపు విద్యార్థి కె.అశోక్‌కుమార్ విచ్చేశారు. అశోక్‌కుమార్, ఆయెరి కన్ ఎక్స్‌ప్రెస్‌లో సీనియర్ సాఫ్ట్‌వేర్ ఇంజనీర్‌గా పనిచేస్తున్నారు. ఆయన మాట్లాడుతూ విద్యార్థులకు ఐటీ రంగంలో పుష్కలంగా ఉద్యోగ అవకాశాలు ఉన్నాయని, సకాలంలో వాటి ఉపయోగించుకోవాలని అన్నారు. బి.టెక్ రెండు, మూడవ సంవత్సరంలోనే మంచి ఐటీ కంపెనీలలో ఇంటర్వీవ్ చేయాలని, అది వారి కెరీర్‌లో ఎంతో ఉపయోగమని చెప్పారు. ప్రస్తుతం ఆర్టిఫిషియల్ ఇంటెలిజెన్స్, డేటా సైన్స్ రంగాలలో ఉద్యోగ అవకాశాలు మెండుగా ఉన్నాయని తెలిపారు. కార్యక్రమంలో విభాగాధిపతి డాక్టర్ కల్పన, అల్మీని కోఆర్డినేటర్ రమేష్ రెడ్డి అధ్యాపకులు, విద్యార్థులు పాల్గొన్నారు.



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[epaper.prajasakti.com/c/679](http://epaper.prajasakti.com/c/679)

