



BCIIT NEWSLETTER

Issue 11, Vol. 2 (July - December 2022)

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Message from Editorial Advisor

Welcome to the Issue 11, Volume 2 of the BCIIIT Newsletter 2022. This issue brings out various academic, technical, placements-related and other events occurred during the last six months. It feels a pleasure to introduce you to this latest issue of BCIIIT e-Newsletter.

EDITORIAL ADVISOR

Dr. Ravish Saggar
Director, BCIIIT

EXECUTIVE EDITOR

Dr. Anu Taneja
Associate Professor, BCIIIT

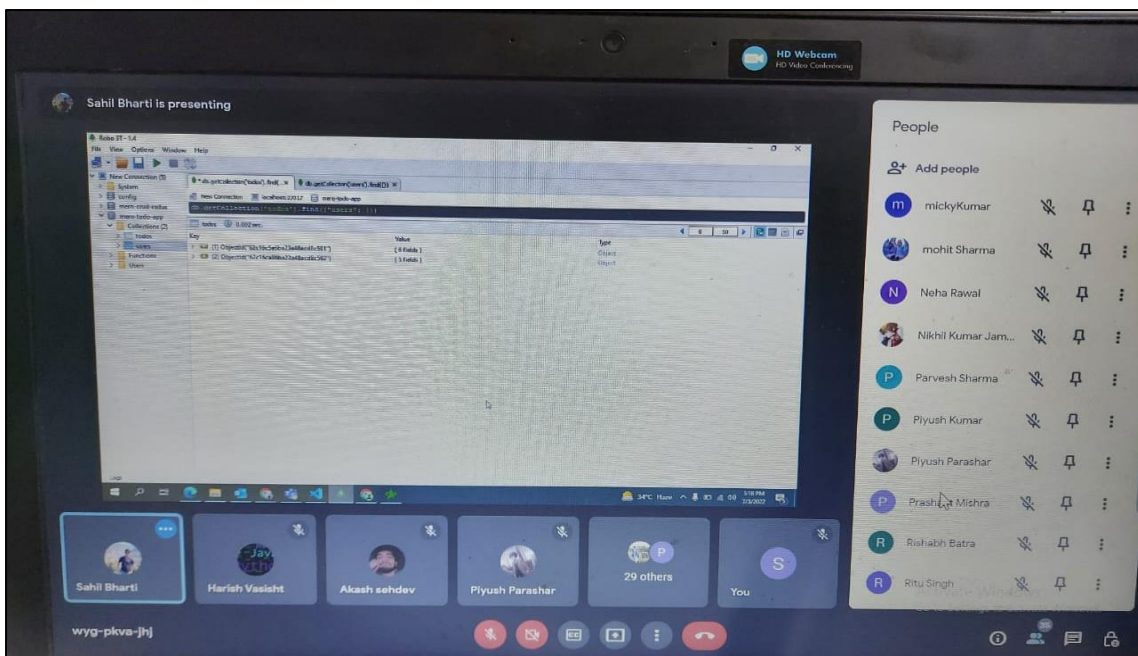
TECHNICAL SESSIONS/WORKSHOPS

BCIIT organized various technical workshops/webinars during the Academic Session of July – December 2022. These were conducted by the subject experts on the latest IT technologies like Full Stack Development, Business Analysis and many more. The events were conducted for the internal and external participants, giving them an edge over others with the hands-on experience. Student participants got a chance to explore emerging areas and develop better understanding.

S.No.	Title	Resource Person	Days	Date	Target Audience
1.	Workshop on Full Stack Development-MongoDb	Mr. Sahil Bharti	1 Day	3rd July 2022	Internal Students
2.	Workshop on Modern Angular Web Framework	Mr. Nitin Pandit	1 Day	14th July 2022	Internal Students

TECHNICAL WORKSHOP ON FULL STACK DEVELOPMENT- MONGODB

A Workshop on the topic “**Full Stack Development-MongoDb**” was organized at Banarsidas Chandiwala Institute of Information Technology, New Delhi on 3rd July 2022. The speaker of the day was our alumni **Mr. Sahil Bharati**. It was a very informative session. The speaker overviewed that a full stack web developer has the ability to design complete web applications and websites. They worked on the frontend, backend, database and debugging of web applications and websites. He continued the session with introduction to Angular JS and briefed about Angular. He elaborated that Angular JS is a JavaScript open source front-end framework that is mainly used to develop single page web applications. He said that it is a continuously growing and expanding framework which provides better ways for developing web applications. The students enjoyed the session as it also gave a hands on practice to the contents.



TECHNICAL WORKSHOP ON FULL STACK DEVELOPMENT- MONGODB

A screenshot of a Zoom meeting. The main window displays a code editor with the following code:

```
const express = require('express');
const mongoose = require('mongoose');
const bodyParser = require('body-parser');
const cors = require('cors');

const app = express();
app.use(bodyParser.json());
app.use(bodyParser.urlencoded({ extended: true }));
app.use(cors());

// routes
// middleware
app.use(function(req, res, next) {
  res.header('Access-Control-Allow-Origin', '*');
  res.header('Access-Control-Allow-Headers', 'Origin, X-Requested-With, Content-Type, Accept');
  next();
});

// configure app
app.use('/api', app);
app.use('/api/users', app);
app.use('/api/products', app);

mongoose.connect('mongodb://localhost:27020', { useNewUrlParser: true });
mongoose.Promise = global.Promise;

const db = mongoose.connection;
db.on('error', console.error.bind(console, 'mongoose connection error:'));
db.once('open', function() {
  console.log('mongoose connected to database');
});

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```

The 'People' list on the right includes:

- Sushma Bahuguna (You)
- Aashray Sharma
- Akash sehdev
- Aryan Kumar
- Atul Kumar
- Ayush Bisht
- Bhavini Chadha
- Bhavya Mishra
- Chirag Bargoobar
- Devanshi Tyagi

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```

The 'People' list on the right includes:

- Neha Rawal
- Nikhil Kumar Jam...
- Parvesh Sharma
- Piyush Parashar
- Prashant Mishra
- Ritu Singh
- Sahil Bharti
- Sahil Bharti Presentation
- Sakshi Philoria
- Shagun Sharma

TECHNICAL WORKSHOP ON MODERN WEB ANGULAR FRAMEWORK

We at BCIIIT were honored to host a workshop on "Modern Web Angular Framework" for MCA students in offline mode on 14th July 2022. It was the first workshop in offline mode after the pandemic. Mr Nitin Pandit Senior Consultant, Infragistics Pvt. Ltd and a Certified MVP was the host for the day. It was a very valuable session for the students that gave them hands on experience on the angular framework. It was a very informative session and the students learnt many new concepts and gained a complete insight on it.



TECHNICAL WORKSHOP ON MODERN WEB ANGULAR FRAMEWORK



ONLINE FDP ON MACHINE LEARNING USING PYTHON

Banarsidas Chandiwala Institute of Information Technology organized a Five day online FDP on the topic “Machine Learning using Python” from September 5th 2022 – 9th September 2022.

The Day 1 of the FDP started with an inaugural session with a welcome note by Dr Ravish Saggar, Director BCIIT. He briefed about the relevance of machine learning in research and welcomed the dignitaries. It was followed by a welcome speech by Dr Sushma Bahuguna (MCA, Coordinator, BCIIT) where she briefed about BCIIT and the schedule of the FDP.

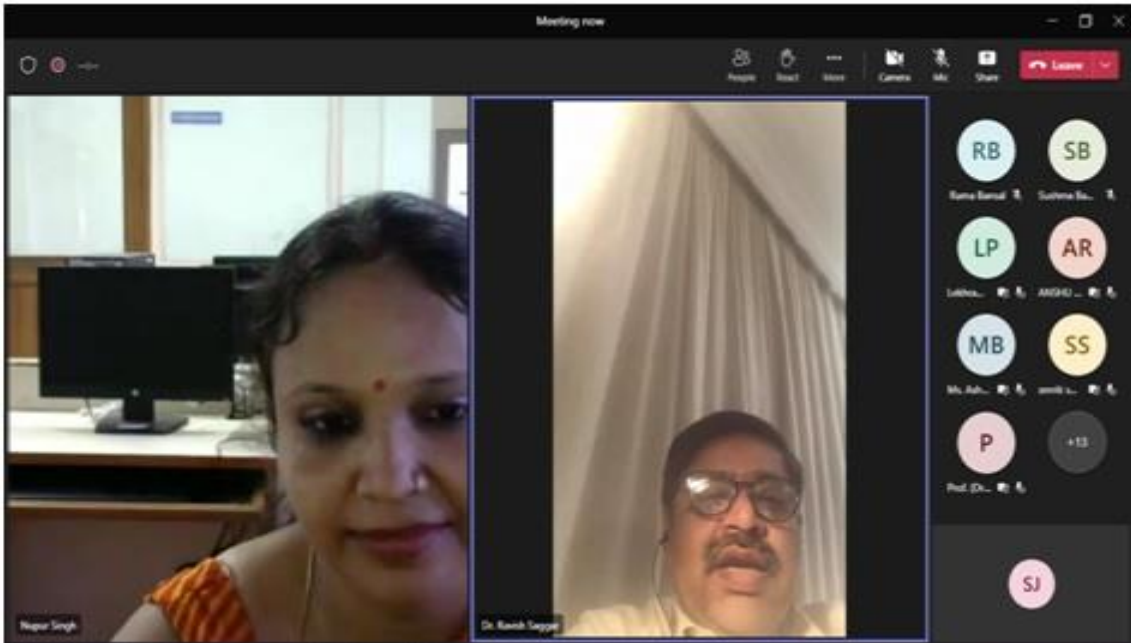
The first session of the day was taken by Dr Anu Taneja, Associate Professor BCIIT. She gave a brief insight into the machine learning fundamentals. The second session of the day was taken by Dr. Meenakshi Memoria, Associate Professor Uttaranchal University. The session was very informative. She gave an outline on the machine learning core concepts and the required software tools for Machine learning implementation.

The speaker for both the sessions on Day 2 was Ms. Nidhi Grover Raheja. She is a Technical Trainer in the domains of Python, Advanced Python, Data Science, Machine Learning, NLP, BI Tools like Tableau and Power BI etc. She is currently associated with Delhi Skills and Entrepreneurship University (DSEU) in their Data Analytics Department for training Visualization Tools and Storytelling.

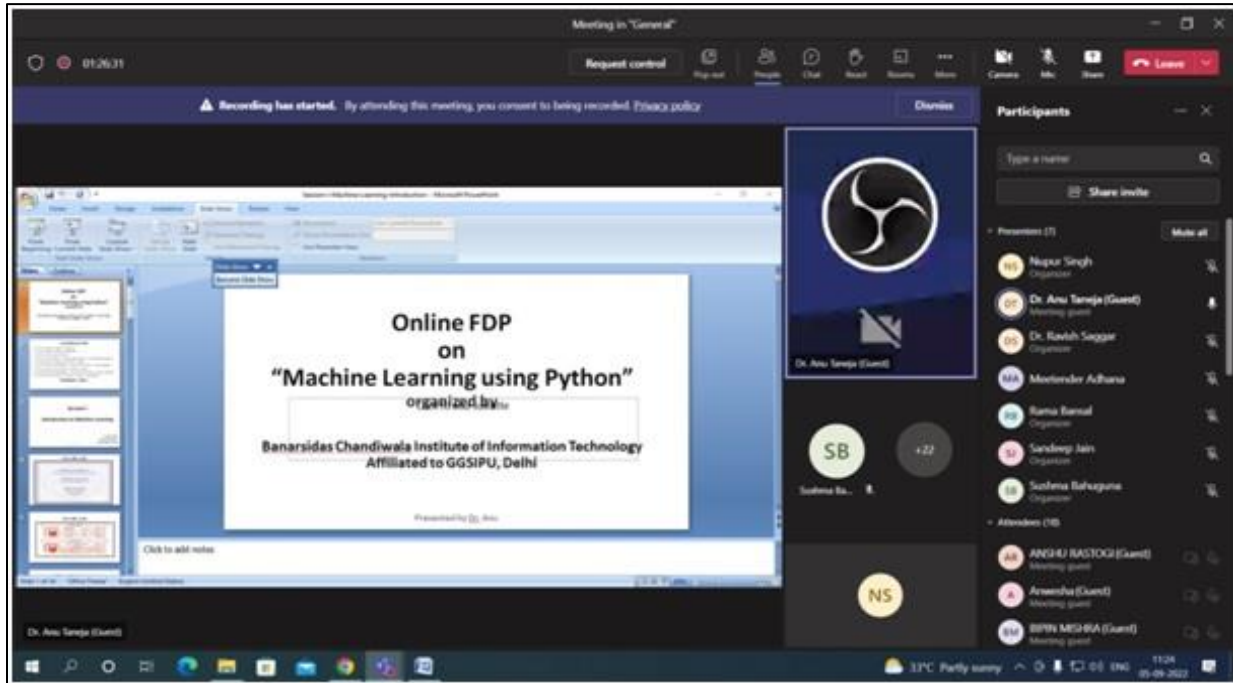
The first session started with the introduction to python and briefed about the features of Python. She also explained the installation process of Anaconda and the concept of Jupyter notebook. The session went smoothly explaining the basic syntax used in Python and with the data types and their practical in Jupyter notebook. The second session gave a brief insight into the steps of Machine learning implementation. It also included all the steps of data-pre-processing in ML and the practical implementation of reading offline dataset using Numpy. Overall it was very energetic sessions.

Finally the event ended by a valedictory session Mr. Sandeep Jain, Assistant professor, BCIIT and vote of thanks by worthy Director Dr Ravish Saggar and the organizing member Ms. Sonia Batra.

ONLINE FDP ON MACHINE LEARNING USING PYTHON



ONLINE FDP ON MACHINE LEARNING USING PYTHON



INDUSTRIAL VISIT

An industrial visit for MCA - II year and BCA - II year students was organized on 17th September 2022 at “Microsoft Corporation (I) Pvt. Ltd.”. After the visit, an informative technical session on Blazer project structure was organized and conducted by C# Corner, The session was taken by Mr. Nitin Pandit, Microsoft and C# Corner MVP and Mr. S. Ravi Kumar from Xam Techies meetup group. Students found it very interesting and informative.



INDUSTRIAL VISIT

The C# Corner Annual Conference is a 3 day annual event where IT professionals, developers, technologists, C# Corner MVPs, authors and members meet, demonstrate, plan and hang out. This year the conference was organized on 14th, 15th and 16th October at Hyatt Centric, Janakpuri, New Delhi in offline mode. The second day was open to the public and included presentations from many top names in the industry.

The students of BCIT accompanied by five faculty members attended the conference on 15th October 2022. There were three tracks Cloud & Data, C# & .NET, Front End Technologies/Developer Tools going on in three different halls simultaneously. The day started with the registration followed by many valuable sessions by eminent names from the industry. The sessions at the end had some questions for the students also and the students were given many exciting goodies for answering them. In all the day was very informative and knowledgeable. A big thanks to Mr. Nitin Pandit on behalf of BCIT for arranging it for us.



INDUSTRIAL VISIT

AGENDA (OCT 15) TRACK 2 - C# & .NET

Registrations	7:00 AM - 8:30 AM
Extend your Viva Connection with ACES using SPFx <i>Siddharth Vaghasia</i>	8:30 AM - 8:55 AM
Getting started with .NET MAUI <i>S Ravi Kumar</i>	9:00 AM - 9:25 AM
.Net 6 Minimal API including swagger in detail <i>Rajeev Jha</i>	9:30 AM - 10:00 AM
Break	10:00 AM - 10:15 AM
Keynote	10:15 AM - 11:30 AM
Scaling Your .NET Application Using Azure <i>Joseph Guadagno</i>	11:45 AM - 12:25 PM
Panel Discussion	12:30 PM - 1:10 PM
Lunch Break	1:10 PM - 2:00 PM
Röck Yoür Cöde: Code & App Performance for Microsoft .NET <i>David McCarter</i>	2:00 PM - 2:40 PM
How To Create A Full-Stack Web App Using Blazor WASM and GraphQL <i>Ankit Sharma</i>	2:45 PM - 3:25 PM
Tea Break	3:25 PM - 3:45 PM
10 Reasons to choose Blazor <i>Nitin Pandit</i>	3:50 PM - 4:30 PM
New Features in C# 10 <i>Manoj Tyagi</i>	4:30 PM - 5:10 PM
Closing Note & Prize Distribution	5:15 PM - 6:00 PM
Exclusive Dinner Party for MVPs, Speakers, & VIPs	7:00 PM - 9:30 PM

2022/10/15 09:40 West Delhi, Delhi

machine learning - anomaly detection

$$MAD = \frac{1}{n} \sum_{i=1}^n |x_i - \bar{x}| \quad \text{Mean Absolute Deviation}$$

MAD of a data set is the average distance between each data value and the mean

1. Find the mean
2. Find the distance between each data value and the mean
3. Find the average of these distances

2022/10/15 14:32 West Delhi, Delhi

INDUSTRIAL VISIT

Blazor ?

Blazor lets you build interactive web UIs using C# instead of JavaScript.

Blazor apps are composed of reusable web UI components implemented using C#, and CSS.

Both client and server code are written in C#, allowing you to reuse code and libraries.



The diagram illustrates the Blazor architecture. On the left, a stack of components is shown: ASP.NET Core, Razor Components, and .NET. On the right, a browser window is shown with a DOM element. A double-headed arrow labeled 'SignalR' connects the .NET layer to the DOM, indicating bidirectional communication. The background of the slide features decorative elements: an orange triangle, a blue circle, and a large blue '@' symbol.

2022/10/15 16:01 West Delhi, Delhi

ANNUAL TECHNICAL FEST BY GGSIPU

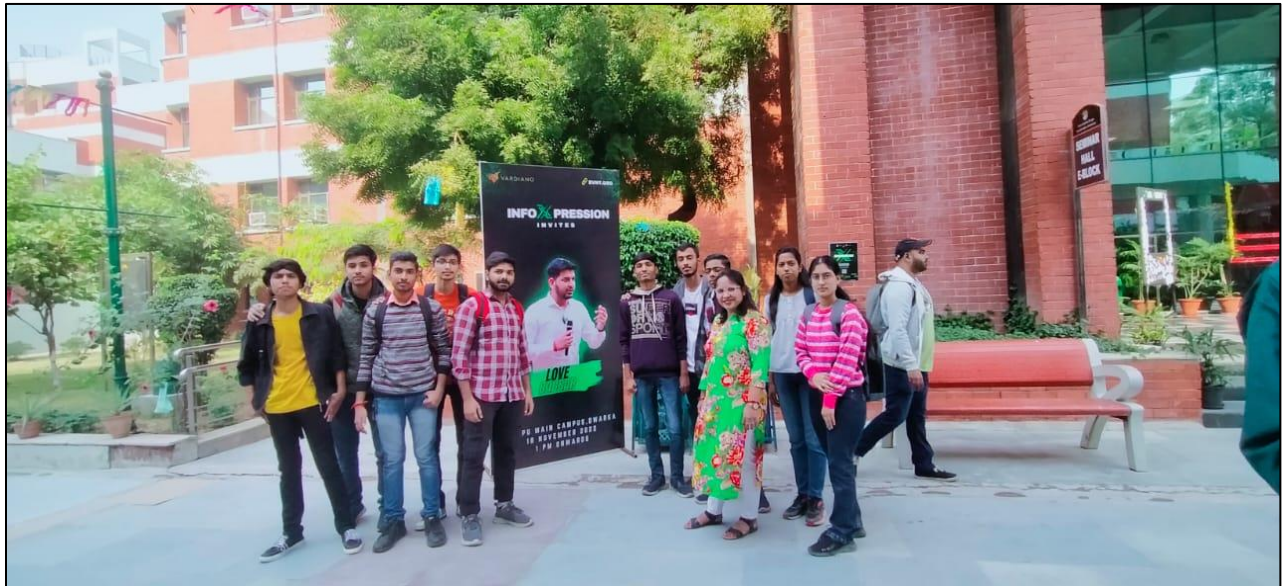
“One of the core competencies for all human beings in the future is going to be the ability to learn.” The best way to learn is by participating. Participation gives experience about what happened and how it happened.

To gain such experiences students of BCIIIT participated in the annual technical fest Infoxpression'22 organized by GGSIPU from 18th - 20th November 2022. There were many technical and non-technical events like Bug-Debug, Fill in the Code, NFT Race, Chess, Treasure Hunt to name a few. Many students participated in the events and gained much knowledge about them.

BCIIIT student of BCA-1st Semester Aaditya Pandey also won the ‘NFT Rush Competition’. He was awarded with a medal, a certificate and prize money of Rs 30,000 as the winner. Another winner for BCIIIT was Piyush Parasher of MCA-3rd Semester. He won the second prize in the event ‘The Chosen One’. Overall the fest provided much knowledge and also the students enjoyed a lot.

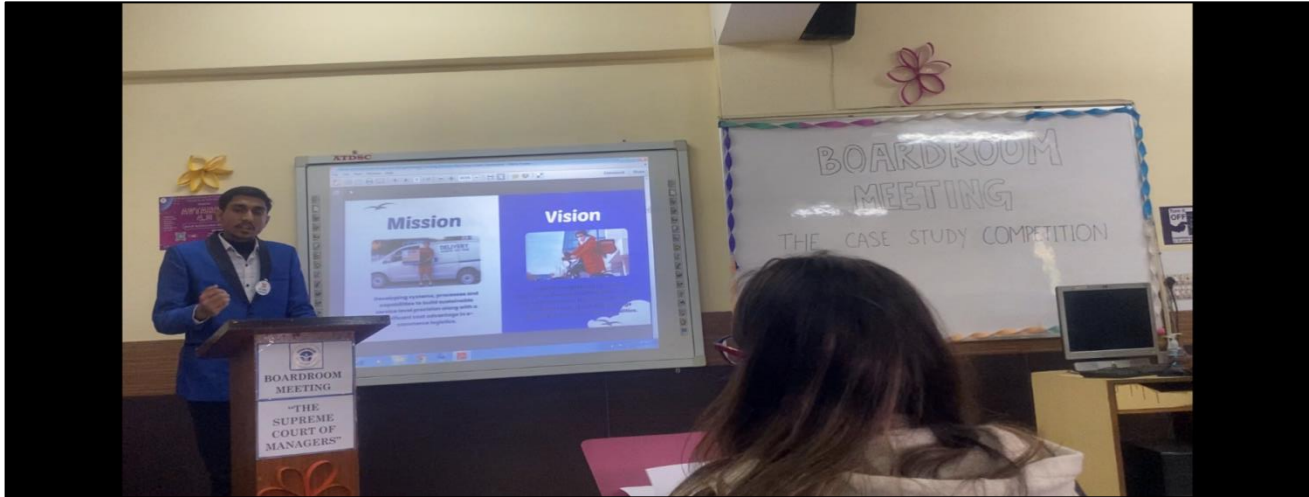


ANNUAL TECHNICAL FEST BY GGSIPU



INTER-COLLEGE MANAGEMENT FEST

An Inter-College Management Fest was organized at JIMS Vasant Kunj. Our students enthusiastically participated in the event. BCIT congratulates Aryan Mahana of BCA-3rd Semester for winning the 1st Prize in Gaminzo event. He was awarded a trophy and a cash prize of Rs 2500/- with it. A big Congratulations.....



REVIVE YOUR CHILDHOOD

“Activity leads to productivity”. An event “Revive your childhood “was planned in BCIIIT on 21st of October 2022 on the occasion of Diwali. All students of BCA and MCA including our newly admitted first year students participated in it.

Activities:

- Dodge ball game.
- Seven stones game.
- Rangoli competition.



REVIVE YOUR CHILDHOOD



TRADE FAIR VISIT

A visit to “India International Trade Fair (IITF)” 2022 was planned on 22nd of November 2022 for all students of MCA/BCA. Every year India Trade Promotion Organisation (ITPO) organizes trade fair. India Trade Promotion Organisation(ITPO) , the premier trade promotion enterprise of the Ministry of Commerce & Industry, Government of India is committed to showcase excellence achieved by the country in diverse fields especially trade and commerce. Its mission is to promote, facilitate, encourage and coordinate various activities and programmes to enhance India’s share of exports.

The theme of trade fair was “Vocal For local & Local to global “.Our students enjoyed a lot. This year it was special as after corona period, people were enthusiastic more and a lot of beautiful cultural diversities in form of clothes, different trades’ exhibitions and food stalls were presented at its best. They displayed immerse interest in knowing various aspects of exhibitions displayed. As our 1st year students (BCA/MCA) were new and it was their first trip, they built a good bond and rapport with students and faculty and learnt how to analyse things differently in groups. In the last we were fortunate enough to listen speech by Lt Governor of Puducherry, respected “Dr.Tamilisai Soundararajan“ and seen beautiful performances presented by talented artists from state.



TRADE FAIR VISIT



TRADE FAIR VISIT



SEED BALL PLANTATION DRIVE

Banarsidas Chandiwala Institute of information technology conducted a plantation drive with the noble mission of making our city green & serene on 24th November 2022. Environment plays an important role for our good health and best life ahead. Keeping our environment healthy is equally important as we keep our house clean and eat healthy. The motive behind this initiative was to give a message of keeping our environment clean to breathe clean air. Faculty and students participated in it.

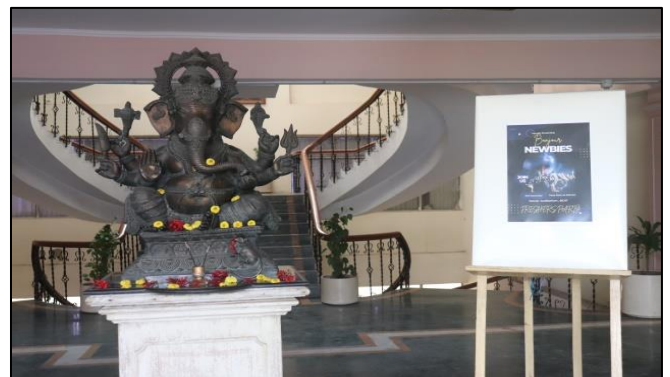


FRESHER'S PARTY

One of the motives of fresher's party is to welcome new students in campus. It is a day when seniors and juniors finally bond & unite to celebrate being part of college.

In BCIIT, on 23rd of December a memorable day was spent by everyone including new students, faculty and staff. Each one of them participated and a lovely atmosphere was set. A contest was held to select Mr. & Ms. Fresher (BCA/MCA) ,talent round showed different type of performances, no of performances by seniors by students made it entertaining. Titles like Vibrant Smile, Twinkling eyes, style icon specifically were given to make them feel special. Juniors were happy and thanked their seniors for the lovely welcome.

We as a team grew to touch the new heights in terms of creativity and bonding.



FRESHER'S PARTY



PLACEMENT NEWS

BCIIT has been dedicated towards campus placements of all its students, and ensures a successful record of placements every passing year. The institute invites various credible IT companies like Josh Technology Group, IVP, NCR, Knoldus, Grapecity, CVENT, To The New, Daffodil, Genpact, Nagarro and others who select our talented and innovative students and offer them competent packages. The Placement Cell of the institute, that has successfully organized placement drives for many years, actively works for student's personality development and professional training to prepare them for their career ahead. The Placement process for MCA Batch 2021-23 has been started from July 2022 and more than 20 opportunities has been offered to students. The highest package offered is 18.0 LPA.

A list of placed students is appended below:

Sr. No.	Name	Package (including All Benefits)
1.	Dhruv Maindola	9.1 LPA
2.	Mohit Sharma	9.0 LPA
3.	Aashray Sharma	8.1 LPA
4.	Shagun Sharma	8.1 LPA
5.	Rohan Kaushik	8.1 LPA
6.	Vandana	8.1 LPA
7.	Shivam Garg	8.1 LPA
8.	Devanshi Tyagi	8.1 LPA
9.	Sahil Babbar	7.5 LPA
10.	Aayush Bisht	7.5 LPA
11.	Pradyuman Singh	7.5 LPA
12.	Piyush Parashar	6.0 LPA
13.	Atul Kumar	5.4 LPA

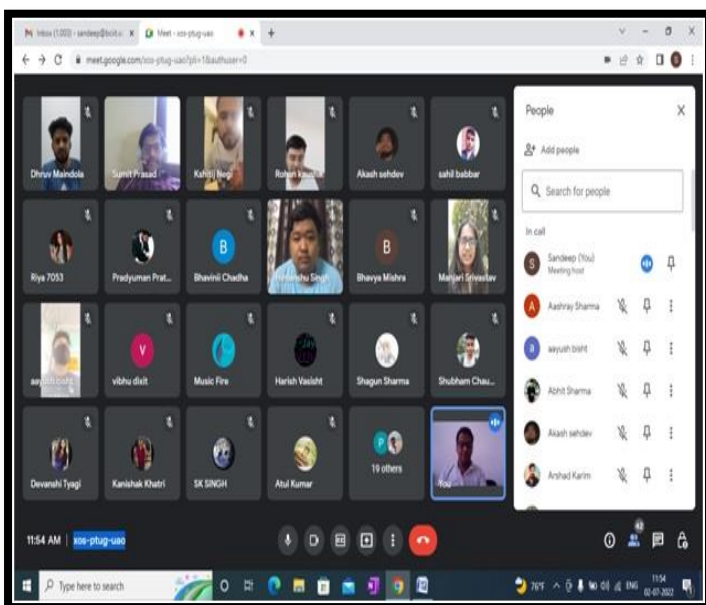
PLACEMENT NEWS

14.	Sakshi Gupta	4.5 LPA
15.	Bhavini Chhadha	4.5 LPA
16.	Riya	4.5 LPA
17.	Kritika	4.5 LPA
18.	Hema Patidar	4.5 LPA

ALUMNI INTERACTIVE SESSIONS

BCIIT has a strongly knit network with its alumni, who continue to exhibit their talent and skills and have made a mark for themselves in their respective fields of expertise. Our alumni fondly keep contact with their alma mater and pass on their legacy of academic life to current batches. Alumni Interactive Sessions allow students to engage in interactions with our alumni and seek guidance and insight from them. The institute has organized various alumni sessions, both online and offline, where alumni get the opportunity to share their experiences and impart the lessons they have learned so far. Such sessions also enable us to revisit the old bond we have with our students.

Date	Name	Profile	Organization
02-07-2022	Sumit Prasad	Associate Engineer	Nagarro
04-09-2022	Shubham Patel	Software Engineer	LogicLadder Technologies
12-09-2022	Anukriti Gautam	Software Engineer	NCR Corporation
12-09-2022	Siddhant Pant	App Dev Engineer	NCR Corporation
04-10-2022	Adhiraj Wilson	Information Security Engineer	NCR Corporation
13-10-2022	Mohit Saxena	Software Consultant	Knoldus Inc
13-10-2022	Sakshi Gupta	Software Consultant	Knoldus Inc
13-10-2022	Kiran	Software Consultant	Knoldus Inc
13-10-2022	Shivani Sarthi	Devops Engineer	Knoldus Inc



ALUMNI INTERACTIVE SESSIONS

