



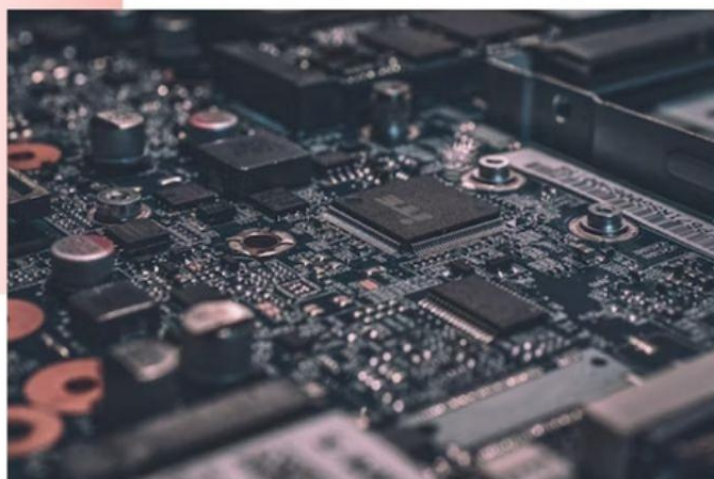
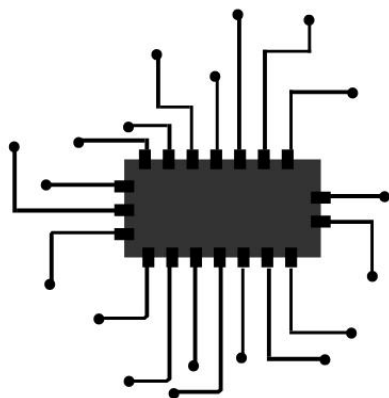
**DELHI TECHNICAL CAMPUS**



# **DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

## **Informatica**

Volume -IV  
January-June 2022



### **EDITORIAL BOARD**

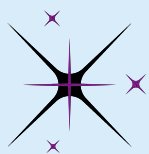
**Chief Editor:**  
**Dr. Seema Verma**

#### **Editors:**

**Faculty Editor:**  
**Ms. Medhavi Pandey**  
**Ms. Nidhi Sharma**

**Student Editor:**  
**Mr. Lakshya Singh**  
**Mr. Bhavya Ratra**  
**Mr. Rithik Nirwan**  
**Ms. Ananya Singh**

**NEWSLETTER SEMI-ANNUAL**



## EXPERT LECTURES ORGANIZED (2021-22)

**Title of Expert Lecture:** How to Write a Research Paper

**Date:** 20th April 2022

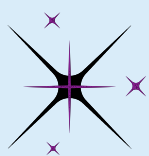
**Department:** Computer Science and Engineering (CSE)



Special Session Organized on MongoDB "Tech Talks" by GDSC DTC

**Date:** 27th April 2022

**Department:** Computer Science and Engineering (CSE), GDSC  
(Google Developer Student Club)



## SKILL DEVELOPMENT PROGRAM ORGANIZED

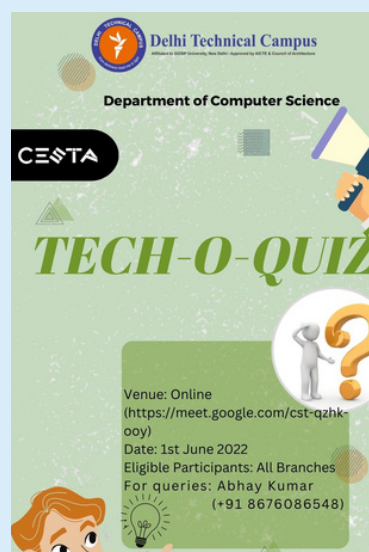


“  
**WOMEN  
EMPOWERMENT/  
MARICO PROGRAM**  
”

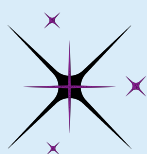


“  
**SESSION ON  
MICROSOFT  
POWER BI**  
”

“  
**TECH  
O  
QUIZ**  
”







## EVENTS CONDUCTED THROUGH PROFESSIONAL SOCIETIES AND DEPARTMENT CLUBS



**1-Day Online Workshop (IoT/Mean Stack/Cloud Computing)**

**Date:** 31st May 2022

**Organization:** CETPA

**Trainers:** Mr. Hardik Singhal , Mr. Adhesh Shrivastava

Webinar on Innovation Designing

**Date:** 19th April 2022

**Organization:** CETPA

**Speaker:** Mr. Yashwardhan Sharma,  
Trainer, CETPA

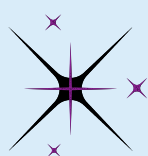


Session on How to Crack GATE

**Date:** 29th March 2022

**Organization:** ACE Academy

**Speaker:** Mr. Arjun Chhabra



## EVENTS CONDUCTED THROUGH PROFESSIONAL SOCIETIES AND DEPARTMENT CLUBS



Workshop on ERP

**Date:** 23rd February 2022

**Organization:** COLLPOLL

**Facilitator:** Mr. Shashank Singh

Gamescon

**Date:** 10th February 2022 ->  
12th February 2022

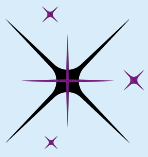
**Organization:** CESTA



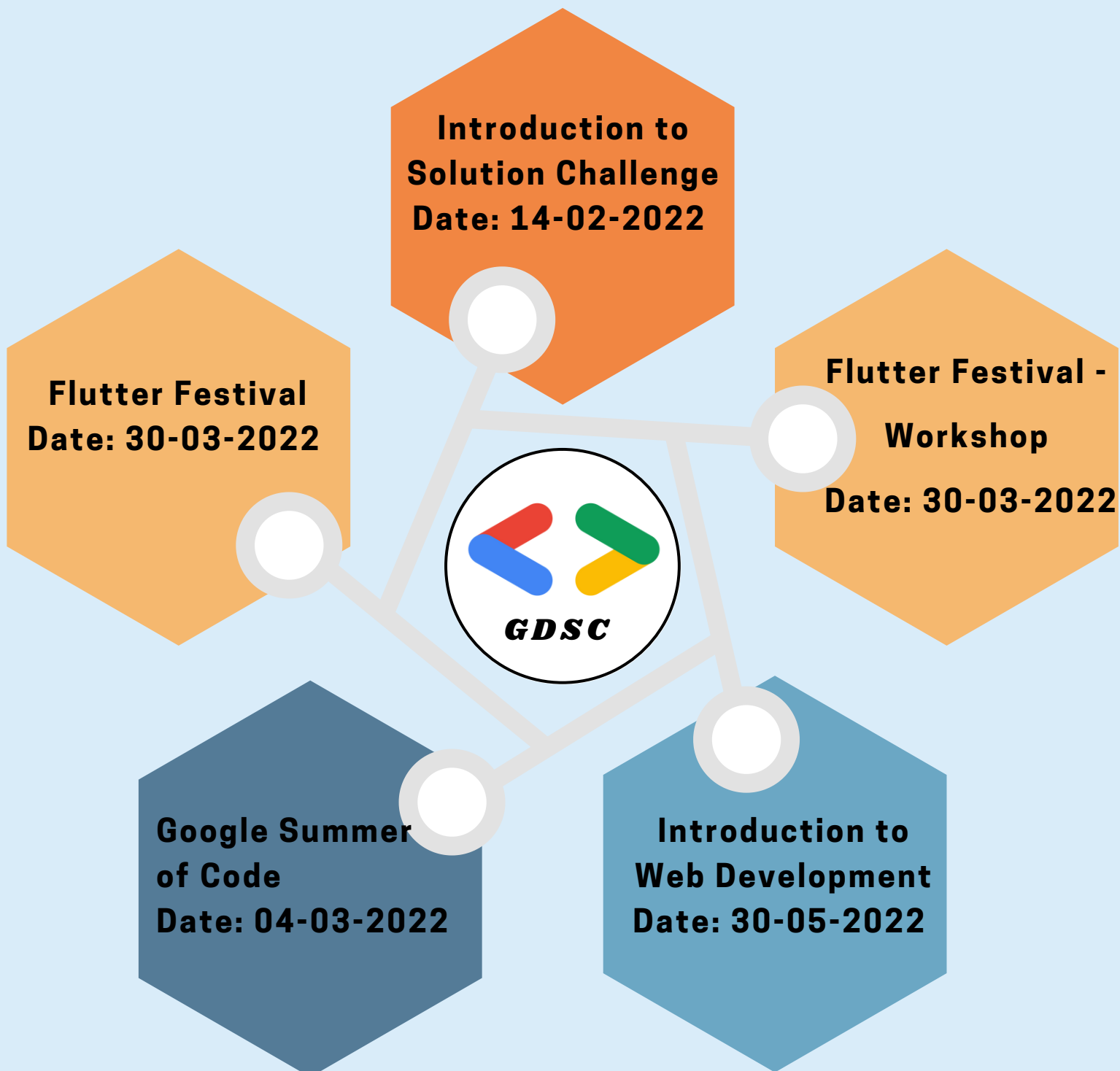
Tech Talks

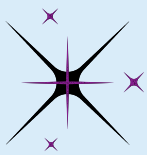
**Date:** 27th April 2022

**Organization:** CESTA



# EVENTS CONDUCTED THROUGH PROFESSIONAL SOCIETIES AND DEPARTMENT CLUBS





## **LIST OF BOOK CHAPTERS PUBLISHED**

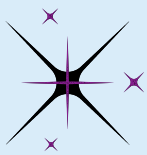


**1**

In the year 2021, Pushpa Singh, Narendra Singh, Krishna Kant Singh, and Akansha Singh authored a chapter titled "Diagnosing of disease using machine learning" in the book "Machine Learning Applications for IoT Healthcare." Published by Academic Press, an imprint of Elsevier, this chapter explores the application of machine learning techniques in diagnosing diseases. The chapter provides valuable insights into how machine learning can be leveraged to improve healthcare outcomes. To access the published paper, the DOI/URL/Link is 10.1016/B978-0-12-821229-5.00003-3.

**2**

The patent application with the number/design date 202111056272 has been published. The inventors, Pankaj Sahu, Rakesh Patel, Dr. Shahanawaj Ahamad, Upasna Joshi, Dr. Sagar Dhanraj Pande, and Anant Narayan Tiwari, have developed a wearable device that utilizes machine learning and IoT technology to provide healthcare notifications. The application was filed by the same inventors, and it was published on 12th October 2021 under the patent publication number 50/2021. The assignee of this patent is Delhi Technical Campus.



## LIST OF BOOK CHAPTERS PUBLISHED

**1**

In their book "Federated Machine Learning with Data Mining in Healthcare," Bhati, Chugh, and Bhati explore the application of federated machine learning in healthcare, combining data mining techniques for secure analysis of distributed healthcare data. Published by EAI/Springer Innovations in Communication and Computing. [DOI: 10.1007/978-3-030-85559-8\_15]

**2**

Verma's book "A Comparative Analysis of Blockchain Integrated IoT Applications" examines the intersection of blockchain and IoT, analyzing security and analytics aspects. Published by Taylor & Francis (CRC Press). [DOI: 10.1201/9781003206088]

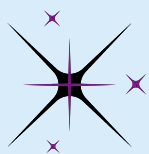
**3**

Pandey and Sharma's book "Blockchain Architecture And Policy For Transforming Healthcare Industry" explores blockchain's potential in healthcare, discussing architecture and policy considerations. Published by Taylor & Francis (CRC Press). [DOI: 10.1201/9781003201960]

**4**

Joshi's book "The future of AI, IoT, Big Data and Blockchain Technology in Healthcare Industry" addresses challenges and open issues in adopting these technologies in healthcare. Published by Taylor & Francis (CRC Press). [DOI: 10.1201/9781003201960]



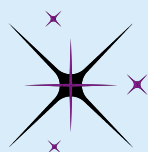


## **LIST OF BOOK CHAPTERS PUBLISHED**



**5**

Varma and Bharadwaj's book "Introduction to Machine Learning through Hands-on in Python" provides an introductory guide to machine learning in healthcare using Python. Published by Taylor & Francis (CRC Press). [DOI: 10.1201/9781003201960]



## **LIST OF BOOKS AUTHORED/EDITED**

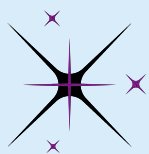


**1**

"Transformation in Healthcare with Emerging Technologies" by Pushpa Singh, Divya Mishra, and Kirti Seth explores the impact of emerging technologies on healthcare. Published by CRC Press, Taylor & Francis Group in 2022. [ISBN: 9781032063416]

**2**

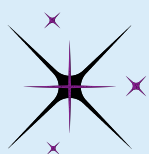
Deepti Agarwal, Kimmi Verma, and Shabana Urooj's book, "Energy Harvesting Enabling IoT Transformations," delves into the role of energy harvesting in enabling transformative applications of the Internet of Things (IoT). Published by CRC Press, Taylor & Francis Group in 2022. [ISBN: 9781032111834]



## LIST OF PUBLICATIONS IN JOURNALS



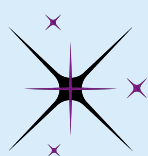
Bhavishya Kumar and Nidhi Sharma authored a research article titled "Game development with Unity Engine and Google Firebase" published in the International Research Journal of Engineering and Technology in 2021. The article explores the utilization of the Unity game engine and Google Firebase for game development purposes. It provides insights into the integration of these technologies and their applications in creating interactive and connected gaming experiences. The article is available in volume 8, issue 7, pages 1868-1874.



## LIST OF PUBLICATIONS IN CONFERENCES

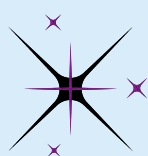


Nishi Bhati, Venkata Chanakya Samsani, Ritika Khareta, Tushar Vashisth, and Shanu Sharma collaborated on a research paper titled "CAPture: A Vision Assistive Cap for People with Visual Impairment." The paper was presented at the 8th International Conference on Signal Processing and Integrated Networks (SPIN) held in Noida, India, in 2021. The authors propose a vision assistive cap called CAPture, designed to aid individuals with visual impairments. The paper discusses the development and features of CAPture, highlighting its potential to enhance the quality of life for visually impaired individuals. The paper is available in the conference proceedings, with page numbers 692-697. [DOI: 10.1109/SPIN52536.2021.9565940]



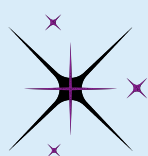
## **FACULTY DEVELOPMENT, TRAINING ACTIVITIES AND STTPS**

<b>MEDHAVI PANDEY</b>	<p>1. Department of computer Science and Engineering, Chandigarh University from 09/03/2022 to 13/03/2022</p> <p>2. AICTE-ISTE approved Orientation/Fresher programme on "Active Learning Visual Computing " organized by Maharaja agarsen Institute of Technology, held during 09/02/2022 to 15/02/2022</p>
<b>SEEMA VERMA</b>	NPTEL Certification on "NBA Accrediation and Teaching and Learning in Engineering (NATE)" between Jan-April 2022
<b>MEGHA KUMAR</b>	FDP on "Microsoft Power BI Data Analyst Associate " organized by DTC from 06/06/2022 to 10/06/2022
<b>VIVEK KRISHNA MISRA</b>	FDP on "Microsoft Power BI Data Analyst Associate " organized by DTC from 06/06/2022 to 10/06/2022



## **FACULTY DEVELOPMENT, TRAINING ACTIVITIES AND STTPS**

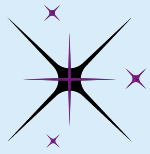
<b>UPASNA JOSHI</b>	FDP on "Microsoft Power BI Data Analyst Associate " organized by DTC from 06/06/2022 to 10/06/2022
<b>NITESH BHATI</b>	FDP on "Microsoft Power BI Data Analyst Associate " organized by DTC from 06/06/2022 to 10/06/2022
<b>MEDHAVI PANDEY</b>	FDP on "Microsoft Power BI Data Analyst Associate " organized by DTC from 06/06/2022 to 10/06/2022
<b>GUNJAN SETHI</b>	FDP on "Microsoft Power BI Data Analyst Associate " organized by DTC from 06/06/2022 to 10/06/2022
<b>NIDHI SHARMA</b>	FDP on "Microsoft Power BI Data Analyst Associate " organized by DTC from 06/06/2022 to 10/06/2022
<b>SHEETAL SAIGAL</b>	FDP on "Microsoft Power BI Data Analyst Associate " organized by DTC from 06/06/2022 to 10/06/2022



## **FACULTY DEVELOPMENT, TRAINING ACTIVITIES AND STTPS**

<b>RANJIT VARMA</b>	FDP on "Microsoft Power BI Data Analyst Associate " organized by DTC from 06/06/2022 to 10/06/2022
<b>SEEMA VERMA</b>	FDP on "Microsoft Power BI Data Analyst Associate " organized by DTC from 06/06/2022 to 10/06/2022
<b>RACHANA SHARMA</b>	FDP on "Microsoft Power BI Data Analyst Associate " organized by DTC from 06/06/2022 to 10/06/2022
<b>KUMAR SHUBHAM</b>	FDP on "Microsoft Power BI Data Analyst Associate " organized by DTC from 06/06/2022 to 10/06/2022
<b>ANKIT GAMBHIR</b>	FDP on "Microsoft Power BI Data Analyst Associate " organized by DTC from 06/06/2022 to 10/06/2022
<b>KIMMI VERMA</b>	FDP on "Microsoft Power BI Data Analyst Associate " organized by DTC from 06/06/2022 to 10/06/2022





## **LIST OF PUBLICATIONS IN CONFERENCES BY STUDENTS**

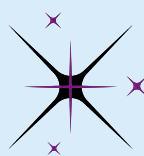


**1**

Rajiv Ranjan, Akanksha Srivastava, and Utkarsh Uday Singh conducted an analysis of Covid-19 fake news using logistic regression and decision tree classifiers on an Indian dataset. Their research paper titled "Analysis of Covid-19 Fake News on Indian Dataset Using Logistic Regression and Decision Tree Classifiers" was presented at the International Conference on Advances and Applications of Artificial Intelligence and Machine Learning, held at Sharda University in Greater Noida in 2022. The authors discuss their methodology and findings, emphasizing the importance of using machine learning techniques to combat misinformation during the pandemic. The paper is available in the conference proceedings, with page numbers 925 and 427-438. [DOI: 10.1007/978-981-19-4831-2\_35]

**2**

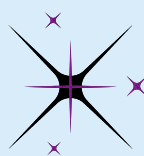
Shubham Singh, Vaibhav Verma, Kritika Jain, and Upasna Joshi contributed to a research paper titled "Classification And Detection Of Covid-19 Using Deep Transfer Learning Techniques." The paper was presented at the Second International Conference on Computer Science, Engineering, and Applications (ICCSEA) in Gunupur, India, in 2022. The authors explore the use of deep transfer learning techniques for the classification and detection of Covid-19. Their findings showcase the effectiveness of these techniques in accurate diagnosis. The paper is available in the conference proceedings, with page numbers 1 to 6. [DOI: 10.1109/ICCSEA54677.2022.9936533]



# PLACEMENT RECORD



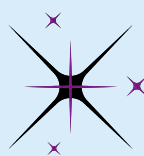
Name Of the Student	Recruiting Company
Vinay Kasana	OnGraph
Utkarsh Uday Singh	PepCoding Education (OPC) Pvt Ltd
Vaibhav Verma	Decimal
Madan Kumar Shah	Decimal
Anshul Rajput	Koniva Tours and Travels
Anubhav Bansal	EGREGORE LABS
Anand Sinha	GRAPECITY
Dilip Singh Dangwal	Wipro Limited
Vipul Dev	Wipro Limited



# PLACEMENT RECORD



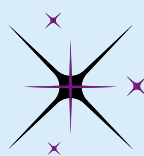
Name Of the Student	Recruiting Company
Nikhil Mishra	Wipro Limited
Ashish Sharma	Mayoor School
Piyush Mishra	Pentagon Space Pvt. Ltd
Priyanka Jain	Wipro Limited
Mohd Mehtab Alam	Koniva Tours and Travels
Rahul Agarwal	Little Nurture School
Bhumika Prasad	QSpiders
Vidhi Maheshwari	Perceptiviti
Prachi Verma	QSpiders



# PLACEMENT RECORD



Name Of the Student	Recruiting Company
Himanshi Singh	QSpiders
Naman Jain	kylo apps
Rishabh Tyagi	Mayoor School
Gaurav Kushwaha	Bluestacks
KHYATI PARASHAR	Value First
Rinkaj Solanki	Nagarro
Shrey Jain	Nagarro
Shashank dhoundiyal	Value First
Md. Shehreyar Arif	Onit

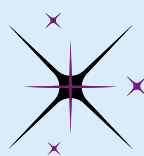


# PLACEMENT RECORD



Name Of the Student	Recruiting Company
Aman Ahmed	Gyansys
ADVAITH MURALI	Infosys
Naman Grover	Bonami Softwares Pvt. Ltd
Himani Prajapati	IFortis
Nikhil Sharma	Koniva Tours and Travels
ANSHUL Verma	ATC
Gaurav Birdi	Skypro
Kunal Kumar	EXL Service
Akanksha Srivastava	Infosys

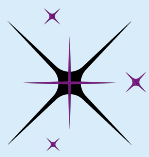




# PLACEMENT RECORD



Name Of the Student	Recruiting Company
Lakshay Gola	HCL
Samyak Jain	HCL
Akshat Verma	DeCurtis
Vivek Kumar Gaur	Flat White Capital Pvt. Ltd.
Vivek Kumar	FTD India Pvt. Ltd.
Jatin Saini	Elevate Labs
Alok Baluni	Americ Tecnology Consulting Pvt. Ltd.
Bhavya Ratra	Airboxr
Himanshi Yadav	Mcalign



## PLACEMENT RECORD



**Name Of the Student**

**Recruiting Company**

**Tanishq sharma**

**Hexaware**

**Ayushman awasthi**

**BroadRidge**

**Siddharth Jain**

**Rein Games Pvt. Ltd**

**Paras jain**

**Knoldus**