

# Report on Webinar based Tech Talk #5

**Date & Time:** April 26, 2020 from 11:00 AM to 12:30 PM

**Description:** To demonstrate “Robotic Process Automation”

IEEE Computer Society Ideate team, Hyderabad Section organized a webinar-based Tech Talk on the Topic **Robotic Process Automation**. Mr. Balaprasad Peddigari, the Secretary of the IEEE Hyderabad Section hosted the webinar with 250 delegates and appreciated their interest.

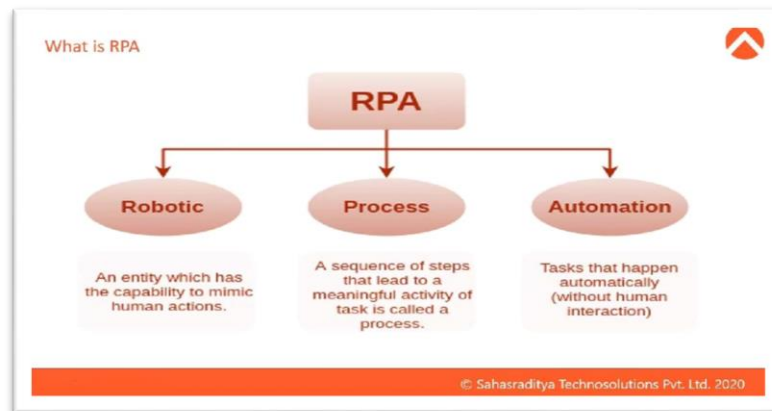
Mr. Saikumar Tara introduced Mr. S. Yadunandan to the audience and briefed about the speaker for the webinar. Mr. Yadunandan is the Chief Strategy Officer and Co-founder of **OneAutoMax RPA** and **The Sahasraditya TechnoSolutions Pvt. Ltd.** He has an experience of more than 18 years in the IT industry with an expertise in RPA, AI, ML, BlockChain, IoT and Data Science. There could've been no better person than Mr. Yadunandan for the webinar as his experience and expertise in the field of robotics proved to be an inspiration for the students with tonnes of takeaways.

Mr. Yadunandan started the session by sharing his knowledge on Software Development in various Industries and strategies and the Automation Process in SDLC along with the importance of Robotic Process Automation covering five major sub-topics that is usually performed.

1. Evaluation of RPA
2. Macros and Scripts
3. Business Process Automation (BPA)
4. Robotic Process Automation (RPA)
5. Intelligent Process Automation (IPA)

The webinar included topics like Test Automation and RPA, RPA Implementation methodology, Applications of RPA and Benefits of RPA.

Mr. Yadunandan started on the first topic Evolution Of RPA and the purpose of RPA, transfer the process execution from humans to bots. Robotic automation interacts with the existing IT architecture with no complex system integration required. The main goal of Robotics process automation process is to replace repetitive and boring clerical task performed by humans, with a virtual workforce.

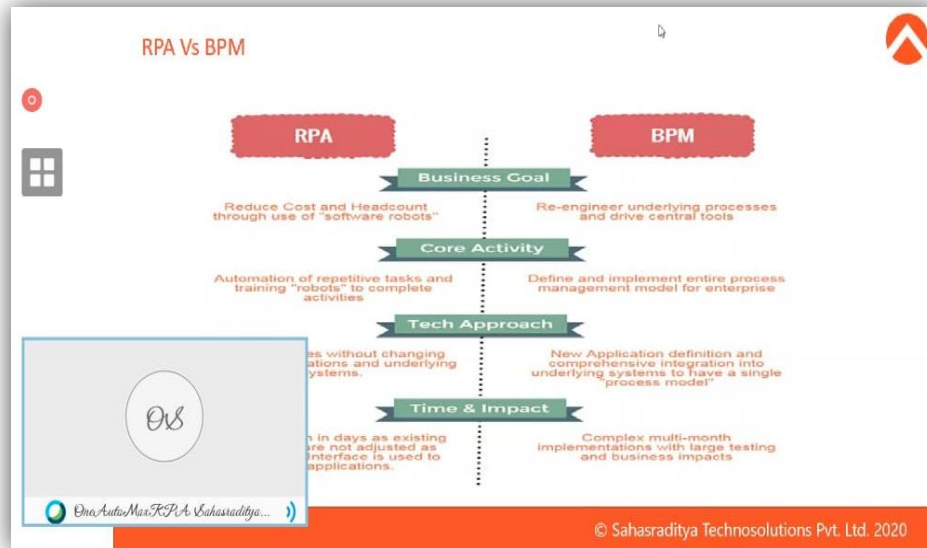


Mr. Yadunandan continued the second topic as Macros and Scripts. Macros are used to make a sequence of computing instructions available to the programmer as a single program statement, making the programming task less tedious and less error-prone



Mr. Yadunandan explained about Business Process Automation (BPA). Business process automation, also known as business automation or digital transformation, is the technology-enabled automation of complex business

processes. It can streamline a business for simplicity, achieve digital transformation, increase service quality, improve service delivery, or contain costs.



Mr. Yadunandan explained the differences between Business Process Automation (BPA) and Robotic Process Automation (RPA).

He handled the session on the Robotic Process Automation (RPA). RPA has Implementation methodology of the following steps Planning, Development, Testing, and Maintenance Support. RPA has Advantages like Large numbers of the process can easily have automated, Cost are reduced significantly as the RPA takes care of the repetitive task and saves precious time and resources, Programming skills are not needed to configure a software robot. Thus, any non-technical staff can set up a bot or even record their steps to automate the process, Effective, seamless Build & Release Management, Real-time visibility into bug/defect discovery.

Mr. Yadunandan has explained the Intelligent Process Automation and Logic building Algorithms and Types of Robots like Un-Attended/Autonomous and Attended/Assistive Robot. and Front Office Bots and Back Office Bots briefly.



## Conclusion:

The webinar ended with Mr. Balaprasad Peddigari presenting a Vote of Thanks to Mr. Yadunandan and his students for their time and all the delegates for showing interest in learning new things. The Delegates learned in detail about the topics like RPA, BPM, Macros and Scripts, Intelligent Process Automation (IPA) and its applications and usages.

