

JINDAL COLLEGE FOR WOMEN

Department of Computer Applications



Annual Report

2022-2023

Admissions

- 60 students admitted for first semester BCA course.

Commencement of Classes

- Odd Semester Classes for I Semester were started from 14/9/2022 and Classes for III Semester and V Semester were started on 19/10/2022
- Even Semester Classes for BCA Students were started on 19/04/2023.

Events of the Department

- Mrs.Kavya Shree N S has reported to BCA valuation work for subject “Web Programming” of V semester BCA from 11/10/2022 to 15/10/2022 at Bangalore University.
- 55 Students of third semester BCA had been to the Ramakrishna Ashram on 10/12/2022 for a talk named, "Lighting Talks". Students were able to know the importance of Meditation, Will Power & Concentration
- Mrs.Latha H R had been to Valuation work for the subject Microprocessor and Assembly Language of V semester BCA at Bangalore University from 24/04/2023 to 03/05/2023.
- Mrs.Kavya Shree N S had been to Valuation work for the subject Software Engineering of V semester BCA at Bangalore University from 30/03/2023 to 06/04/2023.
- 55 Students of III semester BCA had been to the Ramakrishna Ashram on 10/12/2022 to attend the session on Meditation & Will Power.
- Mrs.Latha H R and Ms. Amrutha N along with 12 Students of V Semester BCA had been to the Government School in Siddanahasahalli, Madanayakanahalli, Bangalore on 30/12/2022 for an extension activity.
- Mrs.Kavya Shree N S and Ms. Chaithra R along with 10 Students of III Semester BCA had been to the Government School in Nagasandra, Rukmini Nagar Bangalore on 06/01/2023 for an extension activity.

Value Added Course

- Value Added course was successfully conducted on "**AWS-Cloud Fundamentals**" in association with,"Skill Quench Technologies" from 9 /11/ 2022 to 7/12/ 2022. 46 students of V semester BCA were benefitted by the course.
- Value-Added Course , "**AI Python**" ,was conducted from 15/6/2023 to 10/9/2023 successfully in collaboration with the institute, "Hope Foundation". Students developed skills on aptitude and technology, Artificial Intelligence to fulfill the demands of IT industry. 51 students of VI semester BCA were benefitted from the course.

Events Organized

- Department organized a Workshop on Software Testing in the collaboration with Grotech Minds held at College Auditorium on 31/10/2022. Mr. Manish Kumar Tiwari the Founder & CEO of Grotech Minds was the speaker for the event . 100 students from II & III Year BCA attended the session.
- Orientation for Value Added Course on," Amazon Web Services (AWS) Cloud Fundamentals", was conducted on 4/11/2022 by the training institute, "Skill Quench Technologies".
- Quiz competition of IT Forum Explorica was held on 19.05.2023 .
- Logo drawing competition of IT Forum Explorica was held on 22.05.2023 .
- PPT presentation Competition of IT Forum Explorica was held on 23.05.2023.
- Speed Typing Competition of IT Forum Explorica was held on 26.05.2023.
- Alumni Talk was organized on 2nd June 2023 to motivate final year students .The event's key speaker was one of our alumni, Miss Dakshayini (2022 batch), who is currently, the employee of the MNC

"Targent Softwares Pvt Ltd". 40 students of VI semester BCA were benefited by the talk.

- Tech Talk on "Application Software Development" was organized on 3 June 2023. Mr.Keerthi Kumar, Technical Architect at Subex Company was the resource person for the event. 153 BCA students were benefitted by the talk
- IT-Fest Explorica was held on 14.06.2023. The chief guest for the event was Dr.Hanumanthappa, Professor, Department of Computer Science & Applications at Bangalore University.

Events Attended

- III Semester BCA Students took part in Moral Retreat Programme held on 06/01/2023 organized by Gandhi Study Cell in Association with IQAC and Sharada Ramakrishna Ashrama.
- All the faculties and students of BCA were participated in cultural fest Ananthotstava-2023 organized by cultural committee held at auditorium on 31.05.2023.
- Graduation Day celebrated on 11.08.2023 organized by Cultural Committee in co-ordination with IQAC held at College auditorium.
- A Farewell Party –Nostalgia celebrated on 12.08.2023 organized by Cultural Committee in co-ordination with IQAC for final year students.

Internal Tests & Examinations

- I Internal test for I Semester BCA Students were held from 16/11/2022, to 18/11/2022.
- First internal test for III and V SEM BCA students and Second internal test for I SEM BCA students were held from 15/12/2022 to 19/12/2022 according to timetable as per Principal's Guidance.
- Preparatory Examination-2022-2023 began on for I Semester, III Semester and V Semester BCA Students.

- Preparatory Examination has been held for V SEM Students of BCA from 30/1/2023 to 5/2/2023.
- Preparatory Examination has been held for I SEM and III SEM Students of BCA from 1/2/2023 to 6/2/2023.
- I Internals test for II, IV and VI semester was conducted from 05.06.2023 to 08.06.2023.
- Preparatory Examination for II, IV and VI semester was conducted from 10.07.2023 to 16.07.2023.
- Final Examination for VI SEM BCA was conducted from 17.08.2023 to 30.08.2023 as per Bangalore University guidelines.
- Final Examination for II & IV SEM BCA was conducted from 04.09.2023 to 21.09.2023 as per the guidelines of Bangalore University.

Parent's Meeting

- ❖ Parents Teachers Meeting was held on 7/1/2023 for I Semester, III Semester and V Semester BCA Students as per Principal's Guidance.
- ❖ Parent Teacher Meeting was held on 24.06.2023 for II Semester, IV Semester and VI Semester BCA Students.

Practical Examination

- Main Practical Examination for V Semester BCA students was conducted for the subject Java Programming Lab on 08/02/2023.
- Main Practical Examination for V Semester BCA students was conducted for the subject Assembly Language Programming Lab on 10/02/2023.
- Main Practical Examination for V Semester BCA students was conducted for the subject Project Lab on 13/02/2023.
- Main Examination has been held for final year Students of BCA from 03/03/2023.
- Main Examination has been held for first year Students of BCA from 09/03/2023.

- Main Examination has been held for second year Students of BCA from 10/03/2023.
- The main Practical Examination for the first year BCA Students for the subject Problem Solving Techniques and Data Structures were held on 10/04/2023 and 15/04/2023.
- The main Practical Examination for the second year BCA Students for the subject Python Programming and Computer Networks were held on 12/04/2023 and 18/04/2023.
- Practical Examination for final year VI SEM BCA for the subject Web Programming was held on 07.08.2023 as per Bangalore University guidelines.
- Main Practical Examination for VI SEM BCA for the subject Project Lab was held on 09.08.2023 as per Bangalore University guidelines.
- Practical Examination for IV SEM BCA held on 03.10.2023 and 13.10.2023 for the Subjects Design and Analysis of Algorithms and Internet Technologies as per Bangalore University guidelines.
- Practical Examination for II SEM BCA held on 10.10.2023 and 12.10.2023 for the Subjects Object Oriented Programming Using Java and Database Management System as per Bangalore University guidelines.

Student Achievements

- Varsha P Pawar of III BCA Participated and Won 2nd Place in Hammer Throw in 57th Inter-collegiate Athletics Championships 2022-23.
- Vidya M K, Megha M, Bhavya Shree G of III BCA Participated and Won 2nd Place in 4*400 relay in 57th Inter-collegiate Athletics Championships 2022-23.
- BhavyaShree G of II BCA Participated and Won 1st Place in 400m Running in 57th Inter-collegiate Athletics Championships 2022-23.

- BhavyaShree G of II BCA Participated and Won 3rd Place in 800m Running in 57th Inter-collegiate Athletics Championships 2022-23.
- Jnanashree S of I BCA and Shilpa M R of II BCA participated in 57th Inter-collegiate Athletics Championships 2022-23
- Students of VI Semester Participated and won First Place in Throw Ball Competition, Volley ball Competition, Table tennis, Kho-Kho, Chess and II Place in Ball badminton.
- 9 Students of VI sem BCA(Lavanya M,Megha M,Meghana M,Ruchitha C R,Radhika R,Jayashree U,Harshitha N,Shamala S N,Yukthi G S) & 2 Students of II Sem BCA(Chandana S,Lavanya R) took part in an Excursion of 2 days to kodachadri,Apsarakonda waterfalls and other places from 21.07.2023 to 23.07.2023.
- V SEM BCA students participated in a placement drive on January 17, 2023, which was hosted by Placement Cell-Parikrayana in collaboration with Brand crew Aviation Academy. A subset of them were selected for the training Programme.
- On 7th July 2023, 7 Students of II sem BCA took part in Drama “Maha Pournime”, directed by Shivalingaiah N,Written by J M Prahalad organised by Buddha Study Cell in association with IQAC and Goutami Foundation Mandya. The chief Guest of the event was Dr.Siddharaju S ,Deputy Commissioner of Police and Sri Subbhaiah H K, Former Programme Executive of DD Chandana.

Faculty Achievements

- Research Paper of Prof.Latha H R titled “,ICPCH: A Hybrid Approach for Lossless Dicom Image Compression Using Combined Approach of Linear Predictive Coding and Huffman Coding with Wavelets”, is published in Springer Journal, Communication in Computer and Information Science on 1 January 2023., pp. 269–281, 2022.https://doi.org/10.1007/978-3-031-22405-8_21

- All Faculties of BCA took part in a National level webinar on **“Importance of Literature Review in Research”**, Organized by Vidya Sanskar Institute of Science, Commerce and Management (VSISCM) on 11/1/2023.
- Mrs.Latha H R delivered a Guest Lecture on Microprocessor & Assembly Language Programming and Knowledge Sharing Session at Dasarahalli Government College on 13/01/2023.
- Mrs.Latha H R had been to Dasarahalli Government College on 16/01/2023 to deliver a Guest Lecture on Data Structure and Knowledge Sharing Session on Project Concepts.
- Research Papertitled, “HWCD: A hybrid approach for image compression using wavelet, encryption using confusion, and decryption using diffusion scheme” <https://doi.org/10.1515/jisys-2022-9056> of Prof. Latha H R is published in the Journal of Intelligent Systems on 30/1/2023.
- Mrs. Latha H R’s research work on Average Fitness Based SeaLion Optimization Algorithm is patented by German Patent Company.
- Mrs. Kavyashree N S and Ms.Amrutha N attended orientation program on “NEP-Syllabus Scheme” on 19-Aug-2022 held at Soundarya Institute of Management and Science.
