

### Circular



# Department of computer Science & Information Technology

### CIRCULAR

#### Ref. no.: AJU /CS&IT/2022-23

#### Date: 28-03-2023

This is hereby notified to all the students that the Department of computer Science & Information Technology, School of Engineering and IT, ARKA JAIN University, Jharkhand is going to organized the Value Added Course On "Process Automation Using UiPath – Basic to Advanced" from 3rd April, 2023 to 22nd April, 2023 for all students of the university. It is suggested that students enroll for the session before the end of 2 April 2023.

The registration link is as follows: https://forms.gle/gZmzMSW3rm43rsS37

The registration link is open till 4 PM on April 2, 2023.

Arviel Paday

Dr Arvind Kumar Pandey Head, computer Science & IT School of Engineering and IT ARKA JAIN University

Copy for information & necessary action please:

- PS to Hon'ble Vice-Chancellor
- PS to Director
- PS to Registrar
- In charge for AJU Website
- Notice boardGuard File
- ouald File



## VALUE ADDED COURSE ON "PROCESS AUTOMATION USING UIPATH – BASIC TO ADVANCED"

Date of Event	3rd April – 22nd April, 2023
Name and Type of Event	Value Added Course on "Process Automation Using UiPath –Basic to Advanced"
	Convenor: Dr. Arvind Kumar Pandey
Conducted by Coordinator: Mr. Debanjan Ghosh	
No. of Participants	60

## ABOUT THE EVENT:

The value-added course "Process Automation Using UiPath - Basic to Advanced" took place at our university campus in Gamharia from April 3 to April 22, 2023. The event was organised by Debanjan Ghosh from the Department of Computer Science and IT, School of Engineering and IT, ARKA Jain University in Jamshedpur, Jharkhand.

## **OBJECTIVE:**

The objective of the Value Added Course on "Process Automation Using UiPath – Basic to Advanced" is to provide participants with a comprehensive understanding of Robotic Process Automation (RPA) and proficiency in using UiPath, a leading RPA tool. Through hands-on training and real-world projects, participants will learn to automate business processes efficiently and effectively. The course aims to cover fundamental UiPath concepts, advanced automation techniques, and best practices for developing robust solutions. By the end of the course, participants will be equipped to identify automation opportunities, design automation workflows, and integrate UiPath with other systems, contributing to increased productivity and streamlined processes in various industries.

## Benefits for students include:

- Enhanced employability and career prospects in the growing field of Robotic Process Automation (RPA).
- > Practical skills and proficiency in using UiPath, a prominent RPA tool.
- Ability to automate repetitive and rule-based tasks, leading to increased efficiency and reduced errors in business processes.
- Exposure to real-world automation projects, fostering critical thinking and problem- solving abilities.
- Alignment with industry trends, making students valuable assets for organizations seeking to streamline operations.
- Opportunities for earning UiPath certifications, bolstering resumes and demonstrating expertise.
- Entrepreneurial possibilities by offering automation consulting services or developing automation solutions for clients.
- Cross-industry applicability, allowing students to work in various domains, from finance to healthcare and more.



- Continuous learning opportunities to stay updated with the latest advancements in RPA and automation.
- Contribution to digital transformation efforts in organizations, making a positive impact on productivity and cost savings.

### **Venue and Participants:**

The value-added course "Process Automation Using UiPath - Basic to Advanced" was presented from April 3 through April 22, 2023, from 1pm to 3pm in room 510 of block E. Registration was open prior to the event from March 28 until April 2, 2023. 60 people joined up and participated in the event. Student Selection Announcement will take place at five in the afternoon on Tuesday, April 2, 2023.

Registration link was https://forms.gle/gZmzMSW3rm43rsS37. On April 3, 2023, classes started in earnest. On April 22, 2023, the vac exam began at 11:15 a.m. and was done online. The event was organised by Mr. Debanjan Ghosh from the Department of Computer Science and IT School of Engineering and IT ARKA Jain University in Jamshedpur, Jharkhand.



Poster of the Event

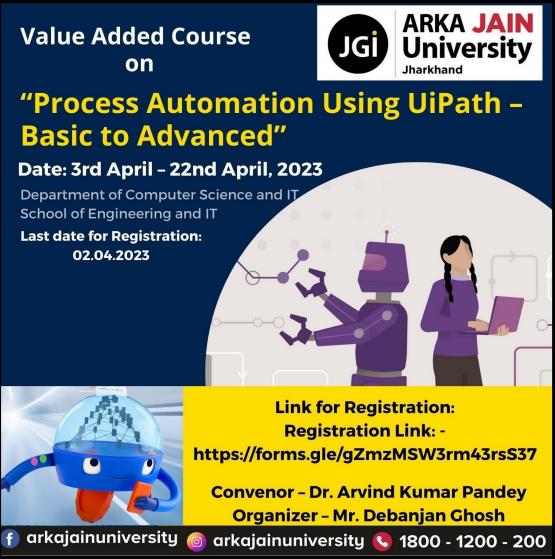


Figure 1: Poster of Process Automation Using UiPath-Basic to Advanced

### **Brochure of the Event**



ARKA JAIN University

Value Added Course On "Process Automation Using UiPath – Basic to Advanced"

Date: 3<sup>rd</sup> April – 22<sup>nd</sup> April, 2023 Department of Computer Science and IT

School of Engineering and IT ARKA Jain University, Jamshedpur Jharkhand

#### JGI

JGI Group is an education provider and an entrepreneurship incubator in India. The Group successfully operates 85 educational institutions with 51,600 students and 6,450 employees engaged at the K-12, undergraduate and postgraduate levels spread across 64 campuses pan India. A leader in the education sector and a pioneer in the venture sector, JGI Group are constantly in search of new opportunities to expand its horizon.

#### ABOUT ARKA JAIN UNIVERSITY

An academic institute ought to set its vision of high noted academic, intellectual and entrepreneurial development. ARKA JAIN University (AJU), Jamshedpur is committed to human development at all levels through education and entrepreneurship. It provides quality education thereby creating human assets for the nation and the globe as well. AJU is a premier private university of Jharkhand with a venerable legacy of the JGI group sprinting ahead for national acclamation for noted academic standards, diverse educational programs, distinguished faculties, varied co-curricular activities and state-of-the-art infrastructures. The University is on the way to sustain the acclaimed standards and best practices in higher education. It is committed to nation building and unflinching adherence to universal university human values. The sprawling university spreads across 25 acres of lush green land leaving no stone unturned in providing state-of-the-art facilities in various sectors including education, sports, entrepreneurship, research, and other academic ventures. The campus of the University is situated at Mohanpur, Gamharia, Dist: Seraikela – Kharsawan, 13 km from the steel city, Jamshedpur. Popularly known as Tatanagar, named after the visionary industrialist Shri J.N.Tata, founder of TATA Groups. The magnificence of the university lies in the enhancement of various courses.

#### ABOUT THE VALUE ADDED COURE

- 1. Tentative Timelines:
- Registration Opens: 28:03:2023
- Registration Closes: 02:04:2023
- Announcement of Selected Students: 02:04:2023
   Commencement of Classes: 03:04:2023
- Commencement of Classes. 05.04.2025

2. Before proceeding, students should carefully study the guidelines, annexures, and integrated instructions in the registration forms. List of students will be finalized on first come first serve basis.

3. The names of the selected students will be put up in a separate notice. A mail will also be sent to only selected students.

4. On the commencement of the course, it is mandatory for the students to attend all the classes pertaining to the course.

5. The total duration of the course shall be 30 hours. The classes will be held on second half.

6. Registered students must be with their computer/laptop/tab having internet facility.

7. Certificate will be issued only those students who will be regular in class and qualified the test.



#### ABOUT ENGINEERING & IT

AJU School of Engineering & Information Technology is established with an aim to provide quality education and entrepreneurship development. ARKA JAIN University is an intellectual destination that draws inspired students from diverse backgrounds. Bachelor of Computer Applications is a 3-year undergraduate programme. It is extended over six semesters. The primary objective of our BCA program is to provide a foundation of computing principles and business practices for effectively using/managing information systems and enterprise software. This program aids the students to get a sound understanding of Computer Applications which can give them a perfect start for a challenging career in the field of Information Technology. This program prepares students with the necessary skills to build successful careers in the information sector. The curriculum is truly tuned for the holistic development of the students and aims at nurturing them as proficient programmers and computer professionals. MCA program caters to the foundation of computing principles and business practices and to train the students to analyse problems in a wide range of applications. This program provides exposure to the students to enterprise software management methodologies. The teaching-learning include innovative pedagogies like case assignment, live projects, lab assignments, exploration of different software tools and presentation with viva voce. The MCA program methysizes on the depth of the knowledge of the recent trends and technologies in demand. The MCA program helps students in development of entrepreneurial abilities, personality development, and soft skill development throughout the course.

#### OBJECTIVES OF THE COURSE

The Value Added Course on "Process Automation Using UiPath Basic to Advanced" aims to introduce participants to the concept of Robotic Process Automation (RPA) and its significance in streamlining business processes. The course seeks to provide a comprehensive understanding of UiPath, a leading RPA tool, and its essential features. Participants will learn to create basic automation processes using UiPath, including data handling and error management. Advanced automation techniques, integration with third-party applications, and best practices for optimizing automation processes will be covered. The course also includes hands-on projects to reinforce practical skills and prepare participants for real-world challenges. Ultimately, the objective is to empower participants to become proficient in UiPath automation, fostering their potential as valuable contributors to the digital transformation of organizations.

#### COURSE OUTLINE: "Process Automation Using UiPath - Basic to Advanced"

Session	Topics	Date	Time
	UNIT: 1		
	Introduction to UIPath's Robotic Automation Framework. 1. Instructions in Installing UIPATH Community Edition. 2. Creating blank Process in UIpath for automation.	03.04.2023	1:00 to 3:00 PM

Session	Topics	Date	Time
2.	Workflow Designer Panels 2.1 – Ribbon 2.2 – Universal Search Box 2.3 – Activities Panel 2.4 – Design Panel 2.5 – Library Panel 2.6 – Project Panel 2.7 – Properties Panel 2.8 – Outline Panel 2.9 – Output Panel 2.10 – Control Panel	04.04.2023	1:00 to 3:00 PM
3.	Types of Workflows 3.1 – Sequences 3.2 – Flowcharts 3.3 – State Machines	05.04.2023	1:00 to 3:00 PM



UNIT: 2				
Session	Topics	Date	Time	
	Data Manipulation 4.1 – Variables 4.2 – Data Types and Usage 4.3 – Managing Arguments	06.04.2023	1:00 to 3:00 PM	
5.	Data Scraping 5.1- Data Scrapping and its Intelligence in extracting Data 5.2 – Examples of Using Data Scraping	08.04.2023	12:00 to 2:00 PM	
	Recording 6.1 – About Recording 6.2 – Recording Types 6.3 – Automatic Recording 6.4 – Example of Automatic Recording with Basic and Desktop 6.5 – Example of Automatic Recording with Web 6.6 – Manual Recording	10.04.2023	1:00 to 3:00 PM	

UNIT: 3				
Session	Topics	Date	Time	
7.	Advanced UI Interaction 7.1 – Input Methods 7.2 – Screen Scraping 7.2 – Data Scraping	11.04.2023	1:00 to 3:00 P	
8.	Image and Text Automation 8.1 – About Image and Text Automation 8.2 – Mouse and Keyboard Activities 8.3 – Text Activities	12.04.2023	1:00 to 3:00 P	
	Image and Text Automation with OCR 9.1 – OCR Activities 9.2 – Image Activities 9.3 – Examples for all activities	13.04.2023	1:00 to 3:00 P	

UNIT: 4				
Session	Topics	Date	Time	
	Excel & Data Tables 10.1 – Excel Activities 10.2 – Data Tables Activities 10.3 – Examples	17.04.2023	1:00 to 3:00 PM	
11.	PDF Automation 11.1 – Data Extraction from PDF 11.2 – PDF Activities	18.04.2023	1:00 to 3:00 PM	
12.	Email Automation 12.1 – Email Automation 12.2 – Email Activities	19.04.2023	1:00 to 3:00 PM	

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Session	Topics	Date	Time
13.	Debugging and Exception Handling 13.1 – Debug Workflow 13.2 – Error Handlings	20.04.2023	1:00 to 3:00 PM
14.	UiPath Orchestrator         14.1 – Orchestrator UI Interface         14.2 – Connecting the Local Robot to Orchestrator         14.3 – Managing and Stopping Orchestrator Processes         14.4 – Schedules         14.5 – Managing Logs         14.6 – Assets         14.6 – Queues	21.04.2023	1:00 to 3:00 PM
	Robotic Enterprise Framework (re Framework)         15.1 – In-depth re-framework         15.2 – Initialize Process         15.3 – Get and manage GET Transaction Data         15.4 – Processing Transaction         15.5 – Real time use case of framework	22.04.2023	1:00 to 3:00 PM

#### REGISTRATION LINK

Please register to participate in the conference by using the link: https://forms.gle/gZmzMSW3rm43rsS37

#### VISION OF THE UNIVERSITY

To be among the best of the institutions for engineers and technologists with attitudes, skills and knowledge and to become an epicentre of creative solutions.

#### MISSION OF THE UNIVERSITY

To achieve and impart quality education with an emphasis on practical skills and social relevance.

#### **RESOURCE PERSON**

Mr. Debanjan Ghosh, Lecturer in automation of robotic processes and Machine learning (with over 4 yrs. of Experience in Training Engineering Students)

#### Convenor – Dr. Arvind Kumar Pandey Organizer – Mr. Debanjan Ghosh

Address: Opp. To Kerala Public School, Mohanpur, Gamharia

Dist. Seraikela Kharsawan, Jharkhand - 832108

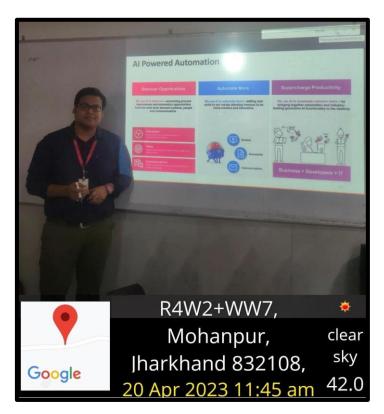
www.arkajainuniversity.ac.in

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### **Event Photo**







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## List of Participants:

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**ARKA JAIN** University Jharkhand **Attendance Sheet** Name of Event basicto VAC on Process automation Using 22nd April Adı **Date of Event** thosh Name of Coordinators Debanjan Sem./ Dept. SI. **Enrollment No** Name of the Participant E-Mail Id Whatsapp Signature No. AXIT RAJ ROSHAN Hait 31 AJU/211065 1201570796 Ras Decosition 6309 Generia 4th BCA and' my 4th BCA Singh 26935680 P4 @ gmail 9693568084 AMAN KUMAR SINGH 32 AJU/211089 **BIKRANT SINGH RAWAT** 4th BIA BSPa bikrandinghrawatistagen 766778090. 33 AJU/211107 AKSHAT AGARWAL Akshut 34 AJU/211124 4th BOA about 657, agarwel @ "com 766 RAGHVENDRA Ras 35 AJU/211134 4th BCA Rephrentroks Byrtey agnost 6204226537 Nilita NIKITA KUMARI Ath BLA mps99694 (gmay) un 8909326990 36 AJU/211135 4th BrA P. Rawan PAWAN RAWANI Prawani25@ gnall & 870 9228317 37 AJU/211193 **BISHWARUP DAS** bishwerepdaygts egmation 7979922451 38 AJU/211270 Bin 4th BCA wi walmahato 980 gmailion 8340375955 (DC-UJJWAL MAHATO 4th BLA 39 AJU/211285 Ce 466. 4 9435 Q gmail. Con 9546060257 4HBCA **BISHAL KUMBHAKAR** Bishe AJU/211294 40 SACHIN SHARMA 41 AJU/211302 4th BCD Sachibsharma 81494 Smalt can 7677157926 Section 226105257 dulle MANISH KUMAR YFABCA Manich Kinor AJU/211319 42 4th BCA ViveKKrihouhan 20 8252629918 Quek la-VIVEK KUMAR CHOUHAN AJU/211321 43 Stratish SAURABH PRAKASH 4th BCA Sourar prakash 000 @gmeil 7209353602 AJU/211379 44 panabl ASHISH PRASAD 4th BCR ashish prasod & gonal . 7982016567 45 AJU/211443 Nergai Lanon 1254 1254 9934795228 YMBCA NIRAJ KUMAR JHA Noral AJU/211446 46 K.B K RAMACHANDRAN Krishnan Jana Chandrowsegur, 9541475634 4th BCA AJU/211457 47 4th BrA ANIKET KUMAR SINGH aniletsingh 766747@9.4. 7667478012 Asigh 48 AJU/211512 YFABLA aushud bright to grand com 62092700 3) Autore AASHISH KUMAR AJU/211536 49 4 th BCA Prabhatarmandal221 \$ \$7198 98 509 on PRABHAKAR MANDAL 50 AJU/211558 4th BCA Aug Aufa 00535 Comeil con 6206878559 PUJA KUMARI AJU/211584 51 4th BiA Gauravistingnail a 776284636, Elkunar GOURAV KUMAR AJU/211593 52 4th Sen BCA Kteig267 @ gmail con 7667378393 K. Tel Keimar K TEJ KUMAR AJU/211676 53 ADITYA PITHADIA 4 Bern BiA aditya. p. the die 2003 @ amin 95460 96553 Desithadia AJU/211686 54 Ruman 4th Sem/Bit sourabha; 444@ gmail.com 9031564958 SAURABH KUMAR AJU/211698 55 Uth semillon indichnin Dgmail. com 9693297490 hob Indrogeet choulan 56 AJU1211254 box kashk \$ 6201 @ mile 7579 2485 67 AJU/211365 Penakash Kum an 4th Sem 57 Ry Piycesh Kuman Ou packush Coupte Uto Sem Kunasijush 620 Eymil 9334724143 AJU/211362 57 59 4th BCA aupokosta uptu 906000 yu 9060071487 anportal AJU/210107 umitkimonsk9080 (gni) 8210689620 AJU 1211229 Simit Kimas 4h BEA idish' \$0 03.04.2023 Debanjan ahost Name & Sign of the Event Coordinator(s)



**Certificates of Participants:** 







## PRESENTED TO ROHIT GOPE

For successfully completing the 30 hour Value Added Course "Process Automation Using UiPath – Basic to Advanced" offered by the department of Computer Science and Information Technology at the ARKA JAIN University, Jharkhand from April 3 to April 22, 2023.

Debanjan Chosh

Arviel Paday

Debanjan Ghosh coordinator Dr. Arvind Kumar Pandey HOD



# **CERTIFICATE OF ACHIEVEMENT**

PRESENTED TO MAHIMA KUMARI

For successfully completing the 30 hour Value Added Course "Process Automation Using UiPath – Basic to Advanced" offered by the department of Computer Science and Information Technology at the ARKA JAIN University, Jharkhand from April 3 to April 22, 2023.

Debanjan Chosh

Debanjan Ghosh coordinator

Arviel Paday

Dr. Arvind Kumar Pandey HOD





## PRESENTED TO ISHAAN KUMAR

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Debanjan Chosh

Debanjan Ghosh coordinator

Arviel Paday

Dr. Arvind Kumar Pandey HOD



# **CERTIFICATE OF ACHIEVEMENT**

PRESENTED TO GURLEEN SINGH BHATIA

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Debanjan Chosh

Arviel Paday

Debanjan Ghosh coordinator

Dr. Arvind Kumar Pandey HOD





## PRESENTED TO FAREEZA BANO

For successfully completing the 30 hour Value Added Course "Process Automation Using UiPath – Basic to Advanced" offered by the department of Computer Science and Information Technology at the ARKA JAIN University, Jharkhand from April 3 to April 22, 2023.

Debanjan Chosh

Arviel Paday

Dr. Arvind Kumar Pandey

Debanjan Ghosh coordinator

**ARKA JAIN** University Jharkhand

# **CERTIFICATE OF ACHIEVEMENT**

PRESENTED TO BISHWARUP DAS

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Debanjan Chosh

Debanjan Ghosh coordinator

Arviel Paday

Dr. Arvind Kumar Pandey HOD





## PRESENTED TO BHAVNEET SINGH

For successfully completing the 30 hour Value Added Course "Process Automation Using UiPath – Basic to Advanced" offered by the department of Computer Science and Information Technology at the ARKA JAIN University, Jharkhand from April 3 to April 22, 2023.

Debanjan Chosh

Debanjan Ghosh coordinator

Arviel Paday

Dr. Arvind Kumar Pandey HOD



# **CERTIFICATE OF ACHIEVEMENT**

PRESENTED TO ANAND KUMAR

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Debanjan Chosh

Arviel Paday

Debanjan Ghosh coordinator

Dr. Arvind Kumar Pandey HOD