

TECHFEST 2021-22

UIPATH AUTOMATATHON

INTRODUCTION

Robotic process automation (RPA) is a set of software technologies that make it easy to build, deploy, and manage software robots that emulate human actions when interacting with digital systems. Just like people, software robots can do intelligent things - like understand what's on a screen, complete the right keystrokes, navigate systems, identify and extract data, and even apply advanced machine learning models to make complex decisions. It's no wonder RPA is leading the fourth industrial revolution, with UiPath at its frontlines!

TASK

Participating teams must develop end-to-end RPA solutions in one of the following three categories using **UiPath products**. You will be provided with training sessions for all the relevant tools.

PROBLEM STATEMENT

More and more companies are going digital day by day. With digitization, the biggest advantage is the speed of execution. It is a vast field with a plethora of unexplored use cases. You must recognise such a salient use case from the following:

- **Automation In Education:** Ponder how efficient end-to-end automation can be brought into the education sector. Your selected use case must benefit the community regarding quality, efficiency or both. Possible use cases may include automating the assessment and evaluation process.
- **IoT and RPA:** While IoT is revolutionising the way we collect data, integrating it with RPA can crunch big data and provide feedback with incredible speeds and accuracy. Ideate on how you can use robotic process automation to make use of the data fetched by these devices competently and develop intelligent, reliable and accurate decisions.
- **Technology Integrations:** One of the reasons why RPA is so promising is how seamlessly it can be integrated with other technologies dominating digitisation. Explore how RPA can be amalgamated with:
 - Machine Learning
 - Cloud Technology
 - Augmented Reality
 - Virtual Reality

UiPath Platforms

Once you have selected a use case and identified the problem you wish to tackle, select the tools that you will be using to do so from the following. You must use at least two of them while creating workflows for your solution:

[UiPath Studio](#): An advanced automation software that gives everyone, from business users to advanced RPA developers, the right automation canvas to build great software robots.

[UiPath Orchestrator](#): This is the heart of your automation management. It gives you the power to provision, deploy, trigger, monitor, measure, and track every robot. You can manage everything from your browser – or your mobile device.

[UiPath AI Center](#): This operationalizes AI and makes it easy to deploy, manage, and continuously improve machine learning (ML) models. Simply drag and drop ML models into your automation workflows, and start automating cognitive processes. No data science background is required!

[UiPath Document Understanding](#): Wouldn't it be great if software robots could understand documents? To extract, interpret, and process data for you, even from PDFs, images, handwriting, and scans? UiPath Document Understanding helps your robots do just that.

[UiPath Apps](#): Your awesome automation deserves a user-friendly app interface. Create low-code apps to connect all your browser tabs and legacy software, even if they don't have APIs. Build apps in a snap, deploy with a click, and give your automation a UX-friendly home.

Note: The idea that you submit must not be available as a solution or component on the UiPath Marketplace. (However, you may extend an existing solution - for example, a connector for Salesforce but with enhanced functionalities beyond the connector already available in the Marketplace.)

RESOURCES

UiPath provides a complete ecosystem for developing RPA solutions, with an active community to discuss ideas, workflows, and challenges. These resources are designed keeping the end-users and their requirements in mind.

[UiPath Automation Cloud](#) - A free, end-to-end automation platform, everything you need to build and manage automation.

[UiPath Academy](#) - A free global training resource for developers, project managers, and other RPA practitioners

[UiPath Forum](#): Find the solution, ask questions, help others, and stay up to date.

[UiPath Community](#): Connect with peers on the latest knowledge on automation and AI.

Your progress and involvement on the above will be noted.

RULES

- Every team has to **register online** on the Techfest [website](#) for the competition. A **Team ID** will be allocated to the team on registration which shall be used for future references.
- A team can register at any point of time before **30th October 2021** and submit the final abstract and video (as mentioned in the [structure](#)).
- The decision of the organisers and/or judges shall be treated as final and binding on all. Techfest has all the rights to verify the identity and accuracy of the details provided by the participants.
- Techfest, IIT Bombay will hold no responsibility for any late, lost or misdirected entries.
- The idea presented by the teams should be original (not protected by patent/copyright/technical publication by anyone else).
- Note that at any point in time the latest information will be that which is on the [website](#).
- All modes of official communication will be through the **Techfest e-mail**.

JUDGING CRITERIA:

Technology	How effective and efficiently designed is your solution? How seamless is the implementation?	30%
Concept	How innovative and disruptive is the idea?	30%
Completion	How complete is the solution? Have you delivered what you wanted to? How bug-free is your solution?	20%
Presentation	How well defined is your problem statement? How well thought is your idea? How precise is your presentation?	10%
Enablement Session	Attendance in enablement sessions. Given as a percentage of sessions your attendance was noted in, from the date of registration(counted for 51% of the team)	5%
Academy Course Completion	Minimum 2 participants from each team must complete a course on UiPath Academy on the products listed above for full credit	5%

TIMELINE

Registration Opens for all	5 September
Enablement Sessions Start	3 October
Last Date for Registration	30 October
Abstract Submission Deadline	30 October
First Round Results	7 November
Final Submission	9 January

STRUCTURE

ROUND 1: ABSTRACT SUBMISSION

Participants have to submit a complete abstract with details of their solution: The qualifying teams will be eligible for the final round to be conducted in Techfest 2021-22. The Abstract must consist of the following:

- Succinct Definition of the Problem addressed
- Your idea as a solution to the Problem defined
- Beneficiaries (target audience)
- UiPath Products you aim to use in your solution
- Unique Selling Points (USPs) of your solution

Submission Details

- The abstract must be submitted in PDF format.
- The Abstract and this folder must be sent via email to automatathon@techfest.org.
- Subject of the mail: **"Automatathon_TeamID"**
- Filename of the abstract PDF: **"Abstract_TeamID"**
- Mention your team details clearly in the mail.

The Abstract submission round is a soft selection round just to gauge the novelty of your idea and the progress you have made. However, it is necessary to submit the abstract before the deadline to qualify for the second round of the competition, which will include the final report submission

Last date for Abstract Submission is **30th October, 2021**.

ROUND 2: REPORT SUBMISSION AND FINAL PRESENTATION

This is the final round of the competition. Participants will be required to submit the following:

- Project Files / WorkFlow
- Presentation (no longer than 10 slides) - the hackathon presentation template will be provided by Techfest, IIT Bombay.
- Business Use Case + Solution Video (no longer than 10 minutes)
- Additional Scripts (if applicable)

This will be followed by the presentation in front of the judges panel. The winning team will be declared based on the highest score considered in the judging round, as per the judging criteria.

TEAM SPECIFICATIONS

- A team may consist of a maximum of 4 members.
- Students from different educational institutes can form a team.

Eligibility: All students with a valid identity card of their respective educational institutes are eligible to participate.

PRIZE

The prize money will be awarded to top 3 winners via **NEFT** and will be processed within 30 working days after receiving the prize money from sponsors. Top 10 participants will get a certificate of excellence, and top 60% participants will get a certificate of participation. Winners have to mail the following information (immediately after the announcement of results) to kunal@techfest.org.

Format of Mail

Subject: Automatathon , Team Id, Position (example - Automatathon, AT211003, 1st Position)

Body of mail

1. Account Holder's Name
2. Account Number
3. Bank name and Branch name.
4. IFSC Code
5. Photograph of Bank Passbook as proof.