



# **BABU BANARASI DAS** **INSTITUTE OF TECHNOLOGY AND MANAGEMENT**

( Formerly Known as Babu Banarsi Das National Institute of Technology and Management )  
( Recognized by AICTE, Govt. of India, affiliated to Dr. A.P.J. Abdul Kalam Technical University, Lucknow )  
AKTU COLLEGE CODE - 054

## **Bits & Bytes**

**APRIL 2021 EDITION**

**Computer Science  
&  
Engineering Department**

**“IT’S TIME TO  
ACHIEVE YOUR GOALS  
AND WORK HARD”**



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## INSTITUTE

### VISION

To Become a leading Educational Institution known for the source of competent professional, having right attitude and high moral values, to lead and serve the nation as well as the world with their knowledge and creative skills.

### MISSION

- M1.** To Create an eco-system for dissemination of technical knowledge, to achieve academic excellence.
- M2.** To develop technocrats with problem solving abilities and leadership qualities to serve locally and globally through their professional competence.
- M3.** To impart human values and ethics in students, to make them socially responsible and committed technocrats.

## DEPARTMENT

### VISION

“To produce globally competent professionals having social values and commitment to serve the global needs with the ability to work in an interdisciplinary environment.”

### MISSION

- M1.** "To impart quality education to the students to enhance their ethical, professional and leadership qualities to make them globally competitive."
- M2.** “To create a conducive environment in which students can explore computational problems and analyze them to identify the optimal solutions.”
- M3.** “To strive for continual enhancement of technical knowledge & innovation through industry interface to accomplish global needs.”



## PROGRAM EDUCATIONAL OBJECTIVES

**PEO.1.** Students must be able to apply software engineering principles to analyze complex computing problems and identify their solutions.

**PEO.2.** Students must be able to analyze, design, and implement the latest technology-driven projects.

**PEO.3.** Students must be able to work in a collaborative environment and understand the ethical, social, and economic impact of their work.



## PROGRAM SPECIFIC OUTCOMES (PSO'S)

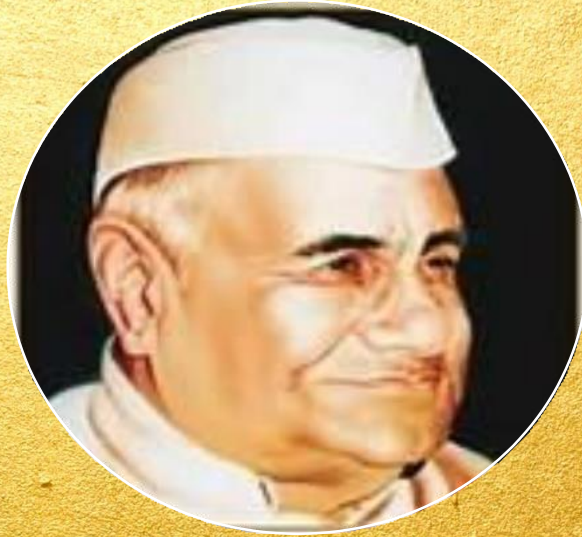
An engineering graduate of the Department of Computer Science and Engineering Program will be able to demonstrate:

**PSO1:** Able to design and implement the data structures and algorithms to deliver quality software products.

**PSO 2:** Able to apply Artificial Intelligence and Machine learning concepts to solve society-related needs.



# CHERISHING FOUNDER



***Late Babu Banarasi Das  
Ji (1912 – 1985)***

**EX-CHIEF MINISTER, GOVERNMENT OF UTTAR PRADESH**

**“To provide an open opportunity to the young generation for evolving their core competencies and to build their career as world-class professionals with broad-based foundation, in-depth knowledge & versatile personality to meet the challenges of Global Economy...”**

**- Babuji's Vision**





***Late Dr. Akhilesh Das Gupta***

- **EX MEMBER PARLIAMENT ( RAJYA SABHA )**
- **EX-MAYOR LUCKNOW**
- **EX-UNION STEEL MINISTER**
- **HONORABLE FOUNDER CHAIRMAN, BBD GROUP**
- **VICE-PRESIDENT OF BADMINTON ASSOCIATION**
- **SR. VICE PRESIDENT OF INDIAN OLYMPIC ASSOCIATION**

**"We not only make technocrats at BBD,  
we churn out citizens of the world,  
perfect in all respects in all respects, be  
it leadership, competence, confidence,  
communication, moral or knowledge..."**

**-**

**Akhilesh Das Gupta's Vision**





**CHAIRPERSON  
CO-FOUNDER,  
BBD GROUP OF EDUCATION  
ADVOCATE & SOCIAL  
WORKER**

**MRS. ALKA DAS**



**PRESIDENT BBD GROUP  
PRESIDENT, UP  
BADMINTON  
ASSOCIATION  
VICE PRESIDENT,  
INDIAN BADMINTON  
ASSOCIATION**

**MR. VIRAJ SAGAR DAS**



## MESSAGE FROM THE DESK OF DIRECTOR



## DIRECTOR'S MESSAGE

**Dear Reader,**

**It is indeed commendable that the second issue of Computer Science & Engineering Department Magazine is now before you. It showcases numerous events of Department organized in previous semester despite different constraints but also different departmental achievements. Editorial team of this magazine deserves kudos for the same. Through this forum, I convey my greetings and sense of pride officially to all associated with Institutional Innovation Council through President and Convener IIC, BBDITM and in particular CSE department faculty IIC coordinators and students IIC team members for their tireless efforts and conviction and commitment for helping Institute to rank high in Eastern UP region and fulfill noble and much required objectives of IIC for an prestigious and progress Institute. Institute has also been doing exceptionally well in humanitarian activities at University/ State level, as a result of which It has been declared as Nodal Center by University for such activities. In this context, I appreciate CSE department and its commitment and initiatives in this noble context.**

**I also congratulate HoD Dr. Diwakar Yagyasen, Dr. Manuj Darbari and all the faculty for this issue of Magazine to highlight their achievements and major activities in this period.**

**I am sure Editor Dr. Avinash Gupta, Mr. Anurag Tiwari, Mr. Ankur Srivastava, Mr. Shadab Siddiqui and associated Students Editorial team will also come out with next issue.**

**Jai Hind**

***Prof. (Dr.) Bhavesh Kumar Chauhan***



## MESSAGE FROM THE DESK OF HEAD OF DEPARTMENT



**Prof. (Dr.) Diwakar Yagyasen**  
**20+ Years of Experience**  
**Intelligent Systems, Human Computer**  
**Interaction & Web Semantics**

**Dear Students,**

**It gives me immense pleasure in unveiling the CSE Digital Magazine “Bits and Bytes” April, 2021. Our college is one of the leading institutions in the Uttar Pradesh, North region, unique like a prism reflecting the manifold shades of learning and co curricular activities.**

**It’s great to see that “Bits and Bytes” e-Magazine of CSE Department of our institute is a grand success in this Covid-19 pandemic. The technology has been critical player in the fight against the pandemic. The education field is going through massive disruption with a sudden burst in virtual learning and your homes turning into classrooms. Education is going to be digital in foreseeable future and with right infrastructure and policies in place.**

**Our e-magazine is an excellent platform for collaborate on ideas, share our learnings and keeps us updated on information that is most important to us.**

**Many congratulations to Bits and Bytes team, faculty member and students for keeping up their motivation high and publish the edition of 2020-2021.**

***With best of regards,***

***Dr. Diwakar Yagyasen***



## EDITORIAL BOARD

**Dr. Avinash Gupta**

**Mr. Anurag Tiwari**

**Mr. Ankur Srivastava**

**Mr. Shadab Siddiqui**

## STUDENT COORDINATOR



**DIWAKAR TRIPATHI**  
**3<sup>RD</sup> YEAR**  
**CSE**



**KAYNAT FATIMA**  
**3<sup>RD</sup> YEAR**  
**CSE**



**RAHUL KUMAR PAL**  
**3<sup>RD</sup> YEAR**  
**CSE**



## MESSAGE FROM EDITORIAL TEAM!

It is with immense pleasure that we place in the hands of our readers of this edition of “Bits & Bytes” April 2021. This magazine is a platform of exhibit innovative, creative and technical ideas of students and teachers.

As you all aware, the outbreak of corona virus diseases (COVID-19) has been declared a public health emergency of international concern by WHO, and the epidemic had spread all around the world. The health and safety is the first priority and every one must support the government.

All of us must support the five steps of an awareness campaign to combat the COVID-19:

1. Wash your hands with soap and alcohol based solution.
2. Cover your nose and mouth with tissue or bent elbow, when you sneeze or cough.
3. Avoid touching your face, your eyes, nose or mouth to Prevent the virus from entering your body.
4. Maintain social distancing.
5. If you are not feeling well, stay at home and follow all instructions provided by your local health authorities.

Last but not least we would like to thank Prof. (Dr) Diwakar Yagyasen (HOD, CSE), our student coordinators for helping us pull this through. We hope you enjoy reading these articles, as seen through the BBDITM student’s journalistic eye.

**THANK YOU ALL!!**



# DEPARTMENTAL EVENTS ORGANIZED BY CSE



ONLINE TECHNICAL  
HACKATHON 2.0  
ON  
23-AUG-2020



CSI BBDITM  
STUDENT COUNCIL  
(DEPT. OF CSE AND DEPT. OF IT)



ANNOUNCES

ONLINE TECHNICAL  
HACKATHON  
2.0

23/08/2020  
(10 AM - 6 PM)

<No Pre-Registration | E-Certificates to All | For Both Team  
and Individual | Choose any one Problem Statement given in  
the Link Below/>

FOR COMPLETE  
DETAILS

<https://forms.gle/B3dFHjabkvr7NReF8>

FOR PPT  
SUBMISSION

<https://forms.gle/Agp5z1ciGU1xY9q8A>  
(active from 10am to 6pm, 23/08/2020)



UTKARSH UPADHYAY | 6306405282

KAYNAT FATIMA | 7388633787

# INAUGURATION OF CSI BBDITM STUDENT BRANCH ON 05-SEP-2020






BBDITM JOIN US IN CELEBRATING

## *Inaugural Ceremony*

For establishment of

**CSI BBDITM STUDENT BRANCH**

On  
**TEACHER'S DAY,**  
5<sup>TH</sup> OF SEPTEMBER, 2020. 12:00-1:30 p.m.

PLATFORM: 

**Chief Patron**



**Mrs. Alka Das**  
(Hon'ble Chairperson, BBD Group)

**Patrons**



**Mr. Viraj Sagar Das**  
(President, BBD Groups)



**Ms. Sonakshi Das**  
(Vice President, BBD Group)



**Prof. A.K. Nayak**  
(Immediate Past President, Academics and Award committee chairman, CSI)



**Mr. R.K. Vyas**  
(President, CSI)



**Mr. Arvind Sharma**  
(Vice President Region-1, CSI)



**Prof. B.K. Chauhan**  
(Director BBDITM)



**Dr. Pankaj Kumar Goswami**  
(Chairman at CSI Lucknow Chapter)



**Mr. Vinay Kumar Johri**  
(Hon. Secretary CSI Lucknow Chapter)

Designed By : UTKARSH UPADHYAY      Calls and query : Diwakar Tripathi : President (CSI) BBDITM Student Council : 6306697997

# INTERNATIONAL WEBINAR ON IT SECURITY ON 11-OCT-2020

**CSI BBDITM STUDENT BRANCH**  
Organizes One Day International Webinar On

**IT SECURITY**  
With Technical Collaboration Of  
**CSI Region 1 & Lucknow Chapter**  
Link -> <https://forms.gle/9dayUrgV44mRxMH7>

Registration Deadline  
10 Oct, 2020

PLATFORM --  
**zoom**

**Chief Patron**  
**Mrs. Alka Das**  
Hon'ble Chairperson BBD Group

**Patron**  
**Mr. Viraj Sagar Das**  
President, BBD Group

**Inaugural Address**  
**Prof. A.K Nayak**  
Chairman Academic & Awards Committee, CSI

**Presidential Address**  
**Mr. R.K Vyas**  
President, CSI

**RVP Address**  
**Mr. Arvind Sharma**  
Vice President Region-1, CSI

**Welcome Address**  
**Prof. B.K Chauhan**  
Director, BBDITM

**Key note Address**  
**Dr. Shailesh Kr. Shrivastava**  
Scientist & Head Digital, Govt. Research Center, NIC, Patna

**Invited Address**  
**Dr. Malaya Nayak**  
Executive Director, IT Buzz Ltd, London

**Invited Address**  
**Prof. Prashant R.Nair**  
Chairman, IQAC Amrita Vishwa Vidyapeetham Amrita School of Engg, Coimbatore

**On-Chairman Address**  
**Dr. Pankaj Kumar Goswami**  
Chairman at CSI Lucknow Chapter

**E-Certificates**  
Will Be Provided to  
Attendees **For \*Free**  
11<sup>th</sup> October 2020 at 2 p.m.

Designer: Uttaraksh Upadhyay & Rahul Kumar | Calls & Query - Diwakar Tripathi (President) CSI BBDITM STUDENT COUNCIL Ph.no. 6306697997

CSI Student Council of Department of Computer Science and Engineering & Department of Information Technology organized a One Day International Webinar on IT Security which was held on 11th October, 2020 from 2:00 PM to 5:00 PM on ZOOM application. The only motive of this webinar was to acknowledge, evolve and to make everyone aware about what is IT security and different aspects of security and to enhance our knowledge in this pandemic situation, and use a right way to increase our skills. The discussion was mainly based on Network and Application Security, Web Security and Cyber Security. In order to provide an exposure of the international webinar to the participants, organizing team strictly followed the standards, rules & regulations in a proper manner.



# LOGO DESIGN, POSTER MAKING, CONTENT WRITING COMPITION ON 20-OCT-2020

**CSI BBDITM STUDENT BRANCH**  
Announces

**3 DAYS COMPETITION SERIES**

for CSI Registered Student of BBDITM Only

**LOGO DESIGN CONTEST**  
OCTOBER 21  
3 PM TO 6 PM

**POSTER MAKING CONTEST**  
OCTOBER 22  
3 PM TO 9 PM

**Content Writing CONTEST**  
OCTOBER 23  
3 PM TO 6 PM

E- Certificate will be given to all the Participants While E- Certificate of Achievement will be Awarded to top three **PERFORMERS**

**REGISTER NOW**

**LAST DATE TO REGISTER 20<sup>TH</sup> OCTOBER 2020**  
(Scan QR code for more instructions)

For any Query contact

Riya Gupta  
(Secretary CSI BBDITM STUDENT COUNCIL)  
+91 7570865870

Varun Dixit  
(Joint Secretary CSI BBDITM STUDENT COUNCIL)  
+91 7236950345

“Power of imagination makes us infinite”, keeping this thought in mind Student Council of Department of CSE and IT (BBDITM-054) organized a Three Days event on Logo Designing, Poster Making and Content Writing Competition on 21st, 22nd and 23rd October 2020 respectively, exclusively for CSI BBDITM Team Members. Plagiarism was checked by the judges during the evaluation. The guidelines, rules and regulations of the event were also given to the participants according to the competitions. It came out to be a great platform for the participants to showcase their talent on digital platforms.

## DIGITAL AWARENESS AND WOMEN EMPOWERMENT PROGRAM AT LONAPUR VILLAGE, LUCKNOW ON 05-NOV-2020



Dr. Bhavesh Kumar Chauhan, Director, BBDITM (054) addressing the audience at Lonapur village on the topic "Women Empowerment and Digital Awareness"

Student council of Dept. of CSE and IT(BBDITM-054) of CSI BBDITM STUDENT BRANCH and Div-IV Communication, CSI organized a Digital Awareness Workshop at Lonapur Village, Lucknow on 5<sup>th</sup> November,2020.

The workshop was conducted in presence of Prof. Dr. Bhavesh Kumar Chauhan, Director BBDITM-054, Prof. Dr. Manuj Darbari, and Prof. Dr. Diwakar Yagyasen, Head of Department of Computer Science and Engineering, Mr. Shadab Siddiqui & Mr. Zulfikar Ali Ansari, Faculty of Computer Science & Engineering.

Both the Faculty of Computer Science and Engineering and Department of Information Technology spoke on various topics related to cyber security and women empowerment. The Student Council then took the stage and organized an open mic quiz for the audience. Villagers and students who gave correct answers were given prizes.

The program concluded with the performance of the village children who enthusiastically showcased their talent. Overall, the event was a sure success and all dispersed with a sincere hope that such events should be organized time and again.



# INDIA AND DIGITAL TRANSFORMATION WEBINAR ON 29-NOV-2020

**CSI BBDITM STUDENT BRANCH**  
and  
**Div-IV Communication, CSI**  
organizes

**One Day National Webinar**  
**INDIA AND DIGITAL TRANSFORMATION**  
On 29 November, 2020 AT 11AM

**CHIEF PATRON**  
Mrs. Alka Das  
(Hon'ble Chairperson, BBD Group)

**PATRON**  
Mr. Viraj Sagar Das  
(President, BBD Group)

**E-CERTIFICATES WILL BE PROVIDED TO ALL ATTENDEES**

<b>CHIEF GUEST</b>  Prof. A.K. Nayak (IPP, Chairperson Academics & Award Committee, CSI)	<b>PRESIDE OVER</b>  Mr. R.K. Vyas (President, CSI)	<b>GUEST OF HONOR</b>  Dr. Durgesh Kr. Mishra (Professor & Director Sri Aurobindo Institute Of Technology, Indore)	<b>DISTINGUISHED GUEST</b>  Dr. B. Chidambaram (Chairman Div-IV Communication, CSI)
<b>DISTINGUISHED GUEST</b>  Prof. Arvind Sharma (RVP-I, CSI)	<b>KEYNOTE ADDRESS</b>  Dr. Shailesh Kr. Srivastava (Scientist & Head Digital Govt. Research Center, NIC, Patna)	<b>INVITED ADDRESS</b>  Prof. Dr. Sunil Pandey (Director IT & LG Program ITS, Gwalabad)	<b>CONVENOR</b>  Prof. Dr. B.K. Chauhan (Director BBDITM, Lucknow)

• **REGISTRATION IS FREE**  
<https://forms.gle/71NY9jh9hFMSJ2h6>

Call & query : Diwakar Tripathi (President, CSI BBDITM Student Council)  
Phone No. - 6306697 997

Student council of Dept. of CSE and IT(BBDITM-054) of CSI BBDITM STUDENT BRANCH and Div-IV Communication, CSI organized a One-day National Webinar on INDIA AND DIGITAL TRANSFORMATION. It was conducted on Google meet app on 29/11/2020 from 11:00 am - 01:20 pm.

Our respected Director of BBDITM Prof. B.K. Chauhan sir welcomed the guests, speakers and all the attendees. The event was inaugurated by Prof. A.K Nayak sir. He mentioned about his programs done under DIGITAL INDIA during COVID-19 pandemic and remarked his presence by making us aware with the Digital transformation.

The webinar ended with a thank note by our Director CSI Patron Director BBDITM, Prof. (Dr.) Bhavesh Kumar Chauhan, CSI Branch Coordinator HOD –CSE, Prof. (Dr.) Diwakar Yagyasen and CSI Branch Counsellor Mr. Shadab Siddiqui & Mr. Zulfikar Ali Ansari.

This event was witnessed with more than 100 participants including the students and faculties across India.

# TECHNO GROUPS

1. IIC CELL

2. CSI CELL





## IIC – CELL (CSE DEPARTMENT)



**Institutional Innovation Council (IIC) is a Great Platform for Students to interact and improve themselves regarding their skills. It gives many opportunities to the candidates for their future perspectives. CSE Department of BBDITM has been actively working on the sessions of IIC.**

# 1<sup>ST</sup> RANK AMONG ALL COLLEGES IN LUCKNOW WITH 3 – STAR RATING IN IIC (2019-20)





## IIC Cell of CSE



**The CSE Department of BBDITM was very collaborative and efficient. The faculties were also involved and actively participated in the sessions. All the events successfully organized and arranged, and faculties guided the candidates to participate and learn ethics throughout the course for their future perspectives.**

**IIC is a motivational Platform for Students to enhance and improve their skills. It gives many opportunities to the candidates for their future perspectives. CSE Department of BBDITM has been actively working on the sessions of IIC.**





**As the event held successfully, the certificates of merits and appreciations are provided to encourage the participants.**


**Every participation and achievements is appreciated by the faculty as well as other authority.**







## **IIC – CELL FACULTY COORDINATOR 2020-21**


<b>S.NO.</b>	<b>DEPARTMENT NAME</b>	<b>COORDINATOR NAME</b>
<b>1</b>	<b>Innovation Activity</b>	<b>Mr. Shadab Siddiqui Mr. Zulfikar Ali Ansari</b>
<b>2</b>	<b>Start-up Activity</b>	<b>Mr. Piyush Kumar Singh</b>
<b>3</b>	<b>Internship Coordinator</b>	<b>Mr. Anurag Tiwari</b>
<b>4</b>	<b>IPR Activity</b>	<b>Mr. Gunjan Mishra</b>
<b>5</b>	<b>Social Media</b>	<b>Mr. Ankur Srivastava</b>
<b>6</b>	<b>ARIIA</b>	<b>Mr. Rudrendra Bahadur Singh</b>
<b>7</b>	<b>NIRF</b>	<b>Mr. Himanshu Shukla</b>



## INTERACTIVE SESSION ORGANISED BY CSE DEPARTMENT ON THE TOPIC “Process of Innovation Development”


**BABU BANARASI DAS**  
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AKTU COLLEGE CODE - 054


COMPUTER SOCIETY OF INDIA  
ESTD. 1965  
and many others


INSTITUTION'S  
INNOVATION  
COUNCIL  
(Ministry of HRD Initiative)


**INSTITUTION'S INNOVATION COUNCIL (IIC)**  
**INTERACTIVE SESSION**  
**ON**  
**“Process of Innovation Development”**  
**PROUDLY ORGANIZED BY:**  
**DEPARTMENT**  
**OF**  
**COMPUTER SCIENCE AND ENGINEERING**  
**AND**  
**DEPARTMENT OF INFORMATION TECHNOLOGY**

**Mr. DIVYA PRITWANI**  
**(Chief Executive Officer )**  
**AIC (Atal Incubation**  
**Center)**

**TIME TO START UP**

**29**  
**29<sup>TH</sup> DECEMBER, 2020**

**11:00 AM – 12:00 PM**

  
<https://meet.google.com/yvi-amsj-sdm>

**CONVENOR: Mr. Shadab Siddiqui and Mr. Zulfikar Ali Ansari**  
**(Assistant Professor, CSE Department)**



# INTERACTIVE SESSION ON “MY STORY–Motivational Session by Successful Innovator

**BABU BANARASI DAS**  
INSTITUTE OF TECHNOLOGY AND MANAGEMENT  
(Formerly Known as Babu Banarasi Das National Institute of Technology and Management)  
(Recognized by AICTE, Govt. of India, affiliated to Dr. A.P.J. Abdul Kalam Technical University, Lucknow)  
ARTU COLLEGE CODE - 034

**COMPUTER SOCIETY OF INDIA**  
ESTD. 1963  
BE BANG BANG

**INSTITUTION'S INNOVATION COUNCIL**  
(Ministry of HRD Initiative)

**INSITUTION'S INNOVATION COUNCIL (IIC)**  
**INNOVATIVE SESSION**  
**Organized By:**  
**Department of Computer Science and Engineering**

**Mr. Ashlesh Shukla**  
(FOUNDER AND CEO)  
(MANNASH Solutions Private Limited)

**TOPIC**  
“MY STORY- Motivational Session by  
Successful Innovator”

PARTICIPANTS WILL GET AN E-CERTIFICATE

**JOIN WITH GOOGLE MEET:**  
<https://meet.google.com/xqr-gabx-mgz>

**24** **24TH DECEMBER 2020**  
**11:00 AM – 12:00 PM**

**Convenor: Mr. Shadab Siddiqui and Mr. Zulfikar Ali Ansari**  
(Assistant Professor, CSE Department)

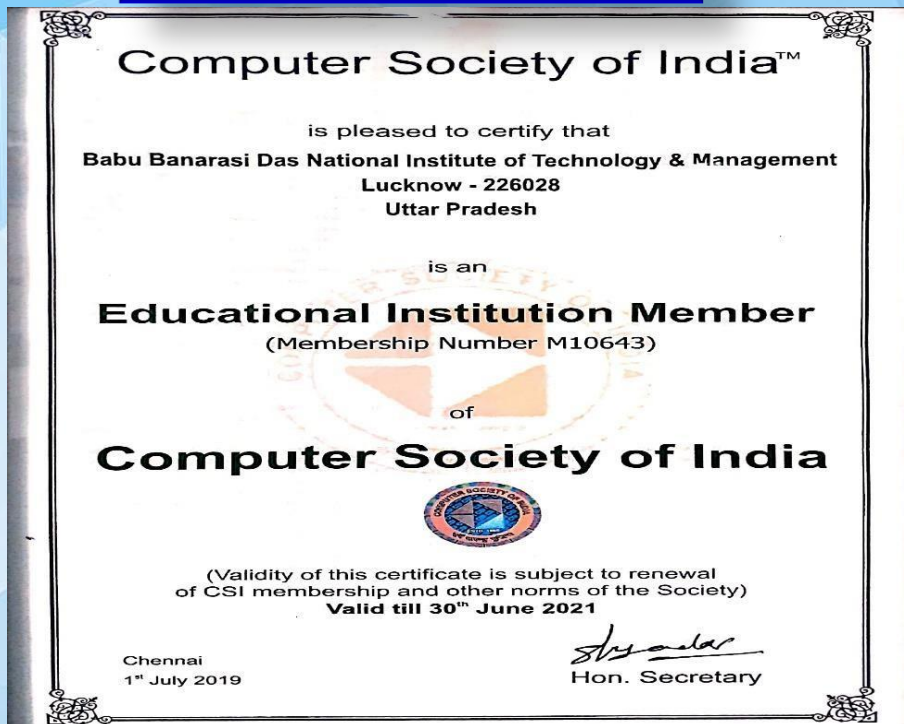
One day workshop entitled “MY STORY–Motivational Session by Successful Innovator” on December 24th 2020 for the students of B.Tech CSE under the supervision of Dr. Diwakar Yagyasen (Professor and Head CSE) and Conveners Mr. Zulfikar Ali Ansari, Mr. Shadab Siddiqui. The objective of the session was an initiative to encourage students to come up with innovative ideas. Eminent speaker motivates and enhanced the students to build up a “Culture for Innovation” and to develop a culture for Innovative thought.



# CSI CELL



# CSI CELL



**Computer Society of India (CSI) is the first and largest body of computer professionals in India. It was started on 6 March 1965 by a few computer professionals and has now grown to be the national body representing computer professionals.**

## **GLOBAL AFFILIATIONS**

- **Only Member in IFIP from India (International Federation for Information Processing)**
- **Leading Member of SEARCC (South East Asia Regional Computer Confederation)**
- **Partner of IEEE Computer Society (Institute of Electrical and Electronic Institution)**
- **MOU with Springer for publication of Proceedings of Conferences organized by CSI Transactions on ICT**
- **Have MOUs with PMI (Project Management Institute)**
- **Have MOUs with MYANMAR (Computer Professional Association)**

# CSI BBDITM Student Council

## Session ODD 2020-21

### PATRON



**Prof. (Dr.) B.K. Chauhan**  
Director,  
BBD Institute of Technology  
and Management



**Prof. (Dr.) Manuj Darbari**  
Head – R & D,  
BBD Institute of Technology  
and Management

### STUDENT BRANCH COORDINATOR



**Prof. (Dr.) Diwakar Yagyasen**  
Head - CSE Department, BBD  
Institute of Technology and  
Management

### STUDENT BRANCH COUNSELOR



**Mr. Shadab Siddiqui**  
Assistant Professor  
CSE Department,  
BBD Institute of  
Technology and  
Management



**Mr. Zulfikar Ali Ansari**  
Assistant Professor  
CSE Department,  
BBD Institute of  
Technology and  
Management

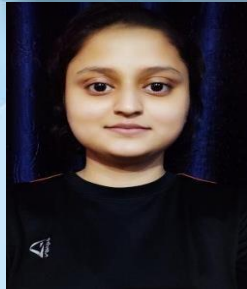


## CSI STUDENT COUNCIL

### ANCHORS



**ANUGRAH  
CHATURVEDI**  
2nd Year - CSE



**WAJEEHA  
HUSSAIN**  
2nd Year - CSE



**PULKIT GARG**  
3rd Year - CSE



**SANJANA  
SINHA**  
2nd Year - CSE



**PRIYANKA  
MAURYA**  
2nd Year - CSE

### EVENT COORDINATOR

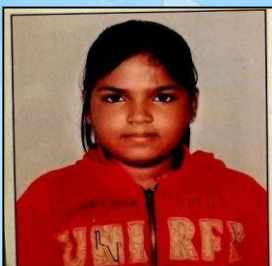


**UTKARSH  
UPADHYAY**  
3rd year- IT



**VED GUPTA**  
3rd Year-IT

## DESIGNERS



**SAKSHI YADAV**  
2nd Year- CSE



**RAHUL KUMAR  
PAL**  
3rd Year- CSE



**SAURABH  
KUMAR SINGH**  
2nd Year- CSE



**VIVEK KUMAR  
YADAV**  
2nd Year- CSE

## VIDEO AND PHOTO EDITORS



**JAMSHER  
SHEKH**  
2nd Year- CSE



**NIDHI GUPTA**  
2nd Year- CSE



**SHAILESH  
MISHRA**  
2nd Year- CSE



**SURYANSH  
TIWARI**  
2nd Year- CSE



**RUDRA PRATAP  
SINGH**  
2nd Year- CSE



## DOCUMENTATION TEAM



**MINAKSHI  
SHAMBHAVEE**  
3rd Year- IT



**BRIJESH  
YADAV**  
3rd Year- CSE



**SHAYESHTA  
SANA**  
2nd Year- CSE



**TUBA RIZVI**  
2nd Year- CSE

## SOCIAL MEDIA COORDINATOR AND EVENT PROMOTER



**SARTHAK  
GUPTA**  
3rd Year- IT



**PRABHANSH  
YADAV**  
2nd Year- CSE

## DEPARTMENTAL PUBLICATIONS OF CSI MAGAZINE

**JUNE 2020**

**Lucknow Chapter Webinar Program**  
Co-sponsored by Lucknow Christian College in association with CSI Lucknow Chapter

Generated by Mr. Andrew Sheehan



Webinar on "Are we heading towards the end of cloud computing?"

Dep. of Computer Science of Lockwood Heath, Dugdale College, and a professor in association with Computer Science of Middle Lockwood Chapter on 30 May, 2020 at 5:36 pm. The theatre of this webinar was "Are we heading towards the end of Cloud Computing?" **Dr. Shashi Kumar**, Director, Mitt Rajuraj was the Key Note Speaker. **Dr. Ravi K. Vyasa**, President, ISG presented the keynote and the Opening Remarks were offered by **Dr. A. K. Srinivasan**, Vice President, ISG. The Webinar was moderated by **Dr. S. Srinivasan**, Principal, SCS of the college welcomed the audience. In his opening remarks, **Dr. Shashi Kumar** emphasized on quantum computing and explained how the Cloud Computing might gain impetus with the advent of Next Technology. **Dr. Ravi K. Vyasa** stressed on the point that the need of technological advancement is inevitable and so is the change in technology. He also said that the Cloud Computing is the future of the technology and the next Annual Convention of ISG is going to be held in Lockwood.

In his address, **Dr. Arun Choudhary** explained in very simple and convincing manner the Cloud Technology, how it works and its benefits of this technology. During this he explained the importance of real time computing and why the delay of even one second **was** to be accepted. Then after establishing the working knowledge of Cloud Computing he explained the need for edge computing and future of Edge Services. It was the wisdom of the speaker that he could explain the complex topic in simple words in such a way that even the **non-IT** persons attending the webinar were satisfied to get an insight in the latest technology. Mr. Arun Choudhary, **Professor** of the Dept. of Computer Science, at Christa Degree

The wedding was attended by approx. 200 persons including Faculty, Students, Parents, CMA Members, couple of their Students.

Coordinators from different cities of UP including Lucknow, Varanasi, Kanpur, Gorakhpur etc. The Regional Dy. Director, Asst. Directors at Indira Gandhi National Open University, Lucknow also attended the meeting.

## AWS Core Services (Cloud Computing)

[illegible]

CSI COMMUNICATIONS | JUNE 2020

## CSI BBDNITM Student Branch - Webinar

Directed by Prof. Manoj Tripathi, President, CQ RICHITA Student Branch, Lucknow

## Student Development Program

CSI Student Council had conducted a two-day workshop on Web Designing on 13th and 14th, June 2020, lasting for a total of 5 hours. The workshop was by A. K. Nayak (Past President CSI) as chief guest and Dr. Swasti Agrawal (Director, Precursor) as Trainer and receive an overwhelming response of 220 participants from all colleges across INDIA. The workshop was marked by the presence of CSI Chief Patron Director IBSE/ITM, (Dr.) Bhawesh Kumar Chauhan, CSI Chief Patron HOD-IT, Prof. (Dr.) Manoj Dabral, CSI Branch Coordinator HOD-CE, Prof. (Dr.) Diwanu Yagnaseni, CSI Branch Coordinator HOD-CE, Prof. (Dr.) Shabbir Siddiqui and CSI Branch Asst. Professors Prof. Shabbir Siddiqui and Prof. Zulfkar Ali Ansari.



The day 1 of workshop begin with HTML, CSS, Bootstrap, Ajax and JavaScript Programming. The 2 day of the workshop covered introduction to Django Architecture and Django Project Creation with Database Connectivity. The entire session was very informative and interactive. All the queries were solved by the trainer. By the end of the session students were asked to give a assessment on the basics of workshop session. Online feedback form was given among all attendees and ask for their personal feedback by strictly maintaining the data privacy in the form. Amazing (55.5%), better (40%) good (9.95%), bad (2%).

## E-Workshop

The **workshop** on **DATA SCIENCE** Student Branch was conducted as two-day e-workshop on "Web Development using Django" on the 13th and 14th June 2020, from 10:30 am - 1:00 pm. The workshop had the following participants: **Dr. A.K. Nayak** (Past President CGS) as chief guest and **Dr. Swati Agrawal** (Director, PGU) as Trainer and received an overwhelming response from the students. The inauguration of the workshop was marked by the presence of **CS Chair Prof. Dr. BERNET, Dr. (M.) Bhawesh Kumar Chandra, CS Chair Prof. HOD-IT, Prof. (Dr.) Manoj Dabral, CS Chair Coordinator HOD-CSE, Prof. (Dr.) Dinesh Yagnesh, CS Branch Counsellor Asst. Professor (Dr.) S. S. Sankar** and **Dr. S. S. Sankar** as the guest of honor. The **STUDENTS CHAPTER** President **Dhruva Tripathi**. The session was inaugurated by welcoming the chief guest, guests, trainer and all the attendees. The day 1 of workshop begin with HTML, CSS, Bootstrap, Django and Python Programming. The 2 day of the workshop covered the topics like Django framework, Django ORM, Django REST API, Database Connectivity. The main aim of this event was to train

students with live projects demonstration and live proto-type building. The entire session was very informative and interactive. All the queries were solved by the trainer and the session was concluded with the Vote of Thanks. By the end of the session, students were asked to give an assessment in the form of quiz on the basics of workshop wherein the qualifying criterion was 40%. Top 3 scorers were declared as winner and those who secured between 70-100% were granted 'E-Certificate of Achievement' and those who secured between 40-70% were granted 'E-Certificate of Participation'. Online feedback form was given among all attendees and ask for their personal feedback by strictly maintaining the data privacy in the form. Amazing (55.5%), Better (40%), Good (59.5%), Bad (2%).



## IT Modernization

**Modernization**

The modernization initiative was organized by the CSI BENIGNITY STUDENT CHAPTER of Dept. of CSE and Dept of IT. Mr. Anil Srivastava, Director, IT of HOD Technology was the speaker of the day. It was conducted on Microsoft Team on 08/09/2016 at 10 AM. The event was inaugurated by Dr. Manoj Dabral. Welcome of our guest including CSI Chair/Patrons Director Benignity Prof. Dr. Bhawesh Kumar Chaudhary and HOD IT Prof. Dr. Manoj Dabral. CSI Branch Co-ordinator, HOD CSE Prof. Dr. Dhruv Vaidyanathan, Dean Academics Prof. Dr. Suman Kataria, Head of Institute, Mr. Anil Srivastava & Training & Placement Officer Prof. Arunag Taneja. Then, the speaker explained about the IT Modernization, what are its importance areas in services. He elaborated the leveraging technology in service industry like cloud computing, mobile computing etc.

The event was witnessed with 205 participants including the students and faculty across India. Q/A round was conducted then the evening session ended.

The audience was highly pleased to be a part of such an event and heaped praises and wanted to have some more events like this. Quiz was conducted and top 3 scorers of the quiz were declared as the Winner of Webinar Quiz. Students who secured more than 70% were granted E-Certificate of Achievement and all those who appeared in QUIZ were granted E-Certificate of Participation.



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+40+

CSI COMMUNICATIONS | JULY 2020

JULY 2020



# DEPARTMENTAL PUBLICATIONS OF CSI MAGAZINE

## REPORTS



### Online Technical Hackathon (OTH)

Reported by Diwakar Tripathi, President at CSI BBDITM student council, Lucknow

SEPTEMBER  
2020



CSI BBDITM Student Council of Dept. of Computer Science Engineering and Dept. of Information Technology organized Online Technical Hackathon 2.0 on 23rd August 2020. Under the guidance of our Director Dr. Bhavesh Kumar Chauhan; our Patron, Dr. Manuj Darbari; Branch Co-ordinator, Dr. Diwakar Yagyasen and Branch Counsellors, Prof. Zulfikar Ali Ansari & Prof. Shadab Siddiqui, the council launched the hackathon to bring about creativity among students and encourage practical learning. Participants from all over the country are allowed to participate as a team of 2 to 5 or as an individual. Students are challenged to propose ideas and solutions to problem statements chosen by the council that impacts different technical domains of our country. The event posters were launched a week prior to the submission date, there were no registrations this time to give the participants flexibility in teaming and working. On 23rd August, the PPT submission portal created by the council was opened for entries to be submitted from 10am to 6pm. The Submissions were all checked by the council members based on an evaluation scheme devised in such a way that it takes in consideration Creativity, Usefulness, Implementation, Quality and Content. The Results were announced the very next day on 24th August by notifying each participant using email and a Winners Poster is published on Social Media. The Top 3 positions were awarded the Certificate of Achievement while each and every participant was given a Certificate of Participation. The feedback of the event was overwhelmingly positive and the students turn out was more than expected as both teams and individuals participated.

## STUDENT BRANCHES INAUGURATION REPORTS

BABU BANARASI DAS INST. OF TECH. AND MANAGEMENT

Reported by Mr. Diwakar Tripathi, President at CSI BBDITM Student Council



CSI BBDITM Student Council of Department of Computer Science and Engineering and Department of Information Technology organized Inauguration Ceremony of CSI Student Branch of BBDITM on the auspicious occasion of Teacher's Day on 5th September 2020. Under the guidance of our Director, Prof. (Dr.) Bhavesh Kumar Chauhan; our Patron, Dr. Manuj Darbari; CSI Branch Coordinator, Dr. Diwakar Yagyasen and Branch Counsellors, Mr. Zulfikar Ali Ansari & Mr. Shadab Siddiqui, the council organized the event to congratulate and familiarize the new member of CSI BBDITM Team from every year and branch. The event was graced by the presence of

- Prof. A. K. Nayak, Immediate Past President, Academics and Award Committee Chairman, CSI;

- Mr. R. K. Vyas, President, CSI;
- Mr. Arvind Sharma, Vice President Region-1, CSI;
- Dr. Pankaj Kumar Goswami, Chairman, CSI Lucknow Chapter;
- Mr. Vinay Kumar Jhari, Hon. Secretary CSI Lucknow Chapter.

The promotion poster was released to announce to everyone that our college finally is a Student Branch along with the details about the inaugural event. On 5th September, after sharing formal greetings and wishing each and every faculty present a Happy Teacher's Day we went on ahead with the event. The event was hosted on zoom and was live broadcasted on YouTube simultaneously.

The anchors welcomed our guests and introduced them to the audience followed by a online presentation showing all the achievements and past activities of CSI BBDITM Student Council to our newly joined team members. Afterwards the Convener Dr. Bhavesh Kumar Chauhan, Director BBDITM, gave a welcome speech to the audience and guests. The official inauguration was then commenced by Prof. A. K. Nayak followed by his inaugural address in which he talked about the importance of Teacher's Day and then the role of a community among students. Following him, Mr. R.K. Vyas gave his presidential address to the audience and thanked all in attendance for becoming a part of CSI. Guest of Honour- Mr. Arvind Sharma shared with the audience his valuable experience followed by Dr. Pankaj Kumar Goswami who reiterated the role a community plays in a student's life along with various career paths available to the current generation. Lastly Mr. Vinay Kumar Jhari addressed everyone and congratulated the audience members on becoming a member of CSI and congratulated the college on becoming a student branch. At last the anchors invited our Chair Patron, Dr. Manuj Darbari who gave the vote of thanks to all the distinguished guests and CSI officials and then our Student Branch Coordinator Dr. Diwakar Yagyasen concluded by thanking the CSI administration for their great cooperation and their partnership as a student branch. The anchors thanked every audience member for their patience and support and the event ended.

The feedback of the event was overwhelmingly positive with great enthusiasm amongst the members for future events. With this we concluded the inauguration of CSI BBDITM Student Branch. About 370 students, faculty members and CSI Office bearers from BBDITM and also from other colleges attended our inaugural function.

OCTOBER  
2020

## DEPARTMENTAL PUBLICATIONS OF CSI MAGAZINE

### REPORTS



## One day International Webinar on IT Security

With Technical Collaboration of CSI Region I & Lucknow Chapter Reported

Student Council of Dept. of CSE and IT(BBDITM-054) of CSI BBDITM Student Branch organized One day International Webinar on IT SECURITY with Technical Collaboration of CSI Region I & Lucknow Chapter. It was conducted on Zoom meeting app on 11/10/2020 from 02:00 pm-05:00 pm. The webinar was marked by the presence of Chief Patron Mrs. Alka Das (Hon'ble Chairperson BBD Group), Patron Mr. Viraj Sagar Das (President, BBD Group), CSI Patron Director BBDITM, Prof. (Dr.) Bhavesh Kumar Chauhan, CSI Patron HOD-IT, Prof. (Dr.) Manuj Darbari, CSI Branch Coordinator HOD – CSE, Prof. (Dr.) Diwakar Yagyasen, CSI Branch Counsellors Asst. Professors Prof. Shadab Siddiqui and Prof. Zulfikar Ali Ansari. Event was started by our respected Director of BBDITM Prof. B. K. Chauhan sir by welcoming the guests, speakers and all the attendees. The event was inaugurated by Prof. A.K Nayak sir (Chairman Academic & Awards Committee, CSI). He mentioned his past experience, about ICT application, programs done under DIGITAL INDIA during COVID-19 pandemic and also introduced importance of IT security in our daily life. The President of CSI Mr. R. K. Vyas sir gave his presidential speech in which he shared his past experience with Nayak sir. The Vice President Region-1 CSI Mr. Arvind Sharma sir mentioned why we need IT security in our daily life by relating it with Mask and Covid-19 in a very beautiful way. Key notes of the event were added by Dr. Shailesh Kr. Shrivastava sir (Scientist & Head Digital, Govt. Research Centre, NIC, Patna). Our speakers Dr. Malaya Nayak sir (Executive Director, IT Buzz Ltd. London) and Prof. Prashant R.Nair sir (Chairman, IQAC Amrita Vishwa Vidyapeetham Amrita School Of Engg. Coimbatore) explained IT SECURITY its type, Forcepoint, Aspects of IT security and some tips how to save our data from hackers. The event was ended with thank note by Dr. Pankaj Kumar Goswami sir (Chairman at CSI Lucknow Chapter) and , CSI Branch Coordinator HOD –CSE, Prof. (Dr.) Diwakar Yagyasen sir. The event was witnessed with more than 200 participants including the students and faculties across India. We also provided certificate of participation to each and every participants of the event.




Link to watch it on YouTube :- <https://youtu.be/aRDkFzdOXoI>

DECEMBER  
2020





# ACHIEVEMENTS

A photograph showing the hands of several people stacked together in a circle on a wooden desk. The hands are of various skin tones. In the background, there are two laptops, a smartphone, a coffee cup, and some office supplies. The scene is lit with warm, natural light.

**THERE IS NO MAGIC TO  
ACHEIVEMENT,  
IT'S REALLY ABOUT HARD WORK,  
CHOICES AND PERSISTENCE...**

# ACHEIVEMENTS OF CSE DEPARTMENT



**BABU BANARASI DAS INSTITUTE OF TECHNOLOGY & MANAGEMENT, LUCKNOW**

**Congratulations!**

**Dr. Diwakar Yagyasen** (HOD C.S.E, BBDITM, Lucknow)  
as Resource Person AICTE Sponsored One Week Online  
Short Term Training Program on **"Role of Artificial Intelligence  
in Engineering Applications"** on date 10/12/2020 timing 2.00-4.00 pm  
Topic : **"Deep Learning"** at Sanskrithi School of Engineering, Puttaparthi, A.P.



**Congratulations!**



# ACHEIVEMENTS OF CSE DEPARTMENT



# ACHEIVEMENTS OF CSE DEPARTMENT

**IEEE BBDITM** Student Branch / **IEEE COMPUTER SOCIETY**

## \*CONGRATULATIONS\*

NEWLY APPOINTED IEEE BBDITM COMPUTER SOCIETY EXECUTIVE COMMITTEE

 <b>Prof. Rafik Ahmed</b> <b>COMPUTER SOCIETY</b> <b>ADVISOR</b>	 <b>Prof. Abhishek Sharma</b> <b>COMPUTER SOCIETY</b> <b>COUNSELOR</b>
 <b>Diwakar Tripathi</b> <b>CHAIR</b>	 <b>Jainendra Kishor</b> <b>VICE-CHAIR</b>
 <b>Brijesh Yadav</b> <b>SECRETARY</b>	 <b>Mahek Singh</b> <b>TREASURER</b>
 <b>Shashank Kumar</b> <b>WEBMASTER</b>	



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  @ <https://edu.ieee.org/in-bbdnitm/>



# STUDENTS ACHIEVEMENTS

S. No.	Full Name	Course/Branch	Year (2020 -21)	Section	Event Name & Description
1.	Ayush Raj Srivastava	B. Tech/ CSE	3 <sup>rd</sup>	CS-31	(Code Gladiator 2020) Coding contest organized by Techgig in September 2020 having over 2,00,000 participants.
2.	Jamsher Sheikh	B. Tech/ CSE	2 <sup>nd</sup>	CS-22	(Online Technical Hackathon 2.0 Organized by CSI BBDITM STUDENT COUNCIL
3.	Aviral Shukla	B. Tech/ CSE	3 <sup>rd</sup>	CS-31	IILM Fest: ZEAL 2020 1 <sup>st</sup> position in MARKETHON (AD-MAD) and SOUL RENDER (GROUP SINGING) SRM FEST: ABHIVYAKTI 2020 1 <sup>st</sup> position in PICTIONARY
4.	Pranjali Pal	B. Tech/ CSE	2 <sup>nd</sup>	CS-22	CSI BBDITM Student Council organized 3-Day Competition Series for CSI BBDITM Team from 21 <sup>st</sup> to 23 <sup>rd</sup> October 2020 secured first position in Content Writing Competition and secured second position in Relay Race in Utkarsh 2020 where he got a silvermedal.

S.No.	Full Name	Course/ Branch	Year (2020-21)	Section	Event Name & Description
5.	Shreishth Agarwal	B. Tech/ CSE	2nd	CS-23	Silver Medal In Corpwalk in Udgam Fest held ad BBDU
6.	Pradyumn Mishra	B. Tech/ CSE	3rd	CS-32	CAME FIRST IN BAMBOO TECH ->PLACED THIRD IN THE HACKATHON 2.0 organized by CSI(Computer Society Of India) .
7.	Shreishth Agarwal	B. Tech/ CSE	3rd	CS-33	AKTU State Level Gold AKTU Zonal Level Gold IILM tug of war Gold BBD Debate Competition Gold IILM FASHIONISTA GOLD IILM FASHIONISTA Silver BBDU Udgam Corpwalk Silver LPCPS Presentation Bronze LPCPS Selfie Competition Silver
8.	Sagar Srivastava	B. Tech/ CSE	3rd	CS-33	TECH-EXPO(BBDEG-UTKARSH) - FIRST(1500 CASH PRIZE) E-YANTRA(IIT-BOMBAY) - STAGE 3 (ONLY TEAM IN BBDEG TO QUALIFY) LEXICON(BBDITM-ENGLISH POETRY) - SECOND LEXICON(BBDITM- URDU POETRY) - FIRST ONLINE TECHNICAL HACKATHON(BBDITM) - FOURTH



S.No.	Full Name	Course/ Branch	Year (2020-21)	Section	Event Name & Description
9.	Shahrukh Khan	B. Tech/ CSE	2 <sup>nd</sup>	CS-23	"Content writing competition" of 3 Days competition series organized by CSI Student Branch( CSI Student council of Dept. of CSE and Dept. of IT BBDITM-054) held on 23rd October 2020. and there he secured 2nd position
10.	Prerna Jhingran	B. Tech/ CSE	2 <sup>nd</sup>	CS-22	Dr Abdul Kalam Sports Fest AKTU 2019-20 (zonal level ) organized by Goel Institute of Technology and Management. Participation in volleyball
11.	Rajni Danu	B. Tech/ CSE	2 <sup>nd</sup>	CS-22	Dr. Abdul Kalam Sports Fest AKTU (Zonal Level) 2019-20 Organized by Goel Institute of Technology & Management , Lucknow. Event name was Volleyball and secured first position.

**Our CSE department students Diwakar Tripathi and Shivani Awasthi written an article on the topic of “Robotics: Requirements of todays and future generations” which is published in the CSI Lucknow Chapter Newsletter TechWings@CsiLko**



#### Author's Gallery

Robotics: Requirements of todays and future generation  
Diwakar Tripathi Shivani Awasthi

diwakartripathi2000@gmail.com vani.awasthi1999@gmail.com

#### About the Authors



**Diwakar Tripathi** (Membership Id : 01541686) currently pursuing B.Tech. (5th sem) in the stream of Computer Science and Engineering at Babu Banarasi Das Institute of Technology and Management, Lucknow. He is interested in exploring new trends in technology and on problem solving methodology. His current research interest in Robotics, Drones, deep learning and networking.



**Shivani Awasthi** (Membership Id : 01541646) currently pursuing B.Tech. (7th sem) in the stream of Computer Science and Engineering at Babu Banarasi Das Institute of Technology and Management, Lucknow. She is interested in exploring new trends in technology and on problem solving methodology. Her current research interest in robotics, cyber security and data science.

#### Introduction

Robotics is the engineering science and technology of robots, and their design, manufacture, application, and structural disposition. It requires a working knowledge of electronics, mechanics, and software. If we say it in simple format then we can say need good knowledge of both hardware and software for Robotics.

#### Types Of Robots

There are listed type of the robots on the basis of use in different fields.

- 1) Drones 2) Aerospace Robot 3) Consumer Robot 4) Disaster Response Robot 5) Education Robot 6) Entertainment Robot 7) Exoskeletons Robot 8) Humanoids Robot 9) Industrial Robot 10) Medical Robot 11) Military & Security Robot 12) Research Robot 13) Self-Driving Cars Robot 14) Telepresence Robot 15) Underwater

#### Application of Robots

- Helping fight forest fires
- Working alongside humans in manufacturing plants (known as co-bots)
- Robots that offer companionship to elderly individuals
- Surgical assistants
- Last-mile package and food order delivery
- Autonomous household robots that carry out tasks like vacuuming and mowing the grass
- Assisting with finding items and carrying them throughout warehouses
- Used during search-and-rescue missions after natural disasters

**Our CSE department students Diwakar Tripathi and Shivani Awasthi written an article on the topic “Robotics: Requirements of todays and future generations” which is published in the CSI ADHYAYAN**





**DR. DIWAKER YAGYASEN**  
**PROFESSOR**

**Modeling and Simulation of Queuing Models through the concept of Petri Nets in Advances in Distributed Computing and Artificial Intelligence ADCAIJ Indexed in: Emerging Sources Citation Index (ESCI) Vol 9 no.9**



**MR. SHADAB SIDDIQUI**  
**ASSISTANT PROFESSOR**

**Modeling and Simulation of Queuing Models through the concept of Petri Nets in Advances in Distributed Computing and Artificial Intelligence ADCAIJ Indexed in: Emerging Sources Citation Index (ESCI) Vol 9 no.9, Jan-2021.**

**An QPSL Queuing Model for Load Balancing in Cloud Computing in IJeC (International Journal of e-Collaboration) Indexed In: Web of Science Emerging Sources Citation Index (ESCI), SCOPUS 2020**



**MR. RUDRENDRA BAHADUR SINGH**  
**ASSISTANT PROFESSOR**

**Web Site Popularity Estimation using Genetic Algorithm based Modelling in International Journal of Research and Development in Applied Science and Engineering (IJRDASE) Volume 20, Issue 2, 2020 ISSN NO. 2454-6844**

**“Development of AI Based Application for Diagnosis Diabetes Using Pathological Attributes” International Journal of Research and Development in Applied Science and Engineering (IJRDASE) Volume 20, Issue 2, 2020 ISSN NO. 2454-6844.**

**“Cost Estimation of Software by ANFIS based Artificial Intelligence Approach” International Journal of Research and Development in Applied Science and Engineering (IJRDASE) Volume 21, Issue 1, 2021 ISSN NO. 2454-6844.**



**MR. GUNJAN MISHRA**  
**ASSISTANT PROFESSOR**

**“HEALTH CARE WINDOW APPLICATION”, International Journal of Scientific Research in Engineering and Management (IJSREM) Volume: 04 Issue: 08 | August -2020 ISSN: 2582-3930**





**MR. HIMANSHU KUMAR SHUKLA**  
**ASSISTANT PROFESSOR**

**“Comparative Analysis of Neuro-Fuzzy Model for Human Resources”, International Journal of Scientific & Technology Research Volume 9, ISSN NO. 2277-8616**

**“Development of AI Based Application for Diagnosis Diabetes Using Pathological Attributes” International Journal of Research and Development in Applied Science and Engineering (IJRDASE) Volume 20, Issue 2, 2020 ISSN NO. 2454-6844.**

**“Machine Learning Methods in the Diagnosis of Psychiatric Disorder”, TEST Engineering and Management ISSN: 0193-4120, Page No. 13924 – 13934.**

**“Cost Estimation of Software by ANFIS based Artificial Intelligence Approach” International Journal of Research and Development in Applied Science and Engineering (IJRDASE) Volume 21, Issue 1, 2021 ISSN NO. 2454-6844.**

**Web Site Popularity Estimation using Genetic Algorithm based Modelling in International Journal of Research and Development in Applied Science and Engineering (IJRDASE) Volume 20, Issue 2, 2020 ISSN NO. 2454-6844.**

## FACULTY RESEARCH PUBLICATIONS



**MS. SURABHI KESARWANI  
ASSISTANT PROFESSOR**

**“Exploring Issues and Challenges in automated self-driving system-robots on roads, Bringing Illusion to Reality”, International Journal of Advanced Science and Technology, Vol 29, No 4, 2020; ISSN 2005\_4238**

**“Exploring Issues and Proposing Model of Agile Parking Slot Allocation & Assistance System”, International Journal of Advanced Science and Technology, Vol 29, No 4, 2020; ISSN 2005\_4238.**



**Mrs. POOJA KHULBE  
ASSISTANT PROFESSOR**

**“ANN Application in Data Mining for Time Series Forecasting The Today and Tomorrow of Robotics” International Journal of Research in Engineering Science and Management, ISSN 2581-5792.**

**“Tensor Analysis Application for Web Mining on High Dimensional Data”, in International Journal of Research and Development in Applied Science and Engineering (IJRDASE), Volume 21, Issue 1, 2021, ISSN: 2454-6844.IJRESM.**





**PLACEMENT- CSE DEPARTMENT**

**PLACEMENT- CSE DEPARTMENT**

# TOP PERFORMERS IN PLACEMENT TEST

**BABU BANARASI DAS INSTITUTE OF TECHNOLOGY & MANAGEMENT**  
(Recognized by AICTE, Govt. of India & Affiliated to Dr. A.P.J. Abdul Kalam Technical University, Lucknow)  
AKTU College Code-054

**CONGRATULATIONS**

**ANAND CHAUHAN, B.TECH. (CSE), Batch(2016-20)**  
**PLACED IN EXTRAMARKS**

**WITH AN ANNUAL PACKAGE OF 12.40 LAKH**




**Babu Banarasi Das Institute of Technology and Management**  
**Department of Computer Science and Engineering**

**Congratulations!!! for placement in Infosys®**

						
AARUSH SINGH	AYUSH PATHAK	APURVA MITRA	AJEET KUMAR LODHI	ASHWANI KUMAR SHUKLA	MOHD ARMAN RAYEEN	SHUBH GUPTA
						
PAKHI SHARMA	PRARTHNA MITTAL	PRATYUSH PATWA	RUPENDRA SARGAM	SAKSHI JAIN	SHIVANI SINGH	SIDDHANT KAPUR

*Congratulations!*



# CONGRATULATIONS TO OUR PLACED STUDENTS



**BABU BANARASI DAS INSTITUTE OF TECHNOLOGY AND MANAGEMENT**

Department of Computer Science and Engineering

*Congratulations*



*Placed Students*



**ABHINAV  
CHOWDHURY**



**PALLAVI  
SRIVASTAVA**



**POOJA  
PANDEY**



**VARTIKA  
TRIVEDI**



**BABU BANARASI DAS INSTITUTE OF TECHNOLOGY AND MANAGEMENT**

Department of Computer Science and Engineering

*Congratulations!*

*Students placed in*



**ABHINAV  
CHOWDHURY**



**ANUBHAV  
CHANDRAUL**



**APURVA  
MITRA**



**APURVA  
VISHWAKARMA**



**NEERAJ  
PANDEY**



**PRATYUSH  
PATWA**



**SHAKSHI  
PODDAR**



**SHIVANI  
SINGH**



**SHUBH GUPTA**



**AISHWARYA BHAT**



Technologies



**BABU BANARASI DAS INSTITUTE OF TECHNOLOGY AND MANAGEMENT**

Department of Computer Science and Engineering

**Congratulations** for placement in



**AKASH AGNIHOTRI**



**MOHD ARMAN RAYEEN**



**NANCY GUPTA**



**SUCHI TIWARI**



**SURESH TRIPATHI**

# PLACEMENTS IN TCS

S.NO	STUDENT NAME	BRANCH	CAMPUS	COMPANY NAME	SALARY PACKAGE (LPA)
1	ABHIST SINGH	CSE	BBDITM	TCS	3.6
2	ASMITA SHUKLA	CSE	BBDITM	TCS	3.6
3	SUYESH TRIPATHI	CSE	BBDITM	TCS	3.6
4	PAKHI SHARMA	CSE	BBDITM	TCS	3.6
5	SHIVENDRA SINGH	CSE	BBDITM	TCS	3.6
6	PALLAVI SRIVASTAVA	CSE	BBDITM	TCS	3.6
7	SHIVANI SINGH	CSE	BBDITM	TCS	3.6
8	SHUBH GUPTA	CSE	BBDITM	TCS	3.6
9	MOHD YUSUF ZAIDI	CSE	BBDITM	TCS	3.6
10	MUDITA GUPTA	CSE	BBDITM	TCS	3.6
11	NEERAJ PANDEY	CSE	BBDITM	TCS	3.6
12	PALAK BISHT	CSE	BBDITM	TCS	3.6



## PLACEMENTS IN HCL

S.NO	STUDENT NAME	BRANCH	CAMPUS	COMPANY NAME	SALARY PACKAGE (LPA)
1	PALLAVI SRIVASTAVA	CSE	BBDITM	HCL	3.6
2	VARTIKA TRIVEDI	CSE	BBDITM	HCL	3.6
3	ABHINAV CHOWDHURY	CSE	BBDITM	HCL	3.6
4	POOJA PANDEY	CSE	BBDITM	HCL	3.6

## PLACEMENTS IN COGNIZANT TECHNOLOGY

S.NO	STUDENT NAME	BRANCH	CAMPUS	COMPANY NAME	SALARY PACKAGE (LPA)
1	VARTIKA TRIVEDI	CSE	BBDITM	COGNIZANT TECHNOLOGY	4.1
2	PRACHI MISHRA	CSE	BBDITM	COGNIZANT TECHNOLOGY	4.1
3	PURNIMA VERMA	CSE	BBDITM	COGNIZANT TECHNOLOGY	4.1

S.NO	STUDENT NAME	BRANCH	CAMPUS	COMPANY NAME	SALARY PACKAGE (LPA)
1	PRARTHANA MITTAL	CSE	BBDITM	INFOSYS	3.6
2	MOHD ARMAN RAYEEN	CSE	BBDITM	INFOSYS	3.6
3	AARUSH SINGH	CSE	BBDITM	INFOSYS	3.6
4	AAYUSH PATHAK	CSE	BBDITM	INFOSYS	3.6
5	AJEET KUMAR LODHI	CSE	BBDITM	INFOSYS	3.6
6	APURVA MITRA	CSE	BBDITM	INFOSYS	3.6
7	ASHWANI KUMAR SHUKLA	CSE	BBDITM	INFOSYS	3.6
8	PAKHI SHARMA	CSE	BBDITM	INFOSYS	3.6
9	PRATYUSH PATWA	CSE	BBDITM	INFOSYS	3.6
10	RUPENDRA SARGAM	CSE	BBDITM	INFOSYS	3.6
11	SAKSHI JAIN	CSE	BBDITM	INFOSYS	3.6
12	SHIVANI SINGH	CSE	BBDITM	INFOSYS	3.6
13	SHUBH GUPTA	CSE	BBDITM	INFOSYS	3.6
14	SIDDHANT KAPUR	CSE	BBDITM	INFOSYS	3.6



S.NO	STUDENT NAME	BRANCH	CAMPUS	COMPANY NAME	SALARY PACKAGE (LPA)
1	Purnima Verma	CSE	BBDITM	CAPGEMINI	3.8
2	Nancy Gupta	CSE	BBDITM	CAPGEMINI	3.8
3	Apurva Vishwakarma	CSE	BBDITM	CAPGEMINI	3.8
4	Aishwary Bhatnagar	CSE	BBDITM	CAPGEMINI	3.8
5	Abhinav Chowdhury	CSE	BBDITM	CAPGEMINI	3.8
6	Deepak Kumar	CSE	BBDITM	CAPGEMINI	3.8
7	Ali Samar	CSE	BBDITM	CAPGEMINI	3.8
8	Prarthana Mittal	CSE	BBDITM	CAPGEMINI	3.8
9	Umang Srivastav	CSE	BBDITM	CAPGEMINI	3.8
10	Anubhav Chandraul	CSE	BBDITM	CAPGEMINI	3.8
11	Sakshi Jain	CSE	BBDITM	CAPGEMINI	3.8
12	Palak Bisht	CSE	BBDITM	CAPGEMINI	3.8
13	Karan Singh Patel	CSE	BBDITM	CAPGEMINI	3.8
14	Prateek Srivastava	CSE	BBDITM	CAPGEMINI	3.8
15	Suyesh Tripathi	CSE	BBDITM	CAPGEMINI	3.8
16	Pranav Mishra	CSE	BBDITM	CAPGEMINI	3.8
17	Pallavi Srivastava	CSE	BBDITM	CAPGEMINI	3.8
18	Kamal Kumar Yadav	CSE	BBDITM	CAPGEMINI	3.8

S.NO	STUDENT NAME	BRANCH	CAMPUS	COMPANY NAME	SALARY PACKAGE (LPA)
1	MOHD ARMAN RAYEEN	CSE	BBDITM	CEDCOSS	3
2	NANCY GUPTA	CSE	BBDITM	CEDCOSS	3
3	AKASH AGNIHOTRI	CSE	BBDITM	CEDCOSS	3
4	SUCHI TIWARI	CSE	BBDITM	CEDCOSS	3
5	SUYESH TRIPATHI	CSE	BBDITM	CEDCOOS	3



S.NO	STUDENT NAME	BRANCH	CAMPUS	COMPANY NAME	SALARY PACKAGE (LPA)
1	ABHINAV CHOWDHURY	CSE	BBDITM	Wipro Technologies	3.5
2	ANUBHAV CHANDRAUL	CSE	BBDITM	Wipro Technologies	3.5
3	APURVA MITRA	CSE	BBDITM	Wipro Technologies	3.5
4	APURVA VISHWAKARMA	CSE	BBDITM	Wipro Technologies	3.5
5	NEERAJ PANDEY	CSE	BBDITM	Wipro Technologies	3.5
6	PRATYUSH PATWA	CSE	BBDITM	Wipro Technologies	3.5
7	SHAKSHI PODDAR	CSE	BBDITM	Wipro Technologies	3.5
8	SHIVANI SINGH	CSE	BBDITM	Wipro Technologies	3.5
9	SHUBH GUPTA	CSE	BBDITM	Wipro Technologies	3.5
10	AISHWARYA BHAT	CSE	BBDITM	Wipro Technologies	3.5

S.NO	STUDENT NAME	BRANCH	CAMPUS	COMPANY NAME	SALARY PACKAGE (LPA)
11	ANSHI SINGH	CSE	BBDITM	DXC Technology	3.6
12	RAJAT DWIVEDI	CSE	BBDITM	SRDT Private Limited	2.4
13	ANAND CHAUHAN	CSE	BBDITM	EXTRAMARKS	12.4
14	ASHWANI KUMAR SHUKLA	CSE	BBDITM	NIIT TECHNOLOGIES	3.6
15	PURNIMA VERMA	CSE	BBDITM	NIIT TECHNOLOGIES	3.6
16	ISHAN FAROOQ	CSE	BBDITM	DENTSU AEGIS NETWORK	2.4
17	HRISHAB MISHRA	CSE	BBDITM	OODLES TECHNOLOGIES PVT LTD	3.6
18	UTKARSH OJHA	CSE	BBDITM	FRESCHÉ SOLUTIONS	3.5
19	SHUBHAM SINGH	CSE	BBDITM	SERVOSYS SOLUTIONS	3.25
20	AVEESH SRIVASTAVA	CSE	BBDITM	SUCCESSIVE TECHNOLOGY PVT.LTD.	3.5



# ALUMNI SPEAK





**Name - Ravikant Pal**  
**Company - Kane LPI**  
**Solution**  
**Package - 7 LPA**  
**Year of passing - 2019**

*"I take this opportunity to convey my profound gratitude to BBDITM Engineering College, Lucknow for their never-ending support and commitment towards their students. Our college has always worked and helped each one of us to excel in what we are good at. They provided tons of opportunities to explore our talent and skill areas. I would like to thank all the faculties of the Computer Science Engineering Department for their sincere efforts of bringing out the best of us and for all the motivation and encouragement they always have given us! Mr. Shadab, Mr. Piyush, and all others have always been like the pillars that helped us build strong foundations for ourselves. Their contribution to what we are achieving today in our lives is not any less. I would like to say a big thank you to the teachers and the college for everything they've done for us and are still doing."*





**Ayushi Srivastava**  
**(CSE Batch: 2014-18)**  
**Company: Wipro**  
**Technologies**  
**Package: 3.9 LPA**  
**Year of passing: 2018**

*“It was an immense pleasure studying at Babu Banarasi Das National Institute of Technology and Management. I got to learn a lot from here during these 4 years in college. The faculty was very helpful and I thank them for guiding me at every step in achieving my core skills in the areas relevant to my discipline. Also, I would like to thank my college and Training & Placement cell for their continuous efforts in bringing Top IT companies on the campus for placement.*

*For the new students, I would like to say that gaining knowledge from classroom studies, training and workshops make the mind more creative. New knowledge inspires new ideas so never stop learning.”*



Your name: Tejas  
Srivastava  
Company: Screen Magic  
Package: 22 LPA  
Year of passing: 2016

*“I am proud to say that I belong to this wonderful family of B.B.D N.I.T.M College. This College was nothing less than what I had hoped for. Supportive seniors and faculty, beautiful campus, quality education and amazing friends. It has everything one needs from a college. 4 years went like a breeze.*

*The personality growth I have seen in myself due to my college, is invaluable. It taught me things far beyond bookish knowledge and helped me broaden my horizons. I would like to thank some of the most wonderful professors in our college, Shadab sir, Yashi mam to name few.”*





**Your name: Dibyani deb**  
**Company: Wipro Ltd**  
**Package: 3.6 lakh**  
**Year of passing: 2019**

*“Its been an amazing journey to learn and grow under such experienced and devoted faculty members. Having done my engineering from such reputed College brings so many opportunities to develop my skills and at the same time personality as well.*

*I would like to thank all the faculty members who became part of my graduation journey and made it memorable.”*



**Name - Sanchit Jaiswal**  
**Company - HP**  
**Enterprise**  
**Package - 11 LPA**  
**Years of Passing - 2016**

*I take this opportunity to convey my profound gratitude to BBDITM College and I am proud to say that I belong to this wonderful family. I was highly elated, when I got the admission in Computer Science and Engineering, as my family members have also studied from this college and now I was going too.*

*This College was nothing less than what I had hoped for Supportive seniors and faculty, beautiful campus, quality education and amazing friends.*

*The growth I have seen in myself due to BBDITM is invaluable. It taught me things far beyond bookish knowledge and helped me broaden my horizons.*

*The professors here are all experts in their respective fields and as such are able to provide excellent technical knowledge to the students.*



Name - ANANYA JAIN  
Company - TCS  
Package – 4 lacs  
Years of Passing - 2019

*“BBDITM is a self explanatory brand which defines the turned stone, ready to conquer the world. At BBDITM I have lived the best days of my life. The experience here turned me to a more curious and achieving person. The support of the faculty members not only helped me to score good marks, but also helped me to overcome the flaws for being a good human being. With the grace of God and blessings of BBDITM family, I was able to crack Campus Placements and now working with MNC's, all was possible just because of BBDITM. Thank you BBDITM once again for being my best memory.”*





**Name- Monica Sharma**  
**Company- UST Global**  
**Package- 11 LPA**  
**Year of Passing- 2017**

*"It gives me immense pleasure to write about my Under-graduate journey at BBDITM, Lucknow. I am so proud to be a part of this esteemed college as it not only has an amazing infrastructure but also has one of the best panels of faculties. I was a student at Computer Science Department from 2013-2017 and I am so proud to say that I was taught by some of the very talented and helping faculties. During my entire time at BBDITM, I grew both academically as well as in the co-curricular areas. I was the founder and General Secretary of the first Music Band of BBDITM, Project Kaos. Along with this I was the Cultural Secretary of the central council of the BBDITM, KARMAVESH. This helped me to gain the interpersonal skills which are equally as important as the academics. I learnt to be a leader and to work effortlessly with a team while I participated in these cultural events."*

# DEAR READER

Thank you all for reading our magazine. Hope you all enjoyed. We would like to thank all the students and faculties for providing the content for the magazine. Editorial Board welcomes articles for next issue of **“BITS & BYTES”**, September 2021. Please send your articles at [bitsandbytes.cse2021@gmail.com](mailto:bitsandbytes.cse2021@gmail.com)

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AND ENGINEERING  
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