



TRIPURA UNIVERSITY
(A *CENTRAL UNIVERSITY*)
Suryamaninagar-799130

**Bachelor of Computer Application
(BCA)**

(Session: 2009-2012)

**Prospectus
Cum
Application Form**



BACHELOR OF COMPUTER APPLICATION (BCA)

Contact Address & Phone No.

- a) School of Information Technology and Computer Science
Tripura University, Suryamaninagar-799130, West Tripura.
☎ 0381-290-8757
Mobile: 09436454409

- b) Directorate of Professional Studies, Tripura University
Suryamaninagar-799130, West Tripura.
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Introduction:

The sending and receiving of vast amount of information in long distances and in short period of time has been a goal since human beings learnt to communicate. Words are continuously added to languages to convey new or more complete ideas. Method of transmitting those words and related information have been and are continually being developed. Along with these methods, codes have been arisen to convey letters, words and data. The coding of information into quantities of sound or smoke were two of the earliest attempts to communicate over long distances. The transfer of data in the digital form began around 1832 with the advent of Morse code, a systematic code that represents printable characters of a language using a form of binary data. Morse code served as a means of communicating information for a considerable amount of time. Within the production of work and business office environment, requirement of quick access to large amounts of information have led to the development of localized communication systems, such as local area networks(LAN), metropolitan area network (MAN) and wide area network (WAN). The networks are formed by computer system, communication equipment, various terminals and peripheral devices connected to a common communication network. Still the boundaries of communication are being extended. Multiple channels of communication are carried simultaneously through networks spanning the globe. More communication satellites are circling the earth, while fibre optic transatlantic cables are being laid. The fibre optic cables will supply many times the number of communication lines presently available. Integrated communication services have been developed that provide a way to sent and receive voice, video and data information on a single network. This service is called integrated Services Digital Network (ISDN).

Based on communication techniques, Information Technology is growing very rapidly. The increasing applications of computers in almost all areas of human endeavor have led to a vibrant industry with concurrent rapid change in technology. There are two main streams of computer education: engineering stream leading to BE/B Tech, ME degree, and application stream leading to BCA and MCA degrees. In Engineering stream primary stress is devoted to design of computer hardware and system software. On the other hand, the major emphasis in computer application is given on designing information systems for various organizations such as banks, insurance companies, hotels, factories, educational institutes and hospitals. The main objectives of the students will be to develop application software in diverse areas where computers are widely used. The students shall be provided with a sound background in computing, business functions and mathematics relevant to information Technology.

Keeping all this in mind, the University established the School of IT and CS in 2002 and introduced the BCA & MCA programmes. The School is equipped with the latest Core 2 DUO(V-Pro Technology) PC with internet and print facilities. It has also with electronic and microprocessor laboratory having latest instruments.

Organizing Department: :

BCA Course is organized under the School of Information Technology and Computer Science, Tripura University

Duration of the Programme:

The Whole course is designed into six semesters, every one is six months duration.

Eligibility for admission:

Candidates shall be eligible for admission to the BCA programme who have passed H.S.(+2) or its equivalent examination from any recognized Board/Council with at least 45 percent marks in aggregate and have passed in any two subjects out of the three subjects, viz, Mathematics, Physics and Statistics. A relaxation of 5 percent of marks is allowed for SC/ST/OBC and physically challenged candidates.

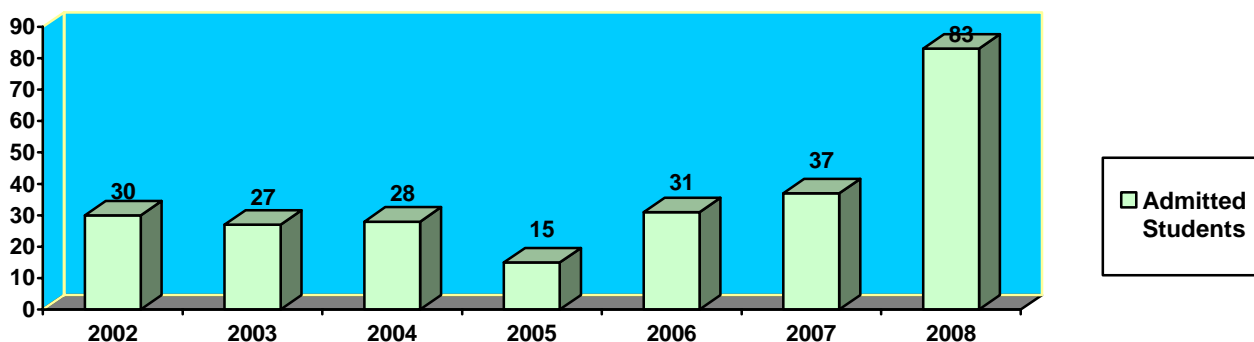
Number of seats:

The maximum intake capacity to the programme is eighty. Reservation for SC/ST/OBC/PH candidates in respect of admission shall be made as per rules of UGC and the policy of Govt. of India.

Policy against ragging :

The directives of the Honorable Supreme Court against ragging will be followed strictly.

Students Enrolment:



Procedure for admission:

The interested candidates are required to download Prospectus-cum-Application form from the Tripura University website: www.tripurauniversity.in. In case of any difficulty, the application form only may be collected free of cost from the office of the Hony. Director, Directorate of Professional Studies (DPS), Tripura University, Suryamaninagar-799130 before the last date of submission.

The completed application form, along with relevant documents and an A/C payee Demand Draft of Rs. 150/- from any branch of State Bank of India drawn in favor of "Directorate of Professional Studies, Tripura University" payable at State Bank of India, Tripura University Campus Branch (Code No.: 10495), may be submitted through Registered Post/ Speed Post/ In Person within the last date of submission of application form as notified in advertisement to the following address:

**Hony. Director
Directorate of Professional Studies (DPS),
Tripura University, Suryamaninagar-799130,
West Tripura**

Instead of an A/C payee Demand Draft any candidate can attach a copy of the Bank Challan (A/C No. 10333227475) with his/ her completed Application form at the time of submission after depositing

Rs. 150/- to the counter of State Bank of India, Tripura University Campus Branch, Suryamaninagar. The Bank Challan shall be available at the above mentioned office.

The candidate who will submit his/ her completed application form through post must attach a self addressed envelope (21cm X 27cm) affixed with a postal stamp of Rs. 25/- to receive acknowledgement cum Admit Card.

Selection Procedure:

The application received from the candidates shall be scrutinized by a selection Committee constituted by the University. Selection shall be made by the Selection Committee on the basis of their academic performance at H.S.(+2) level as well as on screening test and interview. The details programme for the screening test and viva voce shall be advertised in admission notification. Admission cannot be claimed as a matter of right.

The list of selected candidates shall be notified in the Notice Board of the Directorate and the concerned Department/school and the candidates shall be required to deposit the course fee within the stipulated period. The payment shall be made at the State Bank of India, TU campus Branch, code no. 10495 situated at Suryamaninagar through Bank Challan/ A/C(A/C No.10333227475). A copy of the Bank Challan is to be submitted to the office of the Directorate of Professional Studies, Tripura University, Suryamaninagar at the time of admission.

Examination Pattern:

There shall be a 2-tier evaluation for BCA programme:

- a) Continuous internal evaluation in the form of Periodical class test/Oral test/Class Assignment etc. to be arranged by the Coordinator of the Programme.
- b) Semester end examination to be conducted by the Controller of Examinations, Tripura University.

Eligibility for appearing in the term end exam:

The eligibility for appearing at the examination, the details of the examination pattern, internal assessment, pass marks etc shall be governed by the relevant Rules and Regulations notified by the University from time to time. However, it should be noted that minimum 65% of attendance should be maintained by the students to appear in the term end examinations. Break up is as under:

75% and above -	Collegiate
65% - 75% -	Non-collegiate
Bellow 65% -	Dis-collegite

Non-collegiate students have to pay the Non-collegiate fine applicable as per University rules.

Dis-collegiate students are not eligible to appear in the term end examination.

Student Activities:

Students are trained to develop Communication & Soft-Skill with digital presentation, audio visualization etc. Students participated in inter-Departmental Sports meet and Cultural Events of

Tripura University and begged prizes. Managing of in-house Library, consisting of Books, Journals, News Papers, Periodicals contributed by the teachers and the authority for overnight use.

Student Performance:

Students perform their Final Semester Project works in different organizations / industries / institutes guided by the internal faculty members.

Project Report:

The students are required to prepare and submit a project report under the guidance of the faculty members or a person from industry / organization / institutes as approved by the University.

Dress Code:

Boys : Navy Blue Trouser, White Shirt and Navy Blue tie with White Strip, Black Shoe and White socks.

Girls : Navy Blue Kameej and White Salwar or Navy Blue Saree and White Blouse.

Course Structure:

The Course Structure for the BCA programme are as follows:

First Semester		Full Marks
BCA-101	English	100
BCA-102	Physics	100
BCA-103	Basics of Information Technology	100
BCA-104	PC Software	100
BCA-105 Laboratory -I	PC Software	100
 Second Semester		
BCA-206	Mathematics	100
BCA-207	Basic Electronics	100
BCA-208	Data Base Management System I	100
BCA-209 Laboratory -II	Basic Electronics	100
BCA-210 Laboratory -III	Visual FoxPro/FoxPro	100
 Third Semester		
BCA-311	Programming Language-C	100
BCA-312	Data Structures Using C	100
BCA-313	Operating System	100
BCA-314	Computer Organization & Microprocessor	100
BCA-315 Laboratory -IV	Unix & C Programming	100
 Fourth Semester		
BCA-416	Object Oriented Programming using C++	100
BCA-417	Database Management System II	100
BCA-418	Fundamentals of Software Engineering	100
BCA-419 Laboratory -V	Oracle SQL	100
BCA-420 Laboratory -VI	C++	100
 Fifth Semester		
BCA-521	Computer Graphics & Image Processing	100

BCA-522	Data Communication & Computer Networking	100
BCA-523	Discrete Mathematics & Operation Research	100
BCA-524 Laboratory –VII	Java Programming	100
BCA-525 Laboratory -VIII	Networking & Internet Programming	100

Sixth Semester

BCA-626	System Simulation & Modeling	100
BCA-627 Laboratory -IX	GUI based programming	100
BCA-628	Project	100

Theory:	1800 Marks
Laboratory:	900 Marks
Project:	100 Marks
Total :	2800 Marks.

Important Dates

1	Last date for submission of filled-in Application form	:: 22 nd June, Monday
2	Written Test	:: 29 th June, Monday, 10 a.m.
3	Viva-voce	:: 29 th June, Monday, 1 p.m.
4	Publication of Result	:: 7 th July, Tuesday, 4 p.m.
5	Commencement of Class	:: 13 th July, Monday

Question paper pattern:

All the questions of the Screening test should be multiple choice type and carry the equal mark.

Affix a
Stamp-size
photograph
(Unattested)

Form No. _____

TRIPURA UNIVERSITY
Directorate of Professional Studies
Suryamaninagar 799130

APPLICATION FORM FOR ADMISSION

1. Programme Applied for : **Bachelor of Computer Application(BCA)**
2. Name of the candidate in full (Block Letter) : _____
3. Date of Birth :

Date	Month	Year
4. Sex (Please Tick) : **Male** **Female**
5. Father's Name : _____ Occupation _____
6. Mother's Name : _____ Occupation _____
7. Local Guardian's name : _____
8. Permanent Address : _____
_____ Pin: _____
9. Address for correspondence (if other than permanent address) : _____
_____ Pin: _____
10. Telephone Numbers (Land nos. with STD Code) :

	Land (O)	Land(R)	Mobile
Father			
Mother			
Local Guardian			
11. Category (Please Tick) : **GEN** **SC** **ST** **OBC** **PH**
(Enclose self attested photocopy of Certificate from the Competent Authority)
12. Nationality : _____
13. Sports:
- a) Whether National/ State meet participant: : **YES** **NO**
- b) If Yes, Name of Event : _____
- c) Year of Participation : _____
14. Details of application fee : Amount: **Rs. 150/- [mode of payment may be either (a) or (b)]**
(a) Draft No.: _____ Date: _____ Name of the issuing bank _____ and branch _____

15. Educational Qualification:

Examination Passed	Board/ University	School/ Institute	Year of Passing	Subjects taken	Total Marks	Marks Obtained	% of marks obtained in aggregate	Class/ Division
Madhyamik								
H.S. (+2)								
Other (Specify)								

16. Declaration by the candidate

I do hereby declare that the information given above is true and complete to the best of my knowledge and belief and if any of them is found to be incorrect, my admission shall be liable to be cancelled and I shall be liable to face any disciplinary action as may be decided upon by the University.

Place: _____

Date: _____

Full Signature of the candidate

Note: The following documents (Xeroxed and attested) are to be enclosed with the application form:

1. Admit card/ Certificate of Madhyamik or equivalent examination for age verification.
2. Marksheets of Madhyamik and H. S. (+2) examinations.
3. Citizenship Certificate.
4. Certificate from appropriate authority in case of ST/SC/OBC/PH candidates.
5. Certificate from appropriate authority in case of participant of any National/ State meet.
6. Bank Draft/ Bank Challan of Rs. 150/- .

-----Don't Write Below this line-----

For office use only

A c k n o w l e d g e m e n t - c u m - A d m i t C a r d

Form No. _____

Received an application from _____ for admission to BCA Programme.

Date of submission: _____

Signature of Receiving Staff

(Bring this slip at the time of Screening Test and Viva-voce Examination)