Program Structure for Bachelor of Computer Applications (BCA)

A) I SEMESTER

	Type of papers	Hours/ week	Credits	Duration of exam (h)	Max marks in exam			Remark
					Written	Internals	Total	
I SEMESTER	Core course 1	4	4	3	70	30	100	
	Core course 2	4	4	3	70	30	100	
	Corecourse 3	5	5	3	100	50	150	
	Pract course 1	3	1	3	35	15	50	
	Pract course 2	3	1	3	35	15	50	
	Lang course I	4	4	3	70	30	100	
	Lang course II	4	4	3	70	30	100	
	Total		**23**				**650**	

B) II SEMESTER

	Type of papers	Hrs/ week	Credits	Duration of exam (h)	Max marks in exam			Remark
					Written	Internals	Total	
II SEMESTER	Core course 4	4	4	3	70	30	100	
	Core course 5	4	4	3	70	30	100	
	Core course 6	5	5	3	100	50	150	
	Pract course 3	3	1	3	35	15	50	
	Pract course 4	3	1	3	35	15	50	
	Lan course III	4	4	3	70	30	100	
	Lan course IV	4	4	3	70	30	100	
	MC 1	3	2	1.5	35	15	50	
	CA 1	*	2	* As specified for the activity			50	
	Total		27				750	

C) III SEMESTER

	Type of papers	Hrs/ week	Credits	Duration of exam (h)	Max marks in exam			Remark
					Written	Internals	Total	
III SEMESTER	Core course 7	4	4	3	70	30	100	
	Core course 8	4	4	3	70	30	100	
	Core course 9	5	5	3	100	50	150	
	Pract course 5	3	1	3	35	15	50	
	Pract course 6	3	1	3	35	15	50	
	Lang course V	4	4	3	70	30	100	
	Lan course VI	4	4	3	70	30	100	
	MC 2	3	2	1.5	35	15	50	
	Total		25				700	

D) IV SEMESTER

	Type of papers	Hrs/ week	Credits	Duration of exam (h)	Max marks in exam			Remark
					Written	Internals	Total	
IV SEMESTER	Core course 10	4	4	3	70	30	100	
	Core course 11	4	4	3	70	30	100	
	Core course 12	5	5	3	100	50	150	
	Pract course 7	3	1	3	35	15	50	
	Pract course 8	3	1	3	35	15	50	
	Lan course VII	4	4	3	70	30	100	
	Lan course VIII	4	4	3	70	30	100	
	SCDC 1	3	2	1.5	35	15	50	
	CA 2	*	2	*As specified for the activity			50	
	Total		27				750	

E) V SEMESTER

	Type of papers	Hrs/ Week	Credits	Duration of exam (h)	Max marks in exam			Remark
					Written	Internals	Total	
V SEMESTER	Core course 13	5	5	3	100	50	150	
	Core course 14	5	5	3	100	50	150	
	Core course 15	5	5	3	100	50	150	
	Core course 16	4	4	3	70	30	100	
	Core course 17	4	4	3	70	30	100	
	Pract course 9	3	1	3	35	15	50	
	Pract course 10	3	1	3	35	15	50	
	Pract course 11	6	2	3	100	50	150	Project
	SDC 2	3	2	1.5	35	15	50	
	Total		29				950	

F) VI SEMESTER

	Type of papers	Hrs/ week	Credits	Duration of exam (h)	Max marks in exam			Remark
					Written	Internals	Total	
VI SEMESTER	Core course 18	5	5	3	100	50	150	
	Core course 19	5	5	3	100	50	150	
	Core course 20	5	5	3	100	50	150	
	Core course 21	4	4	3	70	30	100	
	Core course 22	4	4	3	70	30	100	
	Pract course 12	3	1	3	35	15	50	
	Pract course 13	3	1	3	35	15	50	
	Pract course 14	6	2	3	100	50	150	Project
	CA 3	*	2	*as specified for the activity			50	
	Total	36	29				950	

Awarding Credits for Bachelor of Computer Applications (BCA)

To graduate from Government Science College, students of BCA have to acquire a minimum of 160 credits. The total number of credits to be earned is shown as follows.

From 3 Major core courses (CC)   : 114

From Language Courses (LC)   : 32

From Mandatory Courses (MC)   :   4

From Skill Development Courses (SDC):   4

Co-curricular Activities (CA)   :   6

Total   **160**

Policy for awarding additional credits for undergraduate students

No student is awarded more than 3 additional credits in a single academic year, leading to the award of the degree, beginning in June through to April. However additional credits earned by the students/Cadets are mentioned separately in the marks cards. All the students are expected to spread out their additional credits across the three academic years they spend in the institution.

The distributions of the credits under different categories are as follows:

A. Sports and games

Students participating in sports and games as members of the college team, can get 2 credits per year for 60 hours of practice/training as recorded. For every additional 60 hours of training students shall get 1 additional credit.

- Students get 1 credit for every win whether as 1st, 2nd or 3rd prize in the inter-collegiate competitions
- For every subsequent win (only 1st prize), a student can get 1 credit
- Students playing for the Bangalore University teams can get 1 additional credit
- Students playing for the Karnataka state teams can get 2 additional credits
- Students playing in the National teams can get 3 credits. All these credits must be approved by the Sports Director and scrutinized by the committee constituted by the Principal.

(Note: All the documents for the award of credits must be maintained and made available for scrutiny).

B. Participation in cultural events

Students are expected to participate regularly in practice and training to obtain credits in the following:

- Dance/Music/Theatre/Creative areas of Cinema/Fine Arts – For 60 hours of training and practice, students of the College team can get a maximum of 2 credits
- 1 credits for every win whether 1st, 2nd or 3rd in inter-collegiate competitions
- 1credit for every subsequent win (only 1st) in inter-collegiate competitions.

All these credits must be approved by the coordinator in charge of cultural activities and scrutinized by the committee, constituted by the Principal.

(Note: All the documents for the award of credits must be maintained and made available for scrutiny).

C. NSS/other social/environmental/community service activity

- For 60 hours of involvement, students get 2 credits
- 2 credits for a work camp of ten days

All these credits must be approved by the coordinator/mentor of the respective activity.

(Note: All the documents for the award of credits must be maintained and made available for scrutiny).

D. NCC Navy and NCC Army

- 2 credit for 60 hours of training/parade/other activities
- 1 credit for participating in CATC or Inter group competition camps
- 1 Credit for NIC, State ID/RD contingent/Guard of Honour to Chief Minister, Governor, Vice President or President of India
- 2 Credits for All India Nausainik Camp/Tal Sainik Camp/Vayu Sainik Camp/RD Sailing Regetta/RD Parade/Youth Exchange Camps to Foreign Countries
- For multiples of the above, students get an additional credit
- 1 extra credits for passing B/C/other such Certificate examinations with A or B grade.

All these credits must be approved by the NCC Officer.

(Note: All the documents for the award of credits must be maintained and made available for scrutiny).

E. Other activities

Students can earn 2 credits for all the other activities such as industrial training, field studies, project work, surveys, outreach activities such as promotion of National Integration, Environmental protection (Lake Conservation, Tree Plantation, Save Wildlife activities, Tree plantation), promotion of Human Rights and Duties, Peace,

Civic Sense, Service to under privileged, Literacy activity, Promotion of Health and Hygiene and other forms of community services.

All these activities will require sufficient demonstrable academic input/contribution from students concerned.

- 1 credits for all first academic seminar presentations/paper reading
- 2 credits for publication in newspapers/journals/magazines/compilations
- For every subsequent activity of the above, students get an additional 1 credit
- 1 credit for organizing international and national seminars amounting to 30 hours of recorded work
- 1 credit for participating in two National/State level seminar/workshop
- 1 credit for measurable research work undertaken and Field trips amounting to 30 hours of work
- 1 credit for creating models in exhibitions/other exhibits
- 1 credit for any voluntary social service/Nation building exercise which is equivalent to 30 hours of recorded work.

All these credits must be approved by the Class Mentors.

(Note: All the documents for the award of credits must be maintained by the concerned mentor and made available for scrutiny).

F. Certificate courses:

- Students can get 2 credits for successful completion of a certificate course offered by the college. These credits must be approved by the Course coordinators
- Students who execute summer projects /training in institutions of repute, through national selection process, will get 2 credits for each such activity. This credit must be approved by the Class Mentors.

Note:

There are no credits for organizing or for serving as office bearers or volunteers for Inter-Class/Association/any other activities within the college. The office bearers and volunteers may be given a letter of appreciation by the respective staff coordinators.

All claims for the credit should be approved by the mentor within a fortnight of completing the activity and must be submitted in the prescribed format available in COE office, in the first week of March.