

Report for One Day National Level Workshop on “Automations in IT”

Conducted on 28th August 2024

**Organized by School of Computer, Information and Mathematical Sciences (SCIMS)
Department of Computer Applications**

Conveners

1. Dr.Sharmila Sankar, Dean(SCIMS)
2. Dr. M. Syed Masood, HoD/CA

Coordinators

1. Dr.R.Shanthi, AP / CA
2. Mrs.S.Sabaria, AP / CA
3. Dr.M.Deepika, AP / CA

Event Details

The Department of Computer Applications, under the School of Computer, Information, and Mathematical Sciences, organized a one-day national-level workshop titled "Automations in IT" on August 28, 2024, from 2:00 PM to 4:00 PM at CIIC Seminar Hall, Crescent Campus.

The workshop featured Mr. Neechalkaran S. Raja Raman, Technology Lead at Infosys, Chennai, as the resource person.

The report discusses about the following aspects of the programme:

Introduction

- On August 28, 2024, the Department of Computer Applications hosted a one-day national-level workshop on "Automations in IT."
- The event was coordinated by faculty members Dr. R. Shanthi, Mrs. S. Sabaria, and Dr. M. Deepika.
- The workshop was led by Mr. Neechalkaran S. Raja Raman, a Technology Lead at Infosys with 15 years of IT experience, specializing in DevOps and NLP. He is a major contributor to Tamil Wikipedia, has developed AI and Tamil NLP tools, and serves on the editorial board of Valaitamil Magazine. He also co-chairs the Tamil Technology Committee of SICCI and has received the Tamil Government's Chief Minister's Tamil Computing Award for his contributions.
- The workshop was attended by 177 students, including 65 external participants and 112 internal participants, from various undergraduate and postgraduate disciplines across different states of India.

The workshop focused on the following key takeaways:

- ❖ Understanding the fundamentals of automation and its significance in IT.
- ❖ Differentiating between various types of automation, such as process automation, IT automation, and business automation.
- ❖ Exploring the benefits of automation, including increased efficiency, reduced errors, and cost savings.
- ❖ Overview of technologies enabling automation, such as Artificial Intelligence (AI), Machine Learning (ML), and Robotic Process Automation (RPA).
- ❖ Evaluating the strengths and use cases of different automation tools and technologies.
- ❖ Insights into how automation is shaping the future of industries and the potential challenges and opportunities.
- ❖ Demonstration of real-world automation use cases in IT operations and software development.
- ❖ Case studies showcasing successful automation implementation and their outcomes.
- ❖ Learning from practical examples of automation in action, including process optimization and resource management.

Presentation and Delivery

- ❖ The presentation and demonstration sessions during the workshop were well-structured

and highly informative.

- ❖ Mr. Neechalkaran S. Raja Raman, the resource person, delivered the topics with clarity and precision.
- ❖ He began by introducing popular automation tools and platforms, such as Selenium, Ansible, Jenkins, Puppet, and Docker.
- ❖ He also explored emerging trends in automation, including hyperautomation, AI-driven automation, and the growing popularity of no-code/low-code platforms.
- ❖ The discussion highlighted the impact of automation on job roles, skill requirements, and IT infrastructure. Visual aids like images, videos, and diagrams were effectively used to enhance comprehension and sustain engagement.

Audience Engagement

- ❖ The workshop was highly successful, with enthusiastic participation from both external and internal attendees. Participants actively engaged by asking questions and which helped clarify concepts and fostered a dynamic exchange of ideas.
- ❖ The live demonstrations of NLP tools, particularly those useful for IT automation such as ChatGPT and GPT-4 (OpenAI), Dialogflow (Google Cloud), and Rasa kept participants interested and offered valuable insights.
- ❖ The audience shared their experiences and discussed the challenges faced in the field of IT automation, contributing to a more enriched discussion.

Conclusion

- The workshop laid a strong foundation in the fundamental concepts of IT automation, emphasizing its role in modernizing and enhancing operational efficiency.
- Attendees gained valuable insights into various automation tools and technologies, learning about their applications and advantages in diverse IT contexts.
- The session shed light on the latest trends in IT automation, equipping participants with knowledge to navigate the future landscape of the industry.
- Practical demonstrations of automation use cases showcased real-world applications, allowing participants to see the tools in action and understand their practical benefits.
- The workshop inspired participants to further explore and adopt automation technologies to improve their workflows and maintain a competitive edge in a rapidly changing IT environment.
- With interactive sessions, engaging discussions, and live demonstrations, the workshop provided an enriching experience for all attendees.

The Brochure highlighting the necessary information about the Workshop on “Automations in IT” was designed and circulated. The Brochure is displayed below:

40 YEARS OF ACADEMIC EXCELLENCE **nirf** **A+** **Crescent** Institute of Science & Technology
AN ISO 9001:2015 CERTIFIED INSTITUTION

School of Computer , Information and Mathematical Sciences
Department of Computer Applications

One Day National Level Workshop on
AUTOMATIONS IN IT

Resource Person
Mr.Neechalkaran S. Raja Raman
Technology Lead at Infosys

Date : Wednesday, 28th August 2024
Venue : CIIC Seminar Hall, Crescent Campus
Timming : 2.00 PM - 4.00 PM

Highlights of the Workshop

- ★ Introduction to Automation Concepts
- ★ Key Tools and Technologies Overview
- ★ Future Trends in IT Automation
- ★ Live Automation Usecases

Co-ordinators
Dr.R.Shanthi, AP/CA
Mrs.S.Sabaria, AP/CA
Dr.M.Deepika, AP/CA

Conveners
Dr.Sharmila Sankar, Dean/SCIMS
Dr.M.Syed Masood, HoD/CA

Neechalkaran S. Raja Raman, a Technology Lead at Infosys with 15 years of IT experience, specializes in DevOps and NLP. A key contributor to Tamil Wikipedia, he has developed AI platforms and Tamil NLP tools. He is an editorial board member of Valaitamil magazine and co-chairs the SICCI Tamil Technology Committee. He received the Tamil Nadu Government's Chief Minister's Tamil Computing Award.

Who can attend ?
Undergraduate students / Postgraduate students / across all disciplines from various education institutions / Colleges / Universities

SCAN TO REGISTER

Registration Fee : ₹100
(Including registration kit & Refreshments)
E - Certificate will be provided
UPI ID : aneesabdul262@okicici

SCAN TO PAY

Last Date for Registration: 26/08/2024

Contact Details : +91 63833 18464, +91 93634 70547

Attached are some pictures of the workshop, showcasing the engaged audience and the speaker's presentation slides.






