Post Graduate Government College for Girls
Sector 11, Chandigarh
(NAAC Accredited Grade A with CGPA 3.52)

PG DEPARTMENT OF COMPUTER APPLICATIONS

Welcomes the NAAC Peer Team

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ABOUT DEPARTMENT

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- **M.Sc. (IT)**
- **Add on Course in Web Designing & Multimedia**
- **Certificate Course in Office Management**

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PG GOVERNMENT COLLEGE FOR GIRLS
SECTOR-11, CHANDIGARH

PG DEPARTMENT OF COMPUTER APPLICATIONS

<u>PROFILE</u>

INTRODUCTION

The Department of Computer Applications was established in the year 2004 with the objective of providing vocational job-oriented degree programme to meet the demands of the emerging and growing Information Technology Industry. The Department of Computer Applications aims to generate groomed, technically competent and skilled intellectual professionals to meet the current challenges of the modern computing industry. BCA is a three-year under-graduate degree course for students who wish to delve into the world of computer languages. The BCA (Bachelor of Computer Applications) degree is one of the most popular options to get started with a career in Information Technology. BCA scope is immense with lot of job opportunities. BCA graduates are eligible for entry level jobs or go for further studies such as MCA, MBA, MS. The career scope is endless and BCA degree provides a good opportunity for various career profiles. BCA graduates can look for employment in the private sector as system engineers, software developers and web designers.

OBJECTIVES

- To attract meritorious students from the region by providing best education in the field of Computer Applications.
- To provide conducive teaching learning environment and exposure to enable students to excel in academics.
- To provide training programs and practical knowledge with industry collaborations to bridge the gap between academia and industries.
- To inculcate in student's moral values and ethics so that they can become socially committed professionals.
- To empower students to unleash their potential to leverage their professional standards through academics and ethics thereby elevate their calibre to be the change.
- To be the source of bringing out globally competent pioneering computing professionals, innovators and entrepreneurs and thereby succeed and contribute value to the knowledge-based economy and society.

USPs

- Well-equipped modern labs with state-of-the-art infrastructure and ICT enabled smart classrooms.
- Qualified, experienced and dedicated faculty.
- Excellent student-teacher ratio (34:1).
- Department of Computer Applications is the first amongst the Government Colleges of Chandigarh to take initiative of switching to ICT teaching methods through audio visual aids and presentations.
- Research oriented faculty members who have presented and published papers in various International and National Conferences and journals.
- Organises workshops, seminars, webinars, motivational sessions and expert talks as an initiative towards student's enrichment which guides students in choosing their career after completion of their respective degree.
- Department offers career and job-oriented courses in web designing & multimedia and office management.
- Excellent placement record as students get recruitment in top most multinational companies.
- Interactive learning of students through collaborative Industry Experts.
- Different software labs are functional and software's such as C/C++, Java, PHP, Microsoft Visual Studio, MS-Office are available.
- Industrial/Field visits are regularly organized to provide industrial exposure to the students.

COURSES OFFERED

The Department offers BCA Undergraduate and PGDCA and M.Sc. IT Post Graduate course to the students. Apart from these degree courses, it also offers job-oriented courses such as Add-On course in Web Designing and Multimedia, and Office Management Course under Chandigarh Administrations' Initiative of Women Empowerment.

UNDER-GRADUATE	❖ Bachelors in Computer Applications (BCA)
POST-GRADUATE	❖ Post Graduate Diploma in Computer Applications (PGDCA) ❖ M.Sc. Information Technology

INTERDISCIPLINARY	❖ Add-On Course in Web Designing and Multimedia
	     o Certificate
	     o Diploma
	     o Advanced-Diploma
	 ❖ Certificate Course in Office Management

AFFILIATION OF THE COURSES-YEAR WISE

Sr. No.	Course Name	Year of Affiliation
1.	**BCA – I**	**2004-05**
2.	**BCA – II**	**2005-06**
3.	**BCA – III**	**2006-07**
4.	**BCA – I (Additional Unit)**	**2008-09**
5.	**BCA – II (Additional Unit)**	**2009-10**
6.	**BCA – III (Additional Unit)**	**2010-11**
7.	**PGDCA**	**2008-09**
8.	M.Sc.IT	**2016-17**
9.	**Add On Course in Web Designing and Multimedia** ❖ **Certificate** ❖ **Diploma** ❖ **Advance Diploma**	**2010-11** **2011-12** **2012-13**
10.	**Certificate Course in Office Management**	**2008-09**

UNDERGRADUATE COURSE

Bachelors in Computer Applications (BCA)
(Self-Financing Course)
(Two Units of 40 students each)

It is a self-financing 3-year under-graduate degree course affiliated to Panjab University, Chandigarh generally for those students who want to learn Computer languages and join Software companies and become IT Professionals. The course provides sound practical skills for addressing problems which arise from computer systems and applications (hardware and software). Earlier, this course followed Annual System, but from the session 2014-15, Panjab University shifted all the undergraduate courses to semester system. So, presently, BCA-I, BCA-II and BCA III is following semester system.

Eligibility for BCA course - Any student who has passed 12th class with minimum of 50% marks can join the BCA course. 10% weightage is given for each of the subject of Mathematics and Computer Science/Information Technology to the students who have studied these subjects at +2 level.

Admission Procedure-It follows a centralised admission procedure for all the government and aided colleges of Chandigarh on merit basis. The interested students have to fill the online application form available at the website www.dhe.chd.gov.in. A combined merit list is prepared and then the students are admitted according to the preferred college list on merit basis.

Scope of the Course- BCA graduates may pursue MCA, MBA, M.Sc.- CS or M.Sc. IT, etc courses. A BCA graduate has a great scope in jobs as a Web Designer, System Manager, Software Developer, Computer Programmer, Web Developer, Software Developer, software tester. BCA scope is immense with lot of job opportunities. You will be eligible for entry level jobs or go for further studies such as MCA or MBA. From banks to game designing firms, it is easy to find job if you have relevant knowledge and skills. Students can also work freelance or in big MNCs all over the world.

Course Outcome - Understand, analyse and develop computer programs in the areas related to algorithm, web design and networking for efficient design of computer-based system. Work in the IT sector as system engineer, software tester, junior programmer, web developer, system administrator, software developer etc. Apply standard software engineering practices and strategies in software project development using open-source programming environment to deliver a quality of product for business success.

POST-GRADUATE COURSE

Post Graduate Diploma in Computer Applications (PGDCA)
(Self-Financing Course)
[One Unit of 40 (30 + 10 Additional) Students]

PGDCA is a one-year course divided into two semesters' w.e.f. the session 2015-16. Students are trained in the latest trends of Application Development, Programming Languages and Database Management. PGDCA is an inter-disciplinary course which equips students from various streams with skills required for high end IT applications in Industry.

Eligibility: Graduate in any discipline with minimum of 50% marks

Admission Procedure- Admissions on the basis of Merit.

Future Scope- There is a very wide scope of the course since IT Professionals are required not only in IT companies but every company which uses IT enabled services and processes. Some of the diverse fields where PGDCA job opportunities are available include environmental management, space research, educational institutes, pharmaceutical industry, biotechnology, chemical industryThey can get employed in organisations like IT Firms, Research Firms, and

Banking Industry etc. They can work in job profiles like Database Administrator, IT Support Staff, Application Developer, etc.

Course Outcome - Handle windows and Linux operating system for general purpose applications and networking, develop general purpose application based on C/C++ and HTML based languages, perform various office activities on computer system such as installation of software, handling of printer and scanner, internet connection along with troubleshooting of system, Students are able to use their knowledge to develop different web and windows-based applications.

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M.Sc. Information Technology (M.Sc. IT)
(Self-Financing Course)
[One Unit of 40 Students]

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Master of Science or M.Sc. in Information Technology is a 2 year long post-graduate level master degree program. M.Sc. IT aims to provide theoretical as well as practical knowledge on topics like software development, data mining, computer algorithms, software analytics, Artificial Intelligence etc.

Eligibility: Graduation in BCA, B.Sc. (Computer Science), B.E, B.Tech, B.Sc. (HS) in Mathematics and Computing with minimum of 50% marks

Admission Procedure - Admissions on the basis of Merit.

Future Scope- There is a very wide scope of the course since IT Professionals are required not only in IT companies but every company which uses IT enabled services and processes. The wide range of career options after M.Sc. (IT) include specialized profiles in software development, hardware technology, systems development, and engineering, troubleshooting, management information system, internet, and networking. They can work in job profiles like Website Developers, Programmers, Graphic Designers, Database Administrator, IT Support Staff, Application Developer etc.

Course Outcome: Provides technology-oriented students with the knowledge and ability to develop creative solutions. Develop skills to learn new technology. Apply computer science theory and software development concepts to construct computing-based solutions. Design and develop computer programs/computer-based systems in the areas related to algorithms, networking, web design, cloud computing, Artificial Intelligence, Mobile applications. Work in the IT sector as system engineer, software tester, web designer.

INTER-DISCIPLINARY COURSES

ADD-ON COURSE IN WEB DESIGNING AND MULTIMEDIA

Intake: Maximum of 30 students of any stream.

Web Designing and Multimedia is an inter-disciplinary skill-oriented add-on course under the UGC career-oriented courses scheme in the X plan. The students are enrolled during the first, second & third year of B.A/B.Sc/B.com along with the conventional degree program. The examination for this Certificate, Diploma & Advanced Diploma Course is held separately, i.e. after termination of B.A./B.Sc./B.Com. examinations. It has three levels- Certificate, Diploma and Advance Diploma.

Eligibility: The eligibility requirements and Regulations/Rules for this course are the same as for admission to B.A/B.Sc./B.Com. The candidates seeking admission to this course must have prior operational knowledge of computers.

Job Opportunities after This Course: After completion of this course, one has variety of job opportunities as India is a developing Web Designing and Multimedia destination. With the emergence of online businesses, companies require Web designers. Students can work as web designer, Graphic designer, Web developer, PHP and CSS Developer etc. after the completion of Certificate, Diploma and Advance DipXloma level.

Course Outcome - Creation of Websites using Integrated Development Environments (I.D.E.'s) like Macromedia Dreamweaver, application of Adobe Air Interface, Sound Editing, Analog and Digital Sound, Sound Recording, Extracting, Sound Processing and Effects, Sound File Integration.

CERTIFICATE COURSE IN OFFICE MANAGEMENT
(A Chandigarh Administrations' Initiative for Women Empowerment)

Certificate Course in Office management was started in the year 2008 as a Chandigarh Administration's initiative of Women Empowerment. The objective is to train and provide an in-depth training in use of Office Processes, Office Automation, Computer literacy, Internet, etc. which are essential skill components for office management, and e-governance.

The course contents are designed in such a way that it not only provides computer literacy, but also help in developing the personality of the students and improve their communication skills.

Duration: 3 Months

Eligibility: Open to the students of all the streams of this college.

Key Features:

- Focus on practical operational knowledge of computers.
- Includes basic features of Operating System, MS-Word, Excel, PowerPoint and Outlook, Internet, Cyber Ethics and Security.
- Low Fee structure (Rs.1500/- for the entire course)
- Fully Air-conditioned class rooms and labs
- Small batch size up to 30 students
- Individual attention
- Standard study material
- Joint Certification by the Chandigarh Administration and college.

CUT-OFF PERCENTAGE AND STUDENT INTAKE

Courses Offered	Student Intake	Cut Off 2017-18		Cut Off 2018-19		Cut Off 2019-20		Cut Off 2020-21		Cut Off 2021-22	
BCA I	80	103.6	56.4	95.5	62.6	104.3	62	106.4	81	115.8	68.8
PGDCA	30	76.4	57.8	95.5	62.6	76.5	59.4	75.4	60.2	78.8	66.2
M.Sc. (IT)	30	74.0	55.8	73.15	59.45	83.7	61.3	79.4	60.8	82.2	62.37

INFRASTRUCTURE OF THE DEPARTMENT

The Department has well-equipped state-of-art computer laboratories consisting of modern desktop computers, server, work stations with latest configuration. The latest licensed softwares as per the requirement of the syllabus are also available in the department. All the class rooms are equipped with digital teaching aids like LCD projectors. Enriched collections of books on various subjects are also available in the Central Library of the college.

Computer Labs: The computer lab aims at improving the students' knowledge and understanding of how computers operate and developing their skills in using them. The department has three air-conditioned computer labs well-equipped with latest configuration desktop computers, Server, Multimedia Projectors, and Interactive/Smart Board, laser printers, Scanners, CCTV Cameras, Online UPS, Internet connectivity and audio systems.

Smart Classrooms: Smart classroom is technology-enhanced classrooms that foster opportunities for teaching and learning by integrating learning technology, such as computers, specialized software, audience response technology, assistive listening devices, networking, and audio/visual capabilities.The Department has five ICT enabled smart classrooms in its possession equipped with digital podiums, amplified audio with mic facility, LCD projectors etc and e-content developed is delivered by making use of these resources fixed in all the classes of the department.

Internet Facility: The Department provides Physical Internet Connectivity over LAN for all Labs, Classrooms, etc. in the college. It also has dedicated Internet lease line having bandwidth of 100 Mbps from M/S BSNL. In addition to the above facilities, secured Wi-Fi Facility is also available for the faculty.

Server-cum-Administrative office to provide support services.

Mini Workshop for basic repairs of equipment and computers

Software: The department has purchased all the application and system software which are required according to the prescribed syllabus of the various courses run by this department. (Complete List of Hardware and Software in the labs is attached as Annexure A).

FACULTY AT A GLANCE

❖ **Faculty of the Department**

❖ **Faculty Profile**

❖ **Support Staff**

FACULTY OF THE DEPARTMENT

The backbone of every department is its faculty. This department has well qualified, competent and dedicated professionals, both teaching and non-teaching who are working in their best way for the overall development and progress. The Department Faculty fulfils multiple roles as educators, researchers and professionals having a broad range of backgrounds, scholarly interests and areas of expertise thereby bringing substantial achievement in professional practice and research into the classroom. The department also invites distinguished and eminent faculty from other institutions/university to promote learning and knowledge creation of high order.

FACULTY PROFILE

Sr. No	Name	Designation	Qualifications	Experience
1.	Dr. Meenu Verma	Associate Professor	M.Com (Finance), MBA(Marketing) Ph.D.	30 Years
2.	Mr. Arun Kalia	Assistant Professor	M.Com., MCA, M. Phil	17 Years
3.	Mr. Mohit Sanan	Assistant Professor	M.Sc. (IT), M. Phil	16 years
4.	Mr. Saurabh Gupta	Assistant Professor	M.Sc. (IT), M. Phil	14 Years
5.	Ms. Ritu Singh Kalsi	Assistant Professor	MCA	13 years
6.	Dr. Preet Kamal Sharma	Assistant Professor	MCA, Ph.D.	14 years
7.	Ms. Ritika	Assistant Professor	MCA	13 years
8.	Ms. Navdeep Kaur	Assistant Professor	MCA	15 years
9.	Ms. Shamama Amir	Assistant Professor	MCA, MTech	13 years
10.	Ms. Harpreet Kaur	Assistant Professor	MCA	14 Years

* The proofs and details are attached as Annexure G)

SUPPORT STAFF

Sr. No	Name	Designation	Experience	Duties Assigned
1.	Mr. Suresh Yadav	LA	17 Years	Maintenance of Network and Computers in Department and College
2.	Ms. Renu	LA	12 Years	Maintenance of all 4 Labs of the Department
3.	Ms. Shailja	Data Entry Operator	12 Years	Data Entry and Office Work in BCA Department, Admission Related Work
4.	Mr. Sukhwinder Singh	Asstt. Technician	10 years	Maintenance of Hardware, Software and Computers of College

- ❖ **Academic Results (5 Years)**

- ❖ **Placements and Alumnae**

- ❖ **Students Achievements**

  - **Academic**

  - **Sports**

  - **National Level Competitive Examination**

  - **Co-Curricular Activities**

- ❖ **Participation of Students in Institutional Social Responsibility and Extension Activities**

ACEDEMIC RESULTS (5 YEARS)

2017-18

Class	Students Appeared	First Division	Second Division	University Pass %	College Pass %
BCA 1st Semester	58	45	9	62.92	93.1
BCA 2nd Semester	57	31	17	62.34	84.2
BCA 3rd Semester	74	68	--	71.84	93.2
BCA 4th Semester	74	49	1	76.33	78.3
BCA 5th Semester	64	56	--	67.69	87.5
BCA 6th Semester	64	61	--	52.15	95.3
PGDCA 1st Semester	17	13	1	68.36	82.3
PGDCA 2nd Semester	17	14	--	76.12	82.3
M.Sc.IT 1st Semester	13	13	--	80.18	92.8
M.Sc.IT 2nd Semester	13	13	--	86.73	100
M.Sc.IT 3rd Semester	13	13	--	78.33	100
M.Sc.IT 4th Semester	13	13	--	96.54	100

2018-19

Class	Students Appeared	First Division	Second Division	University Pass %	College Pass %
BCA 1st Semester	74	40	12	55.81	70.2
BCA 2nd Semester	74	45	9	65.58	71.6
BCA 3rd Semester	54	40	5	64.80	83.3
BCA 4th Semester	53	38	7	83.61	84.9
BCA 5th Semester	75	66	--	82.58	94.5
BCA 6th Semester	75	73	--	74.36	97.3
PGDCA 1st Semester	19	14	--	74.51	94.7
PGDCA 2nd Semester	19	19	--	80.28	100
M.Sc.IT 1st Semester	18	14	--	74.87	100
M.Sc.IT 2nd Semester	17	17	--	73.70	100
M.Sc.IT 3rd Semester	13	13	--	86.55	100
M.Sc.IT 4th Semester	13	13	--	87.20	100

2019-20

Class	Students Appeared	First Division	Second Division	University Pass %	College Pass %
BCA 1st Semester	68	38	25	49.49	92.6
BCA 2nd Semester	68	67	1	48.01	94.1
BCA 3rd Semester	68	40	25	79.05	95.5
BCA 4th Semester	68	66	2	67.40	100
BCA 5th Semester	53	43	8	82.34	96.2
BCA 6th Semester	53	53	--	75.61	100
PGDCA 1st Semester	20	16	1	74.09	85
PGDCA 2nd Semester	20	20	--	96.58	100
M.Sc.IT 1st Semester	15	14	--	78.93	93.3
M.Sc.IT 2nd Semester	14	14	--	81.67	100
M.Sc.IT 3rd Semester	15	15	--	85.09	100
M.Sc.IT 4th Semester	16	16	--	89.55	100

2020-21

Class	Students Appeared	First Division	Second Division	University Pass %	College Pass %
BCA 1st Semester	87	87	--	95.3	100
BCA 2nd Semester	85	85	--	96.0	100
BCA 3rd Semester	63	63	--	98.48	100
BCA 4th Semester	63	63	--	97.64	100
BCA 5th Semester	67	67	--	99.69	100
BCA 6th Semester	68	68	--	93.2	100
PGDCA 1st Semester	19	19	--	96.41	100
PGDCA 2nd Semester	19	19	--	93.89	100
M.Sc.IT 1st Semester	12	12	--	97.66	100
M.Sc.IT 2nd Semester	12	12	--	98.53	100
M.Sc.IT 3rd Semester	14	14	--	96.52	100
M.Sc.IT 4th Semester	14	14	--	97.49	100

2021-22

Class	Students Appeared	First Division	Second Division	University Pass %	College Pass %
BCA 1st Semester	88	88	--	97.22	100
BCA 2nd Semester	87	50	--	59.84	59.7
BCA 3rd Semester	85	85	--	98.0	100
BCA 4th Semester	84	61	--	84.95	76.19
BCA 5th Semester	63	63	--	99.36	100
BCA 6th Semester	62	55	--	84.07	88.7
PGDCA 1st Semester	29	24	5	98.0	100
PGDCA 2nd Semester	29	25	--	62.55	86.2
M.Sc.IT 1st Semester	20	20	--	100	100
M.Sc.IT 2nd Semester	20	18	--	72.86	90
M.Sc.IT 3rd Semester	11	11	--	99.27	100
M.Sc.IT 4th Semester	11	11	--	98.9	100

PLACEMENTS AND ALUMNAE

One of the strengths of the department is its strong entrepreneurial and professional culture. Students are motivated and trained to upscale their skills and potentials so that they may pursue their preferred career option. The department has a reputation of producing skilled professionals which attracts many good IT companies from all over India and has an impressive placement record. While many students benefit from the on-campus placements, a fair number of students also choose to pursue their higher studies in good institutes of India and abroad. Our students have been placed through Campus Placements in companies like IBM Global Services, HCL Technologies, Wipro, AMCAT, Infosys and many more.

STUDENT PLACEMENTS

Year	Job Offer/LOI
2017-18	21
2018-19	19
2019-20	14
2020-21	18
2021-22	12

STUDENTS PLACEMENT DETAILS

S.No.	Name	Session	Company Name
1	Propita	2015-18	Embitel Technologies, Banglore
2	Ananya	2015-18	Dealermatix Technologies Pvt. Ltd..
3	Priya Datta	2015-18	Estate Office, HSVP
4	Nandini Mehta	2015-18	Ascensia Diabetes Care
5	Jalpa Subedi	2015-18	Wits Innovation Lab
6	Sagrika Arora	2015-18	Wipro

7	Kumari Pratigya	2015-18	Code Brew Lab
8	Shivali	2015-18	TCS
9	Ritika Chauhan	2015-18	Becton Dickinson
10	Sandhya	2015-18	Tech Arch Software
11	Rakhi Jaiswal	2015-18	Innow8 Apps, Mohali
12	Prachi	2015-18	Oxane Partners
13	Dimple	2015-18	eClerx
14	Amita Panwar	2015-18	Profinch Solutions
15	Ranu Chauhan	2015-18	Bebo Technologies Pvt. Ltd.
16	Monika Bisht	2015-18	Avology Technologies
17	Renu	2015-18	App Smartz
18	Supriya Dhamija	2015-18	Deloitte Consulting India Pvt. Ltd.
19	Bhawna	2015-18	Edifics Technologies Pvt. Ltd.
20	Pallavi Garg	2015-18	Meritech Software Pvt. Ltd.
21	Vani Vashisht	2015-18	Techcronus Business Solutions
22	Sana Gupta	2016-19	Deloitte
23	Ananya	2016-19	Deloitte

24	Seema Pannu	2016-19	Edifecs
25	Priyanka Sharma	2016-19	Bebo Technologies
26	Navpreet Kaur	2016-19	Socomo Technologies
27	Preeti Bisht	2016-19	Web Astral Info systems
28	Shaina Kalia	2016-19	Collins Aerospace
29	Unnati Sharma	2016-19	H & R Block
30	Pratibha Kushwaha	2016-19	Agile Tech Labs
31	Preeti	2016-19	Richest Soft
32	Veshali	2016-19	Alert Enterprise
33	Harshita Rana	2016-19	Teleperformance
34	Sonia	2016-19	Oceaneering
35	Mahak Narang	2016-19	Cognizant
36	Nishika Sharma	2016-19	Cognizant
37	Rachna	2016-19	Cognizant
38	Jyotika Thakur	2018-19	Devherds Software Solutions
39	Ashmeet Kaur	2018-19	UCO bank
40	Ojaswini Sharma	2017-19	Working in IT Company

41	Kritika Parihar	2017-20	NETAPP
42	Aarti	2017-20	Webguruz Technologies
43	Chhavi Bakshi	2017-20	Teleperformace
44	Komal Pabiyal	2017-20	Teleperformace
45	Muskan	2017-20	Edifecs
46	Alka	2019-20	Tech Mahindra
47	Jyoti Yadav	2019-20	Blackbox GPS Company
48	Saroj Kumari	2018-20	Assistant Professor
49	Vani Vashisht	2018-20	IT Company
50	Renu	2018-20	IT Company
51	Sandhya	2018-20	Working in IT Company
52	Jalpa Subedi	2018-20	Working in IT Company
53	Sapna	2018-20	Assistant Professor
54	Ranu	2018-20	Working in IT Company
55	Arshdeep Kaur	2018-21	Code Brew Innovations Pvt. Ltd.
56	Priyanka	2018-21	Concentrix
57	Kavita Sharma	2018-21	Sunrise Facilitatos Pvt. Ltd.

58	Ruchi	2018-21	Slidetech Solutions
59	Neha Pariyar	2018-21	eClerx
60	Shivani Upadhaya	2018-21	RT Global Infosolutions
61	Manvi Behl	2018-21	Infosys
62	Deepshikha Sharma	2018-21	Adreno Technologies
63	Amanpreet Kaur	2018-21	Krescent IT Labs Pvt. Ltd.
64	Jyoti Dass	2018-21	HL Enovateur Technologies Pvt. Ltd.
65	Priya Shukla	2018-21	Seasia Infotech Pvt. Ltd.
66	Harjeet Kaur	2018-21	Chandigarh University
67	Karishma	2018-21	Aiveq Technologies
68	Chhavi Yadav	2020-21	Eclerx, IT Park
69	Priyanka Joshi	2020-21	Yiron Technologies, IT park
70	Ankita Sharma	2019-21	IT Company
71	Srishti Deoli	2019-21	IT Company
72	Sonia	2019-21	IT Company
73	Upasana Negi	2019-22	TeQ Mavens
74	Nidhi Sharma	2019-22	Midland Microfin

75	Yashvi Namdev	2019-22	Internship, Amazon
76	Kareena Negi	2019-22	eClerx Company
77	Snehdeep Kaur	2019-22	HDFC
78	Anjali	2019-22	Job, 99Grades, Wordpress Developer
79	Priya Joshi	2019-22	eClerx Company
80	Twinkle	2019-22	Training, Rowthtech & Rowth Autos
81	Radhika Kaushal	2021-22	Amazon
82	Yashu Thakur	2021-22	Working in Immigration Centre
83	Harpreet Kaur	2021-22	Sector 8, Chandigarh
84	Gaganpreet Kaur	2021-22	Toyota Panchkula
85	Sweekriti Smith	2009-12	Goldman Sachs
86	Rosy Sardana	2008-11	Well Established Actor and Host in Hindi Film Industry Mumbai
87	Sanjana Aggarwal	2010-13	Pearce Global Private Limited, Mohali
88	Harjot Kaur	2011-14	ABN AMRO Bank, Netherlands
89	Sapna Tarun	2009-12	Impact Analytics, Banglore

STUDENTS ACHIEVEMENTS

The students of the department are highly competent and excel in every field, whether it is academics or sports, curricular or extracurricular. Every year new talents are added to the department which bring laurels and enable the department to achieve even greater heights. **The Department is proud of its "Young Minds and Achievers".**

ACHIEVEMENTS IN ACADEMICS

University Positions in 2017-2018

    (1) PGDCA: Parwinder Kaur   : 6th Position

University Positions in 2019-2020

    (1) PGDCA: Rupinder Kaur   : 6th Position

    (2) PGDCA: Pawanpreet Kaur   : 10th Position

ACHIEVEMENTS IN SPORTS

Sr. No.	Name	Class	Achievement
1.	Gunisha Malhotra	BCA III	➤ Participated in 2nd Sahibzada Ajit Singh Memorial Basketball Tournament under Senior (3x3) Women held from 12 November-14 November 2021. ➤ Won Silver Medal at Volley Ball Tournament held at ATC on 24 October 2022
2.	Chanda	BCA I	➤ Won Gold Medal in 1500 mts and Bronze Medal in Triple Jump in Senior State Athletic Championship held at Sports Complex, Sector 07, Chandigarh on 18th January-20th January, 2019
3.	Rajinder	PGDCA	➤ Won Silver Medal in Softball at Senior State Softball Championship held at PGGC, Sector 46, Chandigarh on 22nd December-23rd December 2018
4.	Samridhi	BCA II	➤ Participated in Inter College Pencak Silat (Martial Arts) and won 2 Bronze Medals
5.	Divya Vohra	BCA II	➤ Won Silver Medal in Vushu in PU Inter College Competition held on 02.01.2022, Gymnasium Hall, Panjab University, Chandigarh

ACHIEVEMENTS IN NATIONAL LEVEL COMPETITIVE EXAMINATION

Sr. No.	Name	Class	Achievement
1.	**Sapna**	**M.Sc. (IT)**	➢ Cleared UGC-NET Examination in the subject of Computer Science and Applications held in December 2020 and JUNE 2021
2.	**Saroj Kumari**	**M.Sc. (IT)**	➢ Cleared UGC-NET Examination in the subject of Computer Science and Applications held in December 2020 and JUNE 2021

ACHIEVEMENTS IN CO-CURRICULAR ACTIVITIES

Name	Activity
Reena Negi	➢ NCC C-certificate holder with 'A' grade ➢ Gold medal in Inter Battalion Shooting Competition ➢ Bronze medal in Inter Group Shooting Competition ➢ Awarded "Best Cadet - 2018-19" ➢ Participated in Inter Directorate Shooting Championship ➢ Gold medal in Rock Climbing and Training Competition ➢ Participated in Republic Day Parade, Chandigarh ➢ NCC B-certificate with 'A' grade ➢ Blood Donation ➢ Volunteer for Inter-state wheelchair cricket tournament
Sakshi	➢ Participated in Movie Making Competition held at GCCBA 50 and secured 3rd Position
Harshita Jain	➢ Participated in Coder Decoder Competition held at DAV College Sector-10, Chandigarh ➢ Participated in Walkathon during EAT RIGHT MELA Competition Organized by Food Safety Administration, Health Department, U.T, Chandigarh
Simran	➢ Participated in Panjab University Zonal Youth Festival Khiddo Making and secured 1st position
Isha	➢ Participated in Panjab University Zonal Youth Festival Rassa Vatna and secured 1st position ➢ 1st position in Rassa Vatna in Talent Hunt Organized by Department of Home Science at Post Graduate Govt. College for Girls, Sector-11, Chandigarh in September, 2022.
Gunjan	➢ Participated in Panjab University Youth Festival Dramatics item (mime) competition got 1st prize
Jasmeen Kaur	➢ Participated in Panjab University Youth fest in Muhawradar Vartalap

Sharuti Choudhary	➢ Participated in Panjab University Zonal Youth fest in Paranda Making and secured 1st Position ➢ Consolation Prize in Poster Making in Inter College Competition Organized by Department of Environment Studies at Post Graduate Govt. College for Girls, Sector-11, Chandigarh to celebrate Akshay Urja Diwas-2022.
Sharon Walia	➢ Participated in Movie Making Competition held at GCCBA 50 and secured 3rd Position ➢ Participated in Collage Making Competition held at PGGCG-11 organized by Chandigarh State Aids Control Society held on November 4, 2022.
Nishita	➢ Participated in ESSAY WRITING Competition organized by RAYAT BAHRA UNIVERSITY on 4 September 2021.
Divya	➢ Participated in Poster Making Competition organized by Dev Samaj College for Women and secured 1st Position. ➢ Participated in Movie Making Competition organized by Chd Municipal Corporation and secured 1st Position ➢ Participated in Slogan Writing Competition held at PGGCG-11 and secured 1st Position ➢ Participated in SHORT MOBILE VIDEO CONTEST organized by MEDICAL PLANT BOARD, UT CHD & YUVASATTA-NGO and secured 1st Position ➢ Participated in NATIONAL LEVEL WALL PAPER DESIGNING Competition organized by MEHR CHAND MAHAJAN DAV COLLEGE FOE WOMEN 36 and secured 1st Position ➢ Participated in ESSAY WRITING Competition organized by RAYAT BAHRA UNIVERSITY and secured 1st Position ➢ Participated in VIDEO MAKING Competition held at PGGCG-11 and secured 1st Position ➢ Participated in Slogan Writing Competition held at PGGCG-11 and secured 2nd Position ➢ Participated in State Level Quiz Competition organized by Chandigarh State Aids Control Society and secured 3rd Position ➢ Participated in Essay Writing Competition held at PGGCG-11 and secured 2nd Position
Gunisha Malhotra	➢ Attended Annual Training Camp from 29 Sep 2021 to 3 Oct 2021. ➢ Participated in Republic Day Parade in Sector 17 on 6 Jan 2022. ➢ Passed B certificate examination of NCC with Grade B held in year 2022. ➢ Attended Annual Training Camp from 20 Oct 2022 to 27 Oct 2022. ➢ Participated in Cyclothon held on June 3, 2022. ➢ Participated in Marathon held on 2 Oct 2022.
Neha	➢ Participated in Rangoli Making Competition organized by PGGCG-42 to Celebrate National Science Day on 28 February 2022. ➢ Participated in Video Making Competition organized by PGGCG-42 to Celebrate National Science Day on 28 February 2022.

Prabhsimran Kaur	➢ Attended Annual Training Camp from 20 Oct 2022 to 27 Oct 2022 ➢ Participated in inter College Video Making Competition organized by MEHR CHAND MAHAJAN DAV COLLEGE FOE WOMEN 36 and secured 3rd Position
Harshita Jain	➢ Participated in Pot Painting in Inter College Competition Organized by Post Graduate Govt. College for Girls, Sector-11, Chandigarh to celebrate Akshay Urja Diwas-2022 and secured 2nd position ➢ 1st prize in Diya decoration on ozone conservation organized by PGGCG SEC 11(2021) ➢ 1st prize in poster making on ozone conservation organized by PGGCG SEC 11(2021) ➢ Participated in Rangoli making organised by PGGGCG SEC 42(science fest)2022 ➢ Participated in video making organised by PGGGCG SEC 42(science fest)2022 ➢ 2nd position in quiz organised by PGGGCG SEC 42(science fest)2022 ➢ 3rd position in Pictionary organised by PGGGCG SEC 42(science fest)2022 ➢ Participated in inter college poster making organized by PGGCG SEC 11, science, and technology fest (2022) ➢ 3rd place in planter painting organised by Goswami Ganesh Dutta Sanatan Dharma College sec 32(2022) ➢ 2nd prize in inter college pot painting competition organised on Akshay Urja Diwas by PGGGCG SEC 11 (2022) ➢ Participated in inter college rangoli making competition organised on Akshay Urja Diwas by PGGGCG SEC 46(2022) ➢ Participated in state level quiz competition for Red Ribbon Club
Muskan	➢ NSS certificate with 'A' grade holder ➢ Participated in Movie Making Competition held on 22 April 2022 and secured 3rd position ➢ Participated in Quiz Competition held on 28February 2022 and secured 2rd position ➢ Participated in Pictionary Competition held on 28February 2022 and secured 3rd position ➢ Participated in Rangoli Making Competition held on 28 February 2022 ➢ Participated in PowerPoint Presentation Competition held on 19 May 2022 and secured 2rd position ➢ Participated in 7 days NSS Camp on "Ban on Single Use Plastic" held from 18 October 2019 to 24 October 2019 and placed in Grade 'A' ➢ Participated in Inter College Poster Making Competition held on 21March 2021 and secured 3rd position
Tanya	➢ Participated in inter-college poster making competition held on 8thMarch 2022. ➢ Participated in cultural activity in Svanidhi Mahotsav held on 31st July. ➢ Participated as volunteer competition on the theme of HIV/aids awareness.

	- Participated in inter-college essay writing competition. - Participated in national level online e-poster making competition on the theme covid-19. - Participated in national online poster making competition on my ideal of freedom held on 22ndMarch 2021. - Participated in the national poster making competition held on 22nd April 2021. - Participated in the poster making competition on "covid vaccination: the next right thing" on 7th June 2021. - Taken the "Say yes to life, no to drugs" pledge. - Participated in' inter-college poster making with slogan competition'. - Participated in "national level poster making competition" held from 27th September-3rd October 2021.

PARTICIPATION OF STUDENTS IN INSTITUTIONAL SOCIAL RESPONSIBILITY AND EXTENSION ACTIVITIES

The students actively participate in NCC, NSS and in various clubs and societies of the college such as; Red Ribbon Club for Cancer and AIDS awareness, Traffic Awareness and Road Safety Society, Community Hygiene and Sanitation Society, Drug de-addiction Society, Environment Society etc. and work for the benefit of the society by taking it as their social responsibility.

Following Two students' volunteers of NSS from the department of BCA-I attended Capacity Building Programme on Entrepreneurship Development, organised by the Rajiv Gandhi National Institute of Youth Development, Regional Centre, Chandigarh, Sector-12, Chandigarh from 15th November to 18th November, 2022.

- ❖ **Divya Sharma**
- ❖ **Taranum**

Twelve Students volunteers of Red Ribbon Club from the department Participated in Cyclothon (Bicycle Rally) organized by State Aids Control Society Chandigarh, held on 27.08.2022 from Sukhna Lake to New Lake Sector 42 to Spread Awareness about HIV/Aids. Details of the Volunteers are:

SR. NO.	NAME	CLASS	ROLL NO.
1.	Sharon Walia	BCA III	1025
2.	Muskan	BCA III	1015
3.	Akansha	BCA III	1061
4.	Teena	BCA III	1029
5.	Tanya	BCA III	1079
6.	Sanjana	BCA III	1059
7.	Ashu	BCA III	1017
8.	Nishita	BCA III	1063
9.	Himanshi	BCA II	6094
10.	Khushi	BCA II	6089
11.	Samridhi	BCA II	6064
12.	Jasmeet	BCA II	6014

Activities of the Department

&

Tech Zeal Society

ACTIVITIES OF THE DEPARTMENT

Every year, with the start of new session, the Department organises various curricular and extra-curricular activities for the benefit of students as well as faculty members such as seminars, workshops, inter-college IT fest, fresher party etc. These activities not only enhance their skills but also provide them a platform to explore new interests, learn new skills, practice good time management skills, make new friends and become socially active. The students are highly encouraged to participate in such activities as more involvement is strongly correlated with higher development.

LIST OF CURRICULAR/CO-CURRICULAR/EXTRA-CURRICULAR ACTIVITIES

POST GRADUATE GOVERNMENT COLLEGE FOR GIRLS
SECTOR-11, CHANDIGARH

COURAGE TO KNOW

Name of Department: Computer Applications
(Session:2017-2018)

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1	Workshop on Vedic Maths	18th August, 2017	1
2	Freshers' Function	6th September, 2017	2
3	Educational-cum- Adventure trip	23rd to 27th October, 2017	3
4	Industrial visit to NEILIT, Mohali	8th November, 2017	4
5	Talk on Career Opportunities by Info Maths	9th February, 2018	5
6	Inter-College IT Fest (Tech-Zeal)	19th February, 2018	6

Principal
Post. Graduate Govt. College for Girls
Sector 11, Chandigarh

Workshop on Vedic Maths

M/s Infomaths Institute Chandigarh held workshop on Vedic Maths for the students of BCA and PGDCA courses on **18th August, 2017**. The resource person of the institute deliberated upon various techniques for easy calculations and remembering the formulas. The interactive sessions during the workshop helps in their mental exercise, thus improving the mental arithmetic skills. The workshop ensures that the participants acquaint themselves with themagic of Vedic Maths and learn formulas and tricks that help solve complex mathematical problems with ease. The workshop was attended by 170 students and also appreciated by the students as it was of immense benefit for them.

Workshop on Vedic Maths

Freshers' Function

The seniors of the Dept. of Computer Applications, Post Graduate Govt. College for Girls, Sec-11, Chandigarh, organized a Welcome party for the freshers of BCA Course on **6th September, 2017.** Dazzling performances of the students enthralled the audience. The students danced on a medley of songs which was enjoyed thoroughly by the audience. Solo song performances were also highly applauded by one and all. A group dance left the audience swerving on their feet. Around 160 students and faculty members enjoyed the show and showered their praises on the students performing on the stage. Speaking on the occasion, Chief Guest Professor Dr. Anita Kaushal, Principal of the college welcomed the freshers and congratulated them on their vibrant performances. Dr. Rama Arora, Dean, and Vice-Principal Mr. Kanwal Iqbal Singh also graced the occasion.

Freshers Party

Educational-cum- Adventure Trip

The Department of Commerce and Computer Applications jointly organized an educational cum adventurous trip for the students of B. Com and B.C.A. from **23rd October, 2017** to **27thOctober, 2017.** Around 60 students from both BCOM and BCA had visited different places like Manali, Salon valley, Manikaran Sahib, Kullu. Overall, the trip was quite helpful for grooming the personality of the students filled with fun and frolic. Manikaran. Manikaran is famous for its hot water springs emerging at various locations along the Parbati River. The students relished 'Langar' which is prepared in this boiling water only. The heat near the boiling place, where the meal is cooked, is so high that in-habitual persons cannot even stand and tolerate the heat for some minutes. The students were very excited for the trip as it was their first-time experience of camping. After a long journey of approx. 10 hrs, they finally reached their destination, The Highlander Camp.

Faculty Members of B. Com and BCA with students

Students during Adventures

Industrial Visit to NEILIT, Mohali

Department of Computer Applications organized an industrial visit for the students of BCA and M.Sc.-IT at National Institute of Electronics and Information Technology (NIELIT), Mohali on **8th November, 2017**. Total 50 students visited the institute and were welcomed with a brief interactive session about the advancements in the field of technology. The visit concluded with a small introduction about the Bigdata technology and its various applications in the technology world. The technology has contributed a lot in home automations, known as Domotics. After the session, the students proceeded for the networking labs and server room to see the various types and working of network devices such as routers, switches etc.

Faculty of BCA Department with Final Year Interactive Session with students

Talk on Career Opportunities by Infomaths

A Talk on different career opportunities after Graduation by Infomaths Studies Pvt. Ltd., Chandigarh was organised on **9th February, 2018** for the students of BCA 1st year and 2nd year. Career talks provide information on various occupations within an industry. They introduce students to the nature and scope of the work done and educate them on the skills necessary to perform certain job functions. The Career Talks are also designed to excite and motivate young people about the career options and opportunities available to them. They made the students aware about the various courses and specializations in Information Technology which they can choose after graduation. Total 90 students from BCA-1st and 2nd year had attended the talk.

Talk on Carrier Opportunities

Inter-College IT Fest (Tech-Zeal)

The Department of Computer Applications of Post Graduate Govt. College for Girls, Sector- 11, Chandigarh organized its 11th Inter-College IT Fest Tech-Zeal 2K18 on **19thFebruary, 2018**.The Fest was inaugurated by the Chief Guest Prof. (Dr.) Anita Kaushal, Principal, DeanDr. Rama Arora, Vice-Principal Mr. Kanwar Iqbal Singh and Prof. Pardeep Walia, HOD Computer Applications by lighting of the ceremonial lamp. The campus of the college was abuzz throughout the day with huge participation of more than 150 students from 10 collegesof the region. "Show Case" was a contest of movie making talent. "Dance Plus"- the Dance competition was highly enjoyed by the gathering. "Participants danced to the foot-tapping numbers of the latest songs. Treasure Hunt" was enjoyed by one and all. "Mind Explorer- It Quiz" tested the programming skills through problem solving, critical analysis and quick thinking. "Web-Createx" contest tested the web designing skills of the students. Many issues were presented in "Curtain-Raiser", the skit Competition. "Kod-Hak", the debuggingcompetition threw challenges before the participants.

Students of our College Performing Bhangra

Winner Team with Madam Principal

POST GRADUATE GOVERNMENT COLLEGE FOR GIRLS
SECTOR-11, CHANDIGARH

COURAGE TO KNOW

Name of the Department : Computer Applications
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2	Awareness Seminar for Competitive exams	28th August, 2018	2
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4	Freshers' Function	11th September, 2018	4
5	Workshop on "Data Network Security"	14th November, 2018	5
6	Workshop on Artificial Intelligence and Machine Learning	23rd February, 2019	6

Principal
Post Graduate Govt. College for Girls
Sector 11, Chandigarh

Workshop on Vedic Math's

Infomaths Institute Chandigarh held workshop on Vedic Math's for the students of BCA and PGDCA courses on **20th August, 2018**. The resource person of the institute deliberated upon various techniques for easy calculations and remembering the formulas. Vedic Maths is an excellent tool for developing interest towards numbers and making calculations a fun. The resource person also shared the brilliance of Vedic mathematics and taught few tricks to the students to calculate faster and with accuracy. The resource person gave various examples and in hand practice to the students to grasp the tricks spontaneously. Students showed keen interest in the knowledge imparted by the resource person and participated in the workshop with zeal and enthusiasm. It enables faster calculation as compared to the usual method. It promotes mental calculation. It gives students a better understanding of mathematic. Vedic math improves the spiritual side of the child's personality. The workshop was attended by 150 students and also it was of immense benefit for them.

Resource Person interacting with Students

Awareness Seminar for Competitive Exams

A seminar regarding IT and competitive exams was organized in the department by M/S Infomaths Studies Pvt. Ltd. on **28th August, 2018**.The resource person began the session by stating that today the students have lot of openings for prospective career in government sector, corporate sector. Competitionis getting tougher day by day and the doorway into the best of the academic institutes is just not straightforward. It requires a lot of hard work, dedication and most importantly, consistent efforts. The reality of tough competition can be seen through this data. The Purpose of any competitive examinationis not just to judge one's talent but also to test an individual's management and planning skills. The resource stressed that rigorous training, systematic planning and hard work are the keys to face the entrance exams. He finally concluded by stating that the exams are tough but not impossible to crack. Speaker through presentation enlighten around 120 students of BCA department about public and privatesector opportunities.

Awareness Seminar on Competitive Exam

Campus Placement Drive

A Placement drive was organized by infinity Technologies IT Park Panchkula for the jobs of Business Developers Executives and Web Developers. On **30th August, 2018**.Placement drive was organized for the final year graduation students of various streams. Main objective of the placement drive was to identify the talented and qualified students in the college who are suitable for the current job roles withoutany biased behavior. It was also to ensure students start a carrier and move forward in the right directionfor better quality living. Placement drive conducted different rounds like preliminary technical, HR andfinal interview. More than 100 students took part in the placement drive and showcased their technical and verbal skills.

Students Participated in Campus Placement   **Students during Preliminary Round**

Freshers' Function

The seniors of the Dept. of Computer Applications, Post Graduate Govt. College for Girls, Sec-11, Chandigarh, organized a Welcome party for the freshers of BCA Course on **11ᵗʰ September,2018**. Dazzling performances of the students enthralled the audience. The students danced on amedley of songs which was enjoyed thoroughly by the audience. Solo song performances werealso highly applauded by one and all. A group dance left the audience swerving on their feet. 150 students and faculty members enjoyed the show and showered their praises on the studentsperforming on the stage. Speaking on the occasion, Chief Guest Professor Dr Anita Kaushal, Principal of the college welcomed the freshers and congratulated them on their vibrantperformances.

Madam Principal & Faculty of BCA Department with Winners

Workshop on "Data Network Security"

A workshop on Data Network Security was organized on **14th November, 2018**. The upsurge of computer networks and increased dependence on the Internet has brought in vulnerabilities in the systemsconnected to the network. Opponents pitch various types of security-related attacks to the organizations,thereby stealing and modifying their valuable information. There is a great need of understanding the various attack types, taking precautionary measures to counter them and protect our systems from malicious parties. The workshop was aimed to discuss the current trends and future of Information Security and Secured Programming. Around 90 students had participated in the workshop.

Resource Person Interacting with Students of BCA

Workshop on Artificial Intelligence and Machine Learning

A workshop on machine learning was organized on **23rd February, 2019**. An "intelligent" computer usesAI to think like a human and perform tasks on its own. Machine learning is how a computer system develops its intelligence. AI and ML are everywhere, from the corporate world to gaming stations, and perhaps, more than our regular lives, AI is impacting the business world more. Artificial intelligence describes a machine that is capable of imitating and performing intelligent human behavior. Some of these tasks could include problem solving and decision making or specific activities requiring acute perception, recognition, or translation abilities. One way to train a computer to mimic human reasoning is to use a neural network, which is a series of algorithms that are modeled after the human brain. The workshop was organized to enlighten the trends and opportunities in Artificial Intelligence and MachineLearning and around 100 students from BCA department had attended the workshop.

Workshop on Artificial Intelligence and Machine Learning

POST GRADUATE GOVERNMENT COLLEGE FOR GIRLS
SECTOR-11, CHANDIGARH

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5	A Seminar on Career Counselling & Guidance	11th November, 2019	5
6	Field visit to Zee Multimedia labs	28th November, 2019	6
7	A two-day workshop on Python	10thto 11thFeburary, 2020	7

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Seminar on Career Guidance and Higher Studies

On **3rd September, 2019** a seminar on Career Guidance and Higher Studies was held. A career guidance seminar was conducted. In the seminar, the expert explained to the students the need to make an informed career decision and the various factors that play a role in it, namely Aptitude. The career guidance session focused on helping students and parents understand the importance of career guidance and counseling and understand the process of career guidance for their growth. The session focused on helping the students and parents break the myths around career counseling and learn about how career counselors and counseling can support their growth. The participants cleared their doubts and understood more about the career counseling process. They were then introduced to the concepts of career counseling and what it would entail. They understood that instead of parents just blindly making decisions for children without understanding their aptitude, personality and interest, could cause difficulties in their future personal and financial growth. Interest and Personality. It was organized by Infomaths, Chandigarh and 85 students from BCA Department had attended the seminar.

Seminar on Career Guidance and Higher Studies

Fresher's Party

A fresher's party was organized by the senior students of BCA for the BCA first year students on **19th September, 2019**. The students danced on a medley of songs which was enjoyed thoroughly by the audience. Solo song performances were also highly applauded by one and all.A group dance left the audience swerving on their feet. Around 180 students and faculty membersenjoyed the show and showered their praises on the students performing on the stage.

Students of BCA-I Participating in Freshers' Function

Story Telling Session on Product Development

There was a story telling session on Product Development by Start Up entrepreneur Mr. Vinay Joshi, Head Gurmarg Academy, Chandigarh on **7th November, 2019**. He discussed with students that one of the major challenges that project management and development teams encounter when working on a project is communication. In part, this is because communicating a concept or a vision for a product canbe extremely difficult. This can be especially true at the beginning of a project, product design, when there are unexplored and undeveloped objectives and features. Moreover, Management Roles and Teamsoften speak different languages insofar as different sectors or departments of businesses have different expertise and different regular tasks; for instance, a Product Owner may not know how to effectively communicate a feature of a product to a Programmer.

Story Telling Session on Product Development

A Seminar on "Social Innovation and Entrepreneurship"

A Seminar on "Social Innovation and Entrepreneurship" was organized on **08th November, 2019**. The resource person was Mr. Rajeev Markandey. Social innovation is essential for solving country's economic, social, and environmental challenges. We need growth that is fairer, greener and anchored inlocal communities. A model that values social cohesion as a genuine source of collective wealth. It is urgent that students and practitioners from different disciplines learn from each other to developentrepreneurial skills and social awareness for a sustainable, local impact. 150 students from BCA department attended the seminar and impressed with the motivational speech of the resource person.

A Seminar on "Social Innovation and Entrepreneurship"

Seminar on Career Counselling and Guidance

A Seminar on Career Counselling & Guidance by Ms. Rashneet, M/s Belwo Services India Private Limited on **11th November, 2019**. Around 120 students had attended the seminar. The guest faculty told students that there are many different understandings and interpretations as to what social innovation really means. Career Counseling is a process, that will help you to know and understand yourself through Career Assessment Test. In career assessment, career counselor will identify the intrinsic Potential, Multiple Intelligence and Personality. A social enterprise is an enterprise whose objective is to achieve a social, societal or environmental impact, rather than maximizing profit for its owners or shareholders. He discussed the objectives by trading on an ongoing basis through the provision of goods and/or services, and by reinvesting surpluses into achieving social objectives.

Seminar on Career Counselling and Guidance

Field Visit to Zee Multimedia Labs

The students were taken on a field visit to Zee Multimedia labs, Sector 34, Chandigarh on **28th November, 2019.** 60 students visited the institute which was established in 2003, Zee Institute of Creative Art. Chandigarh (also known as ZICA Chandigarh) is a premier institute of Creative Media and Design located in Chandigarh, Punjab. The Institute is part of the venture Zee Learn, backed by the parentfirms Zee and Essel Group**.** The Essel Group is one of India's strongest business ventures with assets in diverse fields such as Media, Healthy Lifestyle, Packaging, Technology, education, Infrastructure, PreciousMetals and Wellness. Several well-known brands which include Zee Network, Dish TV, DNA, Fun Republic,E-City, Asian Sky Shop and Essel World are owned by the Essel Group.

Zee Multimedia Labs

A Two-day Workshop on Python

A Two-day workshop on Python was conducted by Nidus Technologies, Chandigarh for students of BCA 6th semester and M.Sc. 2nd semester from **10th to 11th February, 2020**. Python programming is powering the globaljob market because the benefits of Python are clear. Python is a general-purpose, high-level, remarkably powerfuldynamic programming language that is used in a wide variety of application domains. Python supports multiple programming paradigms, including object-oriented, imperative and functional programming styles. Python is one of the top three programming languages in the world. Python programming is a general-purpose skill used in almost all fields, including Data science. 80 students from BCA and M.Sc. attended the workshop.

Two Day Workshop on Python

POST GRADUATE GOVERNMENT COLLEGE FOR GIRLS
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Seminar Conducted by Infomaths

A Seminar on "Introducing you to the world of AI" by Infomaths, Chandigarh on **25th January, 2021.** Artificial Intelligence is the ability to design smart machines or to develop self-learning software applications that imitate the traits of the human mind like reasoning, problem-solving, planning, optimal decision making, sensory perceptions etc. Artificial Intelligence (AI) is the branch of computer sciences that emphasizes the development of intelligence machines, thinking and working like humans. Concept of AI was elaborated in this seminar by giving examples of SIRI, TESLA, COGITO and NETFLIX. 85 students were very satisfied with this seminar and excited to gain enough knowledge about AI.

Seminar Conducted by Infomaths

Virtual Alumni Meet

PG Department of Computer Applications of Post Graduate Govt. College for Girls, Sector-11, Chandigarh organized an Alumni interaction on the **25th February, 2021** on the Virtual Platform. The meet started off at the scheduled time with the welcome address by the Head of the Department of computer Applications Prof. Pardeep Singh Walia. He was delighted to be connected to the participants and committed to upscale the activities of the Alumni Association in the times to come. It was attended by the 50 students of the department across the many academic sessions and shared their views and experience. Virtual Alumni Meet- 2021 is an occasion in which alumni from BCA can participate. This meet gives an opportunity to our alumni to interact with their old friends, classmates and teachers and share their memorable experiences with all. It further provides a platform for our students to share their success stories and continue to build a bond with the College. It will be conducted via Google Meet

Virtual Alumni Meet

Seminar conducted by Infomaths

One day Seminar on "Role of Digitization and Automation in Entrepreneurship" organized on **26thFeburary, 2021** by Infomaths, Chandigarh. Guest speaker was Mr. Sudhir Grover. He elaborated the concept of Digitization & Automation and told about transforming the World by enabling smarter ways of working. He took an example of turning printed communications into electronic mail or converting hand drones' schematics into CAD drawings. Heal so explained how Digitization & automation can help Organizations open up new areas of opportunity. 80 students of BCA department had attended the seminar.

Seminar conducted by Infomaths

Workshop by Mr. Jagdeep Singh, UCREATEIT PVT.LTD.

Institution's Innovation Council of Post Graduate Government College for Girls, Sector 11, and Chandigarh organized a Workshop on the theme "Design Thinking and Innovation" held on **20th April, 2021**. He introduced the theme of the workshop. Prof. Walia laid emphasis on design thinking as it minimizes the uncertainty and risk of innovation by engaging customers or users through a series of prototypes to learn, test, and refine concepts. Prof. Walia described innovation as essential in today's' ever-growing competitive world. Whether you are a manager in a global corporation, an entrepreneur starting up, in a government role, or a teacher in a college/school, everyone is expected to do better with less and that is why we all need design thinking. Around 120 were part ofthis workshop.

Workshop by UCREATE IT PVT. LTD.

Workshop conducted by Bulls Eye, Chandigarh

One day Workshop on "Innovation and Entrepreneurship" was organized on **7th May, 2021** by Bulls Eye. Guest speaker was Mr. Rajiv Markanday. He explained how Innovation and entrepreneurship are essential ingredients in building a successful commercial venture. The ways in which the two concepts fuel enterprise are something our faculty never stop exploring. Mr. Markanday adds–"Turning invention into innovation relies on how an entrepreneur positions themselves, gets funding and manages their venture to become successful. Innovation is about the process and organization needed to generate ideas in any context." Around 85 students had attended the workshop.

Workshop conducted by Bulls Eye

Virtual IT Fest (Tech-Zeal)

PG Department of Computer Applications of Post Graduate Govt. College for Girls, Sector- 11, Chandigarh organized virtual IT Fest-Tech Zeal on **28th May, 2021**. Students from various colleges from Chandigarh and Punjab had participated indifferent events like Montage, Show- Case, impromptu, Web Createx and got positions. The event was successful enough to attract as many as 34 team's registrations for a one-day event making it an event attended by more than 34 students.
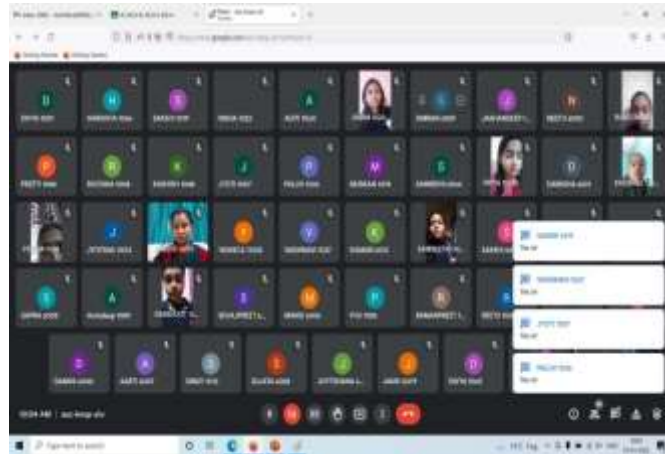

Virtual IT Fest (Tech-Zeal)   **Virtual Tech-Zeal Invitation**

Webinar conducted by SPIC, Chandigarh

One day webinar on "Mules of Technology enabling Startup" was organized on **26thJune, 2021** by Mr. Ashok Kashav. Technology conventionally has been shaped in two key places: outdated recognized corporations, or public and remote research centers. Resource person elaboratedlatest Data Integrated Platform, how Mules of deliver single view to the customer by using its technique of Data integration. In the present era of Digitization Mule soft Technology is great scope in future to grab jobs. 90 students from BCA department had attended the webinar conducted by SPIC.

Webinar on Mules of Technology enabling Startup

POST GRADUATE GOVERNMENT COLLEGE FOR GIRL
SECTOR-11, CHANDIGARH

COURAGE TO KNOW

Name of the Department: Computer Applications
(Session:2021-2022)

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S.No.	Activity	Date	Page No.
1	International Women's Day	8th March, 2022	1
2	One day talk on "Vedic Maths"	12th April, 2022	2
3	Farewell Party	15th June, 2022	3

Principal
Post. Graduate Govt. College for Girls
Sector 11, Chandigarh

International Women's Day

8thMarch, 2022 is celebrated as International Women's Day. It is a global day celebrating the social, economic, cultural and political achievements of women. To celebrate this day, the Department of Computer Applications had organized an Open House on women-centric theme. Students of BCA participated in the event in which they openly spoke up on various topics as: Women empowerment, Gender Equality, Break the bias etc., which clearly showed the focus to gender inclusion and women's empowerment. The event was organized underthe aegis of Azadi ka Amrut Mahotsav.

Student from BCA-III year expressing their Views on Women Empowerment

One Day Talk on "Vedic Math's"

One day talk on "Vedic Maths" was organized on **12th April, 2022**by Department of Computer Applications, PGGCG-11, Chandigarh. Guest speaker was Mr. Sudhir Grover, Director Infomaths, Sector 35, Chandigarh.55 students had attended the talk. Maths is not always the favorite subject of a child as it can get tricky to calculate numbers. However, with Vedic Maths a child can solve even complex calculations very easily. Mr. Sudhir elaborated the concept of Vedic Maths and guided the students for their future. He has explained that Vedic Maths helps students to build a rock-solid foundation in Mathematics and also enables to calculate much faster as compared to the Conventional System.

Resource person explaining the concept of VedicMaths with BCA Students

Farewell Party

The juniors of the Dept. of Computer Applications, Post Graduate Govt. College for Girls, Sec-11, Chandigarh, has organized a Farewell party for the students of BCA final year students on **15th June, 2022**. A farewell party was a good bye event. It was celebrated whenit's time for the seniors to step out of the college. The juniors have taken the initiative andmade sure that their seniors have a happy ending. It was celebrated by juniors performing many cultural activities. The event was attended by all the faculties and students of IT Department.

Principal Prof. Anita Kaushal with Winners

DEPARTMENTAL SOCIETY- "TECH ZEAL"

Tech Zeal Society is an entirely students' society of the Department of Computer Applications. President, Vice-Presidents, General Secretaries and Joint Secretaries form the governing body of the society. They are the elected members chosen by the faculty and students of the department. President and Vice Presidents are elected from BCAIII while General Secretaries and Joint Secretaries are the elected student representatives from BCAII and BCAI respectively. Apart from governing body, Magazine Editor and Placement Co-ordinator is also nominated by the faculty executive members. Elected Class Representatives also work in collaboration with them to organise various activities of the Department. They organise different events throughout the year like fresher's party, farewell and Inter-College Technology Fest, maintain department notice boards, Wall Magazines, general upkeep of the equipment, etc. Since all the students of BCA-I, II &III are its members, everyone is associated with some activity undertaken by the society depending on her ability & skill.

Tech Zeal IT Fest: Every year Tech Zeal society under the guidance of the faculty organises Tech Zeal, an inter-college IT Fest. The IT Fest is a Mega Event to showcase the talent of IT students of colleges of Tricity through different events, like Web Page Designing, IT Quiz, Code Arena-Debugging, Dance Competition, Nukkad Nautanki, Treasure Hunt, 70 mm Movie Making, etc. The society members take active part in planning, organising and holding the event with perfection. Students not only design the brochure, invitation cards, calendars, etc. but also take responsibility in decorating the different venues, help faculty to conduct various competitions, writing the certificates and other vital works to make event a grand success.

POST GRADUATE GOVERNMENT COLLEGE FOR GIRLS

SECTOR-11, CHANDIGARH

COURAGE TO KNOW

Department of Computer Applications -Tech-Zeal Society
(Session: 2017-18)

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S. No.	Activity	Date	Page No.
1	Inter College IT Fest(Tech-Zeal)	19th February, 2018	1

Principal
Post. Graduate Govt. College for Girls
Sector 11, Chandigarh

Inter College IT Fest (Tech-Zeal)

The Department of Computer Applications of Post Graduate Govt. College for Girls, Sector-11, Chandigarh organized its 11th Inter-College IT Fest Tech-Zeal 2K18 on **19ᵗʰFebruary, 2018**.The Fest was inaugurated by the Chief Guest Prof. (Dr.) Anita Kaushal, Principal, Dean Dr. Rama Arora, Vice-Principal Mr. Kanwar Iqbal Singh and Prof. Pardeep Walia, HOD Computer Applications by lightening of the ceremonial lamp. There were various activities held in this fest which included dance competition, Website creation, debugging, face painting. Students were so enthusiastic for this fest. They show cased their talent. All the faculty members worked so hard to make this event a success. The campus of the college was abuzz throughout the day with huge participation of more than 150 students from 10 colleges of the region. There was a media coverage for this fest. At the end of the day students were given awards for holding different positions.

Students performing dance during IT Fest

Principal Prof (Dr) Anita Kaushal with the Prize Winners

POST GRADUATE GOVERNMENT COLLEGE FOR GIRLS
SECTOR-11, CHANDIGARH

COURAGE TO KNOW

Department of Computer Applications-Tech-Zeal Society
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S. No.	Activity	Date	Page No
1	Inter-College IT Fest(Tech-Zeal)	11th April, 2019	1

Principal
Post. Graduate Govt. College for Girls
Sector 11, Chandigarh

Inter-College IT Fest (Tech-Zeal)

The Department of Computer Applications of Post Graduate Govt. College for Girls, Sector-11, Chandigarh organized its 12th Inter-College IT Fest Tech-Zeal2019 on **11ᵗʰApril, 2019**. The Festwas inaugurated by the Chief Guest Prof. (Dr.) Anita Kaushal, Principal Prof., Pardeep Walia, HOD Computer Applications by lighting of the ceremonial lamp. The campus of the college was abuzz throughout the day with huge participation of more than170 students from various colleges of the region. Head of the Department Prof (Dr) Pardeep Singh Walia read the departmental progress report and motivated students to participate more in the various events held during Tech Fest. Events included webpage creation, to remove errors from the Program, nukkad nautanki, Quiz, etc.

Students performing Bhangra during the Fest

Principal Madam and Other Faculty Members

POST GRADUATE GOVERNMENT COLLEGE FOR GIRLS
SECTOR-11, CHANDIGARH

COURAGE TO KNOW

Department of Computer Applications-TechZeal Society
(Session: 2020-2021)

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Principal
Post. Graduate Govt. College for Girls
Sector 11, Chandigarh

Virtual IT Fest (Tech-Zeal)

PG Department of Computer Applications of Post Graduate Govt. College for Girls, Sector-11, Chandigarh organized virtual IT Fest-Tech Zeal on **28th May, 2021**. Madam Principal Prof (Dr) Anita Kaushal inaugurated the event. IT Fest provides platform to students to showcase their talent in various fields. Students from various colleges from Chandigarh and Punjab hadparticipated indifferent events like Montage, Show-Case, Impromptu, Web Createx and numberof students got positions. The establishment of any event of this kind tests the organizational andleadership abilities of all the folks involved. Even though the event was conducted online, the participation was huge. Around 170 students participated online in this event. The event was huge success. It was good experience to conduct IT fest online for the first time. Every event went smoothly. Students and faculty members were so cooperative. Principal had given away prizes and certificates to all the winning teams and congratulatedthem and motivated them to participate more.

Students Presented online during Virtual IT Fest

Present Members of Tech Zeal Society

Student Council			
President			
Sr. No.	**Candidate Name**	**Roll No.**	**Class**
1.	Srishti Sharma	13121	PGDCA
President			
Sr. No.	**Candidate Name**	**Roll No.**	**Class**
2.	Muskan	1015	BCA III
Vice-President			
Sr. No.	**Candidate Name**	**Roll No.**	**Class**
3.	Sharon Walia	1025	BCA III
Magazine Editor			
Sr. No.	**Candidate Name**	**Roll No.**	**Class**
4.	Aditi Sharma	1068	BCA III
Placement Co-Ordinator			
Sr. No.	**Candidate Name**	**Roll No.**	**Class**
5.	Gunisha Malhotra	1010	BCA III
General Secretary			
Sr. No.	**Candidate Name**	**Roll No.**	**Class**
6.	Jasmeen Kaur	6015	BCA II
Joint Secretary			
Sr. No.	**Candidate Name**	**Roll No.**	**Class**
7.	Aishwarya	11062	BCA I
Class Representatives			
Sr. No.	**Candidate Name**	**Roll No.**	**Class**
8.	Divya	1015	BCA III
9.	Anugya	6010	BCA II
10.	Harmanjot Kaur	11031	BCA I
11.	Juhi Kumari	13107	PGDCA
12.	Apurva Manchanda	8020	M.Sc. (IT) II
13.	Kanika	12952	M.Sc. (IT) I

Faculty Achievements

FACULTY ACHIEVEMENTS
Research and Academic Contribution at a Glance
(2017-22)

S. No	Particulars	International	National/Regional
1.	No. of Paper Presented	3	4
2.	No. Of Articles/ Papers Published	3	3
3.	No. of books Published	-	3
4.	No. of Conferences Attended	3	64

Articles/Papers Published in Books/Journal
Session 2017-18

Name of Faculty	Title of Paper & Page No.	Name of Book & Year of Publications	Name of the Publisher	ISBN Number
Dr. Meenu Verma	Paper published on topic "path to Corporate Social Responsibility: health and safety issues in Indian Scenario" in International Conference on ESHM-17	International Journal of Science Technology and Management volume 06, Issue 01, January 2017	Link: www.ijstm.com	ISSN(O):2 394-1537 ISSN(P):2 394-1529
Dr. Preet Kamal Sharma	Paper published entitled "Balance Cluster Routing Algorithm for Expanding Wireless Networks (BaCRAEWN)" Indian Journal of Science and Technology, Vol 10(14), DOI:10.17485/ijst/2017/v10i1 4/110423, April 2017 IJST ISSN (Print): 0974	6846ISSN (Online) :09	Paper published entitled Balance Cluster Routing Algorithm for Expanding Wireless Networks Indian Journal of Science & Technology,Vol10(14),DO I:10.17485/ijst/2017/v10i1 4/110423,	6846 ISSN (Online): 09

Session 2018-19

Name of Faculty	Title of Paper & Page No.	Name of Book & Year of Publications	Name of the Publisher	ISBN Number
Ms. Ritu Singh Kalsi	Paper titled "Big Data"	Published in Volume-1, lssue12, in International Journal of Research in Engineering, Science and Management	Certificate	ISSN - 2581-5792.
Ms. Ritu Singh Kalsi	Paper titled "Internet of Things	Volume-2, lssue-3, in International Journal of Research in Engineering, Science and Management	Certificate	ISSN - 2581-5792

Session 2020-21

Name of Faculty	Title of Paper & Page No.	Name of Book & Year of Publications	Name of the Publisher	ISBN Number
Dr. Meenu Verma	Published paper on the topic "compensation, performance appraisal and employee performance of LIC India	Shodhsarita, an international research journal, volume 7, Issue 28, October to december2020	NPA, (Publications head) www.npajournals.org	ISSN-2348-2397
Dr. Meenu Verma	Published paper on the topic "Effectiveness of training and development in LIC India	Shodhsanchar bulletin, an international research journal, volume 10, Issue 40, October to dec 2020	NPA,(Publications head) www.npajournals.org	NPA, (Publications head)

Paper Presented at International/National Conference
Session 2017-18

Name of Faculty	Event	Date	Title of the Paper
Dr. Meenu Verma	Paper presented on in International Conference on ESHM-17	29.01.2017	Path to Corporate Social Responsibility: health and safety issues in Indian Scenario.
Dr. Meenu Verma	Presented paper in CDC, PU, Chd sponsored National Seminar	21-02-2017	Customer Relationship Management in retail Banking: dynamics and Trends"
Dr. Meenu Verma	Presented paper and participated in one day national seminar.	30-01-2018	Consumerism and consumer protection in the era of open markets

Session 2018-19

Name of Faculty	Event	Date	Title of the Paper
Ms. Ritu Singh Kalsi	Presented paper in ICSSR National Seminar ICSSR (New Delhi) sponsored National Seminar on "Informal Employment in India: Issues and Challenges" organised by Post Graduate Govt. College for Girls, Sector11, Chandigarh	28-03-2019	"Informal Employment in India: Issues and Challenges"
Ms. Harpreet Kaur	Presented a paper in ICSSR (New Delhi) sponsored National Seminar on "Informal Employment in India: Issues and Challenges" organised by Post Graduate Govt. College for Girls, Sector11, Chandigarh	28-03-2019	Occupational Categories of Workers and Conditions of Employment

Participation in National/Regional /Institutional level and Workshops Attended
Session 2017-18

Name	Event	Date
Dr. Meenu Verma	One Day capacity Building Workshop on "Digital Economy and Cyber Security" under RUSA	20-01-2017
Dr. Meenu Verma	Presented paper on topic "path to Corporate Social Responsibility: health and safety issues in Indian Scenario" in International Conference on ESHM-17	29-01-2017
Dr. Meenu Verma	One day Lecture cum Workshop on importance of medicinal plants and their vegetative propagation	07-02-2017
Dr. Meenu Verma	One Day capacity Building Workshop on "Sexual harassment at workplace" under RUSA	20-02-2017
Dr. Meenu Verma	Participated in seminar on "e- learning and MOOCS in higher education"	21-02-2017
Dr. Meenu Verma	Presented paper in CDC, PU,Chd sponsored National Seminar on "Customer relationship mgt in retail Banking: dynamics and Trends"	21-02-2017
Dr. Meenu Verma	Participated in RUSA sponsored Capacity Building Workshop on"Life Skills Training"	02-03-2017
Dr. Meenu Verma	One day Lecture cum Workshop on "Solar energy-key to future"	29-03-2017
Dr. Meenu Verma	Participated in one day Nationalseminar on "Aristotle and the Good Life"	29-03-2017
Dr. Meenu Verma	One Day capacity BuildingWorkshop on "e-learning-MOOCS" under RUSA	05-05-2017

Dr. Meenu Verma	One Day capacity Building Workshop on "Hands on training workshop Govt e-market" under RUSA	09-05-2017
Dr. Meenu Verma	One Day capacity Building Workshop on "e-Books: Selection, Acquisition and Access" under RUSA	25-05-2017
Dr. Meenu Verma	One Day capacity Building Workshop on "Research ethics, plagiarism and quality research papers" under RUSA	18-11-2017
Dr. Meenu Verma	One Day capacity Building Workshop on "Sustainable Harmonious Development in India: Issues and Challenges"under RUSA	24-01-2018
Dr. Meenu Verma	Presented paper and participated in one day national seminar on "Consumerism and consumer protection in the era of open markets"	30-01-2018
Dr. Meenu Verma	One Day capacity Building Workshop on "Ethics in Public life" under RUSA	19-03-2018
Ms. Ritu Singh Kalsi	Participated in Workshop on "E-Waste Management in Tricity	22-02-2017
Ms. Ritu Singh Kalsi	Participated in RUSA sponsored Capacity Building Workshop on "Digital Economy and Cyber Security"	20-01-2017
Ms. Ritu Singh Kalsi	Participated in One day Workshop on "Solar Energy-A key to the future"	29-03-2017
Dr. Preet Kamal Sharma	Participated in One Day National Workshop on "Developing E-Learning Modules for Teachers" held at Dev Samaj College of Education, sector -36, Chandigarh on	27-01-2017
Dr. Preet Kamal Sharma	Participated in Awareness Seminar on "e-Learning and MOOCs in Higher Education" held at PGGCG-42, Chandigarh on	21-02-2017
Dr. Preet Kamal Sharma	Participated in seven days RUSA sponsored Faculty Development Programme on "Honing Life Skills" held at PGGCG-42, Chandigarh from	22-02-2017 to 28-02- 2018
Ms. Harpreet Kaur	Participated in Lecture-cum-Workshop on "Importance of Medicinal Plants and their Vegetative Propagation" organized by Prakriti Society of Post Graduate Government College for Girls, Sector-11, Chandigarh	07-02-2017
Ms. Harpreet Kaur	Participated in One Day Workshop on "E-Waste Management in Tricity" organized by Post Graduate Government College for Girls, Sector-11, Chandigarh	22-02-2017

Ms. Harpreet Kaur	Participated in RUSA Sponsored Capacity Building Workshop on "Ethics in Public Life" organised by Department of Philosophy and P.G. Department of Public Administration, Post Graduate Govt. College for Girls, Sector-11, Chandigarh under the aegis of State Higher Education Council Chandigarh	19-03-2018
Ms. Harpreet Kaur	Participated in One Day seminar on "Information and Communication Technologies (ICT) for Education, Research and Innovation (IERI-2018) organized by Department of Computer Science and Applications, Panjab University, Chandigarh	26-04-2018
Ms. Navdeep Kaur	RUSA sponsored Workshop on "Digital Economy and Cyber Security"	20-01-2017
Ms. Navdeep Kaur	One-day Lecture cum Workshop on "Importance of Medicinal Plants and their Vegetative Propagation" organized jointly by Prakriti-The Environment Society and Department of Botany.	07-02-2017
Ms. Navdeep Kaur	One-day Workshop on "Solar Energy- A key to the Future" organized by Science Society	29-03-2017

Session 2018-19

Name	Event	Date
Dr. Meenu Verma	One Day capacity Building Workshop on Dynamics of Interpersonal Behaviour)under RUSA	27-11-2018
Dr. Meenu Verma	Participated in ICSSR sponsored National Seminaron 'Social Inclusion Social Equality through education	26-03-2019
Dr. Meenu Verma	Participated in ICSSR sponsored National seminar on 'Informal Employment inIndia-Issues and challenges'	28-03-2019
Ms. Ritu Singh Kalsi	Participated in ICSSR Sponsored National Seminar on "Informal Employment in India: Issues and Challenges"	28-03-2019
Ms. Navdeep Kaur	RUSA sponsored Capacity Building Workshop on "Ethics in Public Life" organized by Department of Philosophy & P.G. Department of Public Administration, PGGCG-11, Chandigarh under the aegis of State Higher Education Council Chandigarh	19-03-2018

Ms. Navdeep Kaur	ICSSR sponsored National Seminar on Informal Employment in India: Issues and Challenges	28-03-2019
Ms. Harpreet Kaur	Participated in Three Day State Level Training Workshop on Massive Open Online Courses (MOOC) held under the aegis of State Project Directorate (RUSA) UT Chandigarh in collaboration with Human Resource Development Centre (HRDC) Panjab University Chandigarh	03-10-2018 to 05-03-2018

Session 2019-20

Name	Event	Date
Dr. Meenu Verma	Course in ICT, with A+ Grade held by Directorate of Technical Education, UT Chandigarh"	30-09-2019 to 4-10-2019
Dr. Meenu Verma	Virtual National seminar on "Changing face of highereducation in India"	25-06-2020
Ms. Harpreet Kaur	Participated in One Day Workshop on "Neural Networks-Journey from Shallow to Deep Learning"	05-06-2020
Ms. Harpreet Kaur	Participated in Faculty Development Programme National Webinar entitled "Women in Higher Education: Issues and Challenges during Corona Pandemic"	27-05-2020.
Ms. Harpreet Kaur	Participated in Leadership Talk with Dr. Pramod Chaudhari, Founder, Chairman, Praj Industries Limited and Dr. Abhay Jere, Chief Innovation Officer MHRD Innovation Cell	16-05-2020
Ms. Harpreet Kaur	Participated in India First Leadership Talk Webinar with Prof D.P. Singh, Chairman UGC" organized by Chandigarh under the aegis of RUSA	09-05-2020.
Ms. Harpreet Kaur	Participated in Seven Days Faculty Development Programme on "Education and Pedagogy in Times of Digital Humanities	09-01-2020 to 15-01-2020
Mr. Saurabh Gupta	Participated Participation in FDP National Webinar entitled E-Content Development Methodology: Four Quadrant Model, OERs and Copyright Issues	15-05-2020
Mr. Saurabh Gupta	Participated in One Day Workshop on Neural Networks: Journey from Shallow to Deep Learning	18-05-2020
Mr. Saurabh Gupta	Participated in One Day Webinar on Benefits and Challenges of Using Microservice and Big Data Paradigm	13-06-2020

Name	Event	Date
Mr. Saurabh Gupta	Participated in National Level Webinar on Effect of Covid-19 on Higher Education	25-06-2020
Mr. Saurabh Gupta	Participated in -E-Impact Lecture on Atmanirbharta: A new Face of Entrepreneurship, MIC Driven Activity	27-06-2020
Mr. Saurabh Gupta	Participation in a Webinar on Artificial Intelligence in Civil Engineering Application	30-06-2020
Mr. Mohit Sanan	Participation in Regional Orientation Session on IIC 2.0 and ARIIA 2020	19-07-2020
Mr. Mohit Sanan	Participation in FDP National Webinar entitled Challenges and Opportunities in Higher Education in India for the 21st Century	08-05-2020
Mr. Mohit Sanan	Participation in Webinar on Embedded System Development	26-05-2020
Mr. Mohit Sanan	Participation in FDP National Webinar entitled Teaching During and Post Covid Times	12-06-2020
Mr. Mohit Sanan	Participation in a Webinar on Artificial Intelligence in Civil Engineering Application	30-06-2020
Ms. Ritu Singh Kalsi	Participated in 7-day Faculty Development Program under the Aegis of RUSA on "Education and Pedagogy in the times of Digital Humanities"	09-01-2020
Ms. Ritika	Faculty Development Session on "Need for IP Equipped Ecosystem for Future	25-05-2020 to 29-05-2020
Ms. Ritika	National Webinar on "New Challenges Post Pandemic: A Step Towards Connecting People to Environment	05-06-2020
Ms. Ritika	Value Added Program "Functional Programming using Python Programming	06-06-2020

Session 2020-21

Name	Event	Date
Dr. Meenu Verma	Webinar on "Career- International accounting and Finance	03-07-2020
Dr. Meenu Verma	Participated in National Webinar on "RevampingEducation sector Digitally	30-04-2021
Dr. Meenu Verma	Organised lecture on Intellectual Property Rights on	30-11-2021
Mr. Saurabh Gupta	Participation in National Webinar on New National Education Policy 2020 and Public Administration: Opportunities, Relevancy and Challenges	27-08-2020
Mr. Mohit Sanan	Participation in National Webinar on New National Education Policy 2020 and Public Administration: Opportunities, Relevancy and Challenges	27-08-2020

Session 2021-22

Name	Event	Date
Mr. Mohit Sanan	Participation in the Regional Meet Institutions Innovation Council MoEs Innovation Cell	26-07-2022
Ms. Ritika	Online Entrepreneurship Development Program	20-05-2022 to 21-05- 2022
Ms. Ritu Singh Kalsi	Participation in the Regional Meet Institutions Innovation Council MoEs Innovation Cell	26-07-2022
Dr. Preet Kamal Sharma	Participation in the Regional Meet Institutions Innovation Council MoEs Innovation Cell	26-07-2022

LIBRARY

A college is considered as an academic institution of higher learning offering degree courses. In college, a library occupies a prominent position and it is an important and integral part of the teaching programme. It is not merely a depository of books, but an active workshop instrument in the production of original thinking. The aim of college education and college libraries is inter-related. College library extends opportunities for self-education to the deserving and enthusiastic students without any distinction. Library stimulates the students to obtain, evaluate and recognize knowledge and to familiarize themselves with the trends of knowledge for further education and learning new disciplines. The primary purpose of the library is to provide resources and services in a variety of media to meet the needs of students for education, information and personal development. The library is well equipped with latest editions of books relating to the curriculum. It includes the reference books of related subjects. Library has an automated RFID along with vast compendium of 96328 books. In addition to this the library subscribes to 86 magazines, 38 subject journals and 15 newspapers in Hindi, English and Punjabi to keep the students and staff abreast with current affairs home and abroad.

College Library

The college library has a separate section for Information Technology/Computers students for their reference, knowledge and learning. This section is equipped with latest course books, reference books, magazines & journals. More than 2000 books on programming, website development, computer networks, software engineering, project management, e-commerce, accounting, information system design are available in the college library. The library has a spacious reading room where students can sit and explore the variety of respective books to read. The college library comprises of 4 journals on computer science: - Advances in Computational Sciences and Technology, International Journal of Advanced Computer Science and Technology, International Journal of Computer and Internet Security, Current Development in Artificial Intelligence

Departmental Library

The Department Library occupies a unique place in academic and research activities of the Department. It is perhaps the most important central facility provided by the department. The department maintains a separate section for departmental library which has variety of prescribed and reference books for the usability of students. The students can take advantage of reading and exploring the books as per their convenience. (Complete List of Books in College Library and Department Library is attached as Annexure C).

STRENGHTS, OPPORTUNITIES AND CHALLENGES

Strengths:

1) ICT enabled smart classrooms. Innovative teaching and learning methodology are practiced by the faculty.
2) Technical course that prepares students for a career in the field of computer application and software developments.
3) Cohesive department with stability.
4) Interaction of Post-Graduation Students with various Industries/Organizations (Private and Government) via Six-Month Industrial Training for M.Sc. (IT) students.
5) Talented, dedicated, knowledgeable and cooperative faculty.

Opportunities:

1. Highly sought after course with many potential job opportunities and PG Courses.
2. To start Integrated Courses (BCA with MCA).

Challenges:

1. To prepare students for better career options in both software and hardware.
2. To enhance their capability to deal with personal and social issues.
3. To provide students with best learning opportunities.
4. To start industrial training for undergraduate students.

BEST PRACTICES

- Supervising the dynamic website of the college thereby saving huge maintenance revenue.

- LAN (Local Area Network) and Internet Connectivity of the campus is managed and maintained by the department.

- Provide services to all the members of staff of the college in ICT related issues, e-Campus portal, e-Content Portal, etc.

- Running job-oriented courses after the normal college hours thereby optimally utilising the infrastructure.

- Annual Tech-Fest (Tech Zeal) is organized to enhance competitive, technical, extracurricular skills and provide a platform where students can showcase their talent.

- Mini workshop not only take cares of minor repairs of the departmental computers & equipment but the ICT equipment installed in the entire campus, thereby minimising repair and maintenance cost of the college.

- Teacher's Day and Children's Day are celebrated that helps in strengthening Teacher Taught Relationships.

- In House Management of Automation.

- Faculty was trained during Corona Pandemic for Online Teaching.

- ICT (Information Communication Technology) based teaching learning.

- Continuous evaluation of students is done on the basis of regular class tests, assignments, Power Point Presentations and Projects.

- Students are encouraged to participate in College and Departmental activities to develop their overall personality.

- Departmental meetings are held from time to time to apprise the faculty members about the development taking place at the college level and for taking departmental decisions.

- Regular parent teacher interaction is held at regular intervals with regard to the progress shown by their wards and finding workable solutions coming in the way of development of their ward.

- Field visits are organized at regular intervals to reinforce experiential and contextual learning as field visits are a way of enhancing classroom learning by making real world connections.