

Aryabhata College

*Department of \_ Computer Science*

*(Annual Report for the Academic session 2021 to 2022)*

1) Name of Teacher in Charge: **Dr. Priti Jagwani**

2) Brief details of Faculty members:

**1. Dr. Ranjan Kumar**

**Designation :** Associate Professor

**Email ID :** ranjan301@gmail.com

**Area Of Interest :** Software reliability, Data Science, Theory of Computation

**2. Dr. Priti Jagwani**

**Designation :** Assistant Professor

**Email ID :** jagwani.priti@gmail.com

**Area Of Interest :** Location Based Services, Security and Privacy in LBS, Context Aware Computing, Operating System Concepts.

**3. Dr. Sonal Linda**

**Designation :** Assistant Professor

**Email ID :** lindasonal@gmail.com

**Area Of Interest :** Artificial Intelligence and Machine Learning Techniques

**4. Ms. Mona Adlakha**

**Designation :** Assistant Professor

**Email ID :** monaadlakha@yahoo.co.in

**Area Of Interest :** Database Management Systems, Information Security, Operating Systems

**5. Ms. Neha Kumari**

**Designation :** Assistant Professor

**Email ID :** nehanath.mca@gmail.com

**Area Of Interest :** Database Management Systems, Artificial Intelligence, Machine Learning Techniques and Data Analytics with Python.

**6. Shri Raj Kumar Sharma**

**Designation :** Assistant Professor

**Email ID :** rajkumar@aryabhatacollege.ac.in

**Area Of Interest :** Computer Programming, Networks, Graphics, and Data Analytics with Python

**7. Dr. Deepak Sharma**

**Designation :** Assistant Professor

**Email ID :** deepaksharma@aryabhatacollege.ac.in

**Area Of Interest :** Software engineering, Data science, Soft Computing Techniques and Reliability.

**8. Mr. Rajeev Rai**

**Designation :** Assistant Professor

**Email ID :** rajeevrai@ryabhattachcollege.ac.in

**Area Of Interest :** Deep Learnin, Data science, Algorithm and Programming

3) Student Strength

First Year	Second Year	Third Year
66	56	50

4) Details of publication work by the faculty members:

Sl. No.	Name of the teacher	Title of the paper	Title of the proceedings of the conference	Year of publication	ISBN/ISSN number of the proceeding	Whether at the time of publication Affiliating InstitutionW as same Yes/NO	Name of the publisher	Link
1	Ranjan Kumar	Early Detection of Influenza Using Machine Learning Techniques	Recent Innovations in Computing	2022	ISBN: 978-981-16-8891-1	yes	Springer, Singapore	<a href="https://drive.google.com/file/d/114Bprf4y/view?usp=sharing">https://drive.google.com/file/d/114Bprf4y/view?usp=sharing</a>

5) Participation of faculty members in seminars/workshops ,etc

Name of teacher who attended	Title of the program	Duration (from – to) (DD-MM-YYYY)
Raj Kumar Sharma	"Vice-Chancellor's Conclave	01 days 16, July 21
Ms. Neha Kumari	Online Short term Training on " desing of Computing Based Machine Learning Models" by Dept.of Electronics and communication engg. panipat Institute of Engg. & Technology	1 weeks 12 July to 17 July 2021
Ms. Neha Kumari	FDP on Artificial Intelligence & Machine Learning using Phyton	1 week 28 June to 9 July
Ms. Neha Kumari	4 Weeks Orientation Program organized by TLC, Ramanujan College, University of Delhi	21-03-2022 to 19-04-2022
Dr Priti jagwani	FDP on " Blockchain Technology" by finland labs	2 weeks 23 august 2021 to 8 september 2021
Ms. Mona Adlakha	2 Weeks Instructor Led Live Online FDP on Internet of Things Using Rasberry Pi , organized by Finland Labs	05-07-2021 to 09-07-2021
Mr. Rajeev Kumar Rai	4 Week Induction Program on Faculty in Universities/Colleges/Institutes of Higher Education	21-03-2022 to 19-04-2022
Ms. Mona Adlakha	4 Weeks NPTEL Online Certification on Python for Data Sciences	-07-2021 to -08-2021
Ms. Mona Adlakha	Online event "Emerging Research Topics in Engineering 2021" organized by IEEE Gujrat Section	01-10-2021 to 03-10-2021
Ms. Mona Adlakha	Two Weeks Online Live Training on Machine Learning Using Python (Conducted by Apptronix Technologies, Noida)	21-02-2022 to 05-03-2022
Ms. Mona Adlakha	4 Weeks Orientation Program organized by TLC, Ramanujan College, University of Delhi	21-03-2022 to 19-04-2022
Ms. Mona Adlakha	Online User Awareness Workshop on Managing References made easy using Mendeley, organized by Delhi University Library System (DULS) in collaboration with Elsevier)	25-05-2022

6) Achievement of Students including their participation in various societies

2021-22

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1.	Vrinda Sachdev	Marketing Society	Tech Head
2.	Tanushree Arora	TechPioneers	President
		Enactus	Advisory
3.	Bharath Vashisht	Rangmanch	Technical Head
		TechPioneers	Creative and Content Head
4.	Sahil Pahuja	TechPioneers	Event Management Head
5.	Advik Sharma	TechPioneers	Joint Secretary
6.	Shubham Kumar Bhakta	Debating Society	President
		NSS Aryabhata	Volunteer
7.	Nupur Joshi	TechPioneers	Marketing and Media Head

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7) Co-curricular Programmes conducted by the Department:

Department of Computer Science & TechPioneers (Computer Science Society) Aryabhata College

**Convener: Ms. Mona Adlakha**

**Co-Convener: Dr. Priti Jagwani**

**a. Alumni Speak Series Webinars**

1. Episode 3 had Ishant Malik (Batch 2016-19, Aryabhata College) speaks on "Navigating Through Life of a Techie" (24th September 2021).
2. Episode 4, Manik Dahiya (Batch 2018-21, Aryabhata College) conducted a workshop on "Quality Assurance (QA)" (29th January 2022).
3. Episode 5, Ashish Choudhary (Batch 2016-19, Aryabhata College) spoke on "As Distinctive as You" (9th February 2022).

**b. Workshop Organized**

TechPioneers successfully organized a Workshop on "Search Engine Optimization" (8th October 2021). The resource person Ms Yamini Katara, is a Digital Marketing Vertical Head and Corporate Trainer with CQS Training Pvt. Ltd.. The primary objective of this workshop was to make students aware of the various prospects of digital marketing and SEO which is one part of digital marketing . Different methods of SEO were discussed.

**c. Instagram Series Edition**

TechPioneers continued with its initiative of delivering news related to technology and analysis of emerging trends in tech through its Instagram Series. All the information was posted on the Instagram handle of TechPioneers. The aim was to reach out to people with the latest and trending news of tech that may affect their life. The three series conducted in November 2021 and June 2022 were: InsignTech, Techabulary and TechTab.

**d. Career Guidance Webinar**

TechPioneers organized a webinar on "MCA as a Career" on 15th February, 2022. The webinar was presented by Landmark Institute, one of India's most renowned institutes that prepares students for MCA entrance examinations. The speaker, Mr. Ankur Chadha, a senior instructor and educator from Landmark Institute explained all the pros and cons involved in the event of one choosing MCA as a post-graduate degree choice. He also broadly discussed about various premium colleges offering MCA degree and which are the best ones that UG students can eye for.

**e. Annual Tech Fest – Celestech'22**

TechPioneers, successfully organized its Annual Technical Fest CELESTECH'22 on 24th -25th February 2022, in online mode. Multiple technical and fun-filled events were organized. Inquizitive, quized the participants on their technical skills. Codathon tested the students' coding skills. Dot-A-Design, had participants designing a webpage. Unicon, an online gaming competition (BGMI and Valorant). Internet Scavenger Hunt was an information-based/ puzzle hunt in which teams used their collective brainpower to solve clues. Celestech'22

received an overwhelming response in all its events. Over 250 students from various colleges across Delhi NCR and across India enthusiastically participated in the events

8) Library Budget sanctioned for the Department: **Approx. Rs. 1,20,000 per annum**

9) (Strength ,Weakness , Opportunities, Challenges) SWOC Analysis of the Department

#### **STRENGTHS**

- Latest Curriculum with major portion as hands-on
- Exposure to the requirements of IT Industry
- Positive feedback from students

#### **WEAKNESSES**

- Specialised labs like AI lab, Robotic lab, Networking lab, etc.
- Dedicated research and reading center for our students.
- Departmental library.

#### **OPPORTUNITIES**

- Organize workshops on soft skills to impart holistic education
- Facilitate and encourage students for internships
- Organise seminars/ workshops to train students for entrance exams for M.Sc., MCA, MBA, etc
- Bridging Gap between students and employability

#### **CHALLENGES**

- Updating current trends and technologies.
- Adapting to dynamic course curriculum.
- Developing the bridge between corporate/ research organisations

10) Future Plans of the Department

#### **FUTURE PLANS OF THE DEPARTMENT**

- Organizing skill enhancement programs/ workshops for faculties and students in according to NEP 2020.

- Strengthening placement, internship, entrepreneurship opportunities for students.
- Providing a research centric environment for faculties and students
- Have an active department Alumni Cell

P. K. S.