

**DEPARTMENT OF COMPUTER SCIENCE**  
**PATNA WOMEN'S COLLEGE**  
**Autonomous**  
**(PATNAUNIVERSITY)**

3<sup>rd</sup> Cycle NAAC Accredited at A Grade with CGPA 3.58/4  
“College with Potential for Excellence” (CPE) Status accorded by UGC

**Guest Lecture**

**Topic: Technology and Startups**

**Date : 31.01.21**

**Venue: Department of Computer Science, PWC**

**Resource Person: Mr. Vivekanand Prasad, Founder and Director, Techprolabz Pvt. Ltd, Patna**

Deptt. of Computer Science, Patna Women's College organised a Guest Lecture, under Star College Scheme, DBT on the topic “Technology and Startups” for the students of BCA- VI<sup>th</sup> Semester(2018-21). The Lecture was given by Mr. Vivekanand Prasad, Founder and Director, Techprolabz Pvt. Ltd, Patna. He explained the students about the need and scope of startups in the field of Information technology, and how to convert simple ideas into successful business models by developing products useful for the society.



**Participants: BCA- VI<sup>th</sup> Semester (2018-21)**

## **Guest Lecture**

**Topic** : Software Development Process  
**Date** : 06.02.21  
**Venue** : Department of Computer Science, Patna Women's College  
**Resource:** • Mr. Azad Deepak, Director, Aztech Technology and Engineers Pvt, Ltd , Patna  
**Persons** • Ms. Sonam Kumari, Master Trainer, Aztech Technology and Engineers Pvt. Ltd Patna

Deptt. of Computer Science, Patna Women's College organised a Guest Lecture, under Star College Scheme, DBT on the topic **Software Development Process** for the students of BCA- VIth Semester (2018-21). Lectures were delivered by Mr. Azad Deepak, Director and Ms. Sonam Kumari, Master Trainer, Aztech Technology and Engineers Pvt. Ltd Patna, on the key issues in various stages of Software Development Process and what steps should be taken to develop a viable software.



**Participants:** BCA- VI<sup>th</sup> Semester(2018-21)

## **Cultural Programme**

**Topic : Fresher's Day Celebration**

**Date : 13.02.21**

**Venue : Department of Computer Science, Patna Womens College**

**Resource : • Ms. Manisha Prasad, Head, Deptt. of Computer Science**

**Person • Dr. Rozy, Asst. Prof. Deptt. of Home Science**

Deptt. Of Computer Science, Patna Women's College organised a Cultural Programme to welcome the newcomers on the Fresher's Day. All the teachers and students of First Semester attended the programme. The students performed different cultural activities such as song, dance, poem, drama etc. to showcase their talent. Ms. Manisha Prasad, Head, Deptt. Of Computer Science and Dr. Rozy, Asst. Prof. Deptt. of Home Science were the Guests of the programme.



**Participants : BCA I<sup>st</sup> Semester (2020-23)**



## Hands on Training on 3D Printing

**Topic:** 3D Printing

**Date :** 23.02.21 to 18.03.21

**Venue:** Department of Computer Science, PWC& Online (Blended mode)

**Resource Person:** Jaynendra Sharma, Techprolabz Pvt. Ltd.

Deptt. of Computer Science, Patna Women's College organized a Hands on Training, under Star College Scheme, DBT on **3D Printing** for the students of BCA-IV<sup>th</sup> Semester(2019-22) and B.Sc.(Physics)-IV<sup>th</sup> Semester(2019-22). The students were given hands on training on how to code and print a 3D Model using a 3D printer



**Participants :** BCA-Sem-IV (2019-22) and B.Sc.(Physics) Sem.-IV(2019-22)

## **DBT Research Project Presentation**

- Topics :**
- A Study of Perception of Youth about Online Education in Patna during COVID-19.
  - Application of Machine Learning and Artificial Intelligence for COVID-19 Pandemic.
  - A Comparative Study on Different Teaching Learning Application Used in Pandemic Period
  - Impact of Social Media on Youth of Age Group 15 To 24
  - A Study on the Impact of Human Computer Interaction on the people of Bihar
  - An IoT-Based Model: Defending Against COVID-19

**Date :** 25.02.21

**Venue :** Video Conferencing Hall, Science Block, Patna Womens College

**Resource:** • Dr. Kiran Pandey, Asst. Prof., Deptt of Computer Applications, Nalanda Open  
**Persons** Univ., Patna

- Dr. Rakesh Kumar Singh , Asst. Prof. & Head, Centre for Nano Science & Nano Technology, PG Deptt., Aryabhatt Knowledge University Patna

Students of BCA IV<sup>th</sup> Semester, Patna Women's College presented their Research Project Paper on 25.02.21. Six groups of students participated in this event. The Judges of the event were Dr. Kiran Pandey, Asst. Prof., Deptt of Computer Applications, Nalanda Open Univ., Patna and Dr. Rakesh Kumar Singh , Asst. Prof. & Head, Centre for Nanoscience & Nanotechnology, PG Deptt., Aryabhatt Knowledge University Patna. They appreciated the participants for their research work and gave their valuable feedbacks on how to improve the quality of research work.



## Vigyan Utsav: Short Film Making Competition

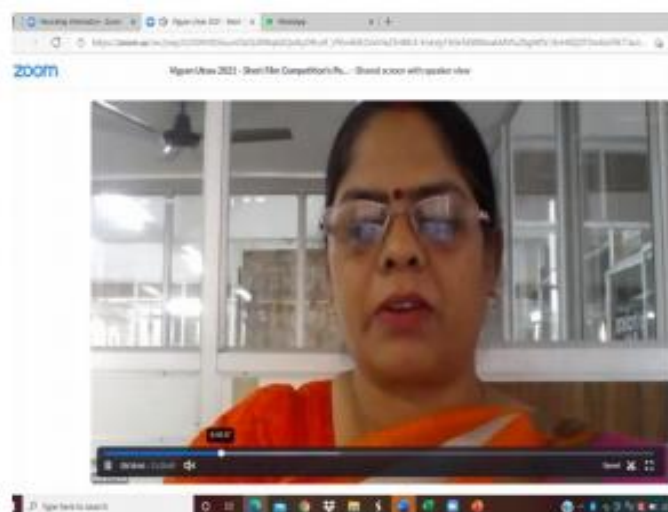
**Topic: Science and Technology for Environment Conservation**

**Date : 05.03.21**

**Venue: Online**

**Resource Person: 1.Prof. A.K. Nayak, Advisor, IIBM Patna, Former President, CSI  
2. Dr. Shailesh Srivastava, Head, DGRC, STPI Campus, Patna  
3. Dr. Prabhat Kumar, Associate Professor, Dept. of CS and Engg., NIT Patna**

The Department of Computer Science, Patna Women's College organized a Short Film Making Competition on the occasion of Vigyan Utsav Under Star College Scheme, DBT on the topic **Science and Technology for Environment Conservation**. Students from different Colleges across Bihar participated in this event. The students prepared short films to create awareness on the role of technology in saving and restoring the environment





## **Outreach Programme**

**Topic: Personal Hygiene and COVID – 19 Awareness & Protection**

**Date : 14.03.2021**

**Venue: Bailey Road, Patna**

**Teacher Incharge: Ms. Manisha Prasad, Ms. Renu Kumari, Deptt. of Computer Sc.**

Deptt. of Computer Science, Patna Women's College organized an outreach programme in collaboration with Mishra Social Skills (NGO), Bailey Road, Patna for the slum children. Students of BCA VI<sup>th</sup> semester(2018-21) participated in this outreach programme. They explained the children about the importance of personal hygiene and sanitization during COVID-19 period to protect themselves from the disease. Soaps, Sanitizers and eatables were distributed among the slum children.



**List of Participants : BCA VI<sup>th</sup> Sem (2018-21)**

## **Training on Image Processing**

**Topic: Image Processing Using OpenCV**

**Date : 15.3.2021 to 17.3.2021**

**Venue: Department of Computer Science, PWC& Online (Blended mode)**

**Resource Person: Ms. Anshu & Ms. Renu Kumari, Deptt. of Computer Science, PWC**

Deptt. of Computer Science, Patna Women's College organized Hands on training under Star College Scheme, DBT on **Image Processing Using OpenCV** for the students of Generic Elective-IV<sup>th</sup> Semester(2019-22) belonging to different Science Departments of Patna Women's College. The training was on the use of OpenCV for Image processing. In this training students learnt to process an image such as changing its colour, compressing, restoration etc. using OpenCV.



**List of Participants : BCA GE-IV<sup>th</sup> Semester(2019-22)**



## Outreach Programme

**Topic: Tutorials and Painting Competition**

**Date : 21.03.2021**

**Venue: Bailey Road, Patna**

**Teacher Incharge: Ms. Anshu, Ms. Amrita Prakash, Ms. Nimisha Manan, Deptt. of Computer Sc. and students of BCA VI Sem.**

Deptt. of Computer Science, Patna Women's College organized an outreach programme in collaboration with Mishra Social Skills (NGO), Bailey Road, Patna. Students of BCA VIth semester (2018-21) participated in this outreach programme. They organised painting class the and distributed painting colours to the children to motivate them. A Painting competition was also organized for them. .



**List of Participants : BCA VIth semester (2018-21)**

## **Workshop on Network Security**

**Topic : Network Security: Encryption and Decryption Techniques using Java Programming**

**Date : 23.3.2021 to 27.03.2021**

**Venue: Department of Computer Science, PWC**

**Resource Person: Ms. Amrita Prakash, Ms. Renu Kumari, Deptt. of Computer Science, PWC**

Deptt. of Computer Science, Patna Women's College organized Hands on Experiment, Under Star College Scheme, DBT on the topic "Network Security: Encryption and Decryption Techniques using Java Programming" for the students of BCA-IV<sup>th</sup> Semester (2019-22), Patna Women's College. The training was given on the use of Java Code for encrypting and decrypting information. Students learnt to encrypt and decrypt the code for sending it through networks. Encryption technique provides network security to the codes while transmission through network. All the students learnt the encryption decryption technique using java code.



**List of Participants: BCA-IV<sup>th</sup> Semester (2019-22)**

## Quiz Competition

**Topic : World Environment Day**

**Date:05.06.2021**

**Venue : Online**

Deptt. Of Computer Science, Patna Women's College organised an online Quiz on awareness about Environment conservation to celebrate World Environment Day. The students of II<sup>nd</sup> Semester (2020-23) of the Deptt. of Computer Science participated in the event.



**List of Participants : BCA Semester- II<sup>nd</sup> Semester (2020-23)**



## **Flyer Making Competition**

**Topic : World Environment Day**

**Date: 05.06.2021**

**Venue : Online**

Deptt. Of Computer Science, Patna Women's College organised an online Flyer Making Competition to mark the celebration of World Environment Day. The students of Vth Semester (2019-22) from the Deptt. of Computer Science participated in the event. They designed beautiful Flyers on the theme World Environment Day.



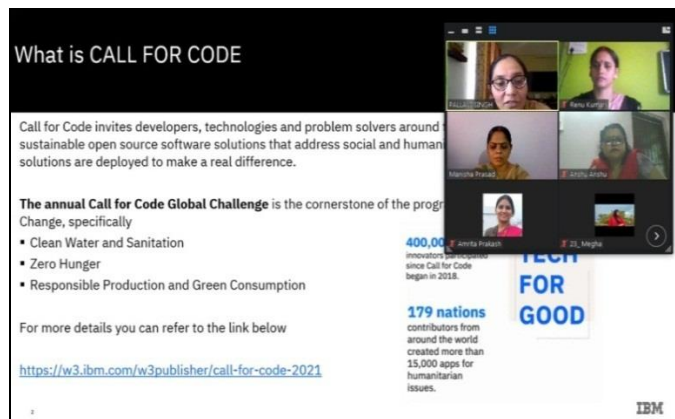
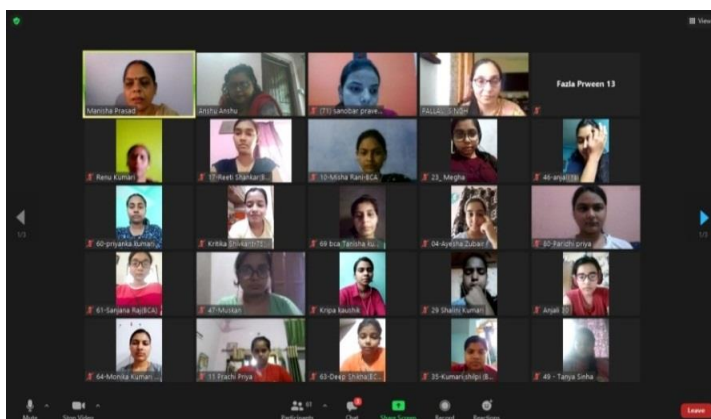
**List of Participants : BCA Sem-V(2019-2022)**

## Orientation Program

**Topic : Career Options at IBM**  
**Date : 12.06.2021**  
**Venue : Online**  
**Resource : Ms. Pallavi Singh, Chief Architect ,IBM Pune**  
**Person**

Department of Computer Science, Patna Women's College organised an orientation program on Career options at IBM on 12th June 2021. The resource person was Ms. Pallavi Singh Chief Architect IBM Pune. She apprised the students about the career opportunities in IBM, recent trends and technologies being used in software industries and the ways to prepare for securing jobs in the leading software companies. All the teachers and students Vth Semester (2019-22) from the Deptt. of Computer attended the programme.

She also encouraged the students to participate in various global events organised by the leading software companies as they get an opportunity to learn new technologies which helps them in their professional endeavours.



**List of Participants : BCA Sem-V(2019-22)**