

**5<sup>th</sup>**  
Batch



PROSPECTUS

**CSE**

Professional

Session 2020-2021



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING (CSE)  
**DHAKA COMMERCE COLLEGE**



Principal Professor Dr. A. F. M. Shafiqur Rahman receives the award for the best Pre-model College from Professor Dr. Harun-or-Rashid, Vice Chancellor of National University in the presence of Honorable deputy minister of education Mohibul Hasan Chowdhury MP provided by National University in 2019.



Principal (Acting) Professor Md. Shafiqul Islam receives the award for the best non-govt. College in the Country on behalf of the College from the Honourable Education Minister Dr. Dipu Moni MP provided by National University as per its annual ranking in 2017.



Principal Professor Md. Abu Sayeed receives the award for the best non-govt. College in the Country on behalf of the College from the Honourable Prime Minister Sheikh Hasina provided by National University as per its annual ranking in 2016.



Principal Professor Md. Abu Sayeed receives the award for the best non-govt. College in the Country on behalf of the College from the Honourable Education Minister Mr. Nurul Islam Nahid provided by National University as per its annual ranking in 2015.



Principal Professor Kazi Md. Nurul Islam Faruky receives the Crest and Certificate on behalf of the College from the Honourable Education Minister Dr. M. Osman Faruq for becoming the best College for the second time in the National Education Week 2002.



Principal Professor Kazi Md. Nurul Islam Faruky receives the Crest and Certificate on behalf of the College from the Honourable Prime Minister Sheikh Hasina as the best College in the Country for the first time in the National Education Week 1996.

## Certificates of the Best College of National University




জাতীয় বিশ্ববিদ্যালয়  
বাংলাদেশ  
মডেল কলেজ প্রকল্প  
সনদপত্র

জাতীয় বিশ্ববিদ্যালয় কর্তৃক Key Performance Indicators (KPI)-এর ভিত্তিতে ঢাকা কমার্স কলেজ-কে প্রাক-মডেল কলেজ হিসেবে ঘোষণা করা হলো। শুভেচ্ছা ও অভিনন্দন।

১৩ই অর্ধদ ১৪২৬  
২৮শে সেপ্টেম্বর ২০১৯

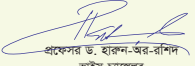
  
প্রফেসর ড. হোসেন-আর-রাশিদ  
ডাইস-চ্যান্সেলর



জাতীয় বিশ্ববিদ্যালয়  
বাংলাদেশ  
কলেজ র‍্যাংকিং ২০১৭  
সনদপত্র

জাতীয় বিশ্ববিদ্যালয় কর্তৃক নির্ধারিত কেপিআই (Key Performance Indicators)-এর ভিত্তিতে কলেজ পারফরমেন্স র‍্যাংকিং ২০১৭-এ ঢাকা কমার্স কলেজ জাতীয় পর্যায়ে সেরা বেসরকারি কলেজ নির্বাচিত হওয়ায় শুভেচ্ছা ও অভিনন্দন।

১০ই আগস্ট ১৪২৫  
২৪ই মার্চ ২০১৯

  
প্রফেসর ড. হোসেন-আর-রাশিদ  
ডাইস-চ্যান্সেলর




জাতীয় বিশ্ববিদ্যালয়  
বাংলাদেশ  
কলেজ র‍্যাংকিং ২০১৬  
সনদপত্র

২০১৬ সালের কলেজ র‍্যাংকিং-এ ঢাকা কমার্স কলেজ জাতীয় পর্যায়ে সেরা বেসরকারি কলেজ নির্বাচিত। প্রাপ্ত স্কোর ৬৩.২৮।

৪ঠা সেপ্টেম্বর ২০১৮  
২২শে মার্চ ১৪২৪

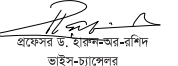
শুভেচ্ছা ও অভিনন্দন  
  
প্রফেসর ড. হোসেন-আর-রাশিদ  
ডাইস-চ্যান্সেলর



জাতীয় বিশ্ববিদ্যালয়  
গাজীপুর  
কলেজ র‍্যাংকিং ২০১৫  
সনদপত্র

ঢাকা কমার্স কলেজ ২০১৫ সালের কলেজ র‍্যাংকিং-এ বেসরকারি কলেজসমূহের মধ্যে ১ম স্থান অর্জন করে। প্রাপ্ত স্কোর ৬১.৮৫।

২০শে মে ২০১৬  
৩ই জুলাই ১৪২৩

শুভেচ্ছা ও অভিনন্দন  
  
প্রফেসর ড. হোসেন-আর-রাশিদ  
ডাইস-চ্যান্সেলর

## Certificates of the best College of Educational Ministry




জাতীয় শিক্ষা সঙ্গঠন ২০০২  
শিক্ষা মন্ত্রণালয়  
সনদপত্র

শ্রেষ্ঠ শিক্ষা প্রতিষ্ঠান বিবেচিত হওয়ার  
ঢাকা কমার্স কলেজ  
চিড়িয়াখানা রোড, মিরপুর, ঢাকা-১৬  
এ সনদপত্র প্রদান করা হল।


১৪ ফেব্রুয়ারি ২০০২

  
(মোহাম্মদ শহীদুল আলম)  
সচিব  
শিক্ষা মন্ত্রণালয়  
পদ্মঘাটকালী বাংলাদেশ সরকার



জাতীয় শিক্ষা সঙ্গঠন ১৯৯৬  
শিক্ষা মন্ত্রণালয়  
সনদপত্র

শ্রেষ্ঠ শিক্ষক/শিক্ষা প্রতিষ্ঠান রূপে বিবেচিত  
ঢাকা কমার্স কলেজ, তাবগ-কো  
এই সনদপত্র প্রদান করা হল।

  
সচিব  
শিক্ষা মন্ত্রণালয়  
পদ্মঘাটকালী বাংলাদেশ সরকার

# CSE PROFESSIONAL PROSPECTUS



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING (CSE)  
**DHAKA COMMERCE COLLEGE**

SELF FINANCED, FREE FROM POLITICS & SMOKING  
Dhaka Commerce College Road, Mirpur, Dhaka-1216  
Tel: +88-02-48033903, 48036942, 48037357  
Email: dcc.cse16@gmail.com, Website: www.dcc.edu.bd

**Bachelor of Computer Science and Engineering (CSE)**  
**Four Year CSE (Hons.) Professional Program**  
Under National University



**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING (CSE)**  
**DHAKA COMMERCE COLLEGE**

SELF FINANCED, FREE FROM POLITICS & SMOKING  
Dhaka Commerce College Road, Mirpur, Dhaka-1216  
Tel: +88-02-48033903, 48036942, 48037357  
Email: dcc.cse16@gmail.com, Website: www.dcc.edu.bd



# CSE



Dhaka Commerce College was awarded the best non-govt. college and the 4th best among both govt. and non-govt. colleges in Bangladesh as well as the 3rd best college in Dhaka and Mymensingh region by National University in 2015. Prof. Dr. Shafiq Ahmed Siddique, Chairman of Governing Body, Principal, Vice-Principal, Administration and some teachers of the college were present in the program.

**Dhaka Commerce College  
is the 'Best Non-govt. College'  
ranked by  
National University  
in 2015, 2016 and 2017**



**Chairman**  
Governing Body  
Dhaka Commerce College

## MESSAGE

I am happy to learn that Dhaka Commerce College is offering students to get admitted into its CSE program under National University in the session 2020-2021. Dhaka Commerce College has achieved tremendous success specially in flourishing business education in Bangladesh. It is contributing much to imparting world class quality education to the future business leaders of the country. It has made an unprecedented history in making brilliant results in all levels of education under Dhaka Education Board and National University by dint of its academic excellence. I am confident that the upcoming students of CSE program will shoulder the responsibility for sustaining and enhancing the glorious past of this institution.

In this age of globalization and open market economy, trade and IT sector are taking a big stride. Dhaka Commerce College is nourishing the rising generation to turn them into skilled manpower and business professionals in the corporate sector. CSE program of Dhaka Commerce College aims at providing the students with opportunities, resources and expertise to achieve academic, personal and career goals in a compatible atmosphere. I do believe that students of CSE program here will be benefited by the education par excellence imparted by the highly competent and dedicated faculty members obtaining higher degrees from reputed universities home and abroad.

Dhaka Commerce College is committed to helping its pupils in achieving their cherished goalkeeping in view the challenges of the twenty-first century. I hope that after graduating from this college, the students of CSE program will contribute much to socio-economic development by building up an enlightened nation and will enrich the history of the unparalleled success of this institution.

Professor Dr. Shafiq Ahmed Siddique



**Principal**  
Dhaka Commerce College

## MESSAGE

Dhaka Commerce College, founded in 1989 to provide distinctive quality education since its very inception and contributing to the building of an illuminated nation able to face the challenges ahead. Dhaka Commerce College is one of the leading institutions with outstanding achievements specially in promoting business education in Bangladesh. It has made a history in making brilliant results in all levels of education under Dhaka Board and National University. As a result, this college was recognized as the best educational institution all over the country twice by the government in 1996 and 2002 respectively. Moreover, the college is awarded the best non-govt. college in 2015, 2016 and 2017 by National University. The then principal of this college was also crowned with the best teacher award by the government in 1993.

This college introduced CSE program under National University in the academic session 2016-2017 and as a part of that trend we are enrolling students in the session 2020-2021. The primary objective of this program is to educate and guide our students so that they can play a very significant role in contributing to the socio-economic development of Bangladesh with their diverse knowledge, talent and creativity. In this new era of globalization and open market economy IT professionals must be able to address the challenges and threats of the increasingly competitive world. The mission of CSE program in Dhaka Commerce College is to impart world class and time-demanding education and training so that students can flourish their intellectual, social and personal potentialities. To turn the educated manpower into human resources, Dhaka Commerce College emphasizes the orientation of the students through excursion, internship, extra-curricular and co-curricular activities along with theoretical knowledge.

You will be happy to learn that our CSE program is run by a highly qualified faculty members having higher degrees from reputed universities home and abroad. In this new millennium the world has become a global village. So, students must be innovative in their thinking and should make a judicious choice of educational institutions.

We believe, your time at this institution will be very enjoyable and it will enable you to undertake the responsibility of the young executives and skilled IT professionals in the corporate sector successfully. I request you all to go through this prospectus carefully and visit the campus for talking to any concerned faculty or any member of the Admission Committee. If you join Dhaka Commerce College Family, our utmost endeavor will be to help you in achieving your cherished goal with academic excellence.

Professor Dr. Md. Abu Masud





**Vice Principal**  
Dhaka Commerce College

## MESSAGE

It gives me immense pleasure that Dhaka Commerce College is going to admit students in B.Sc. (Hons.) in Computer Science And Engineering (CSE) under National University in the academic session 2020-2021.

It is a matter of great satisfaction that many colleges, both private and public, have been established in the country to meet the rising demand for higher education of our students. Dhaka Commerce College was established for providing quality education to students and facilitating opportunities for research for teachers to help establish a knowledge based society and meet the growing challenges of the time.

Dhaka Commerce College emphasizes the orientation of students through excursions, internships, co-curricular, and extra-curricular activities along with theoretical knowledge. You will be very happy to learn that our CSE program is going to be run by some highly efficient faculty members winning higher degrees from reputed universities home and abroad.

We believe your time in this institution will be very enjoyable and enable you to undertake the responsibility of the young executives and skilled IT professionals in the corporate sectors successfully. Moreover, a CSE degree from this institution under National University will be valued at highly home and abroad. In addition to providing students with bookish knowledge higher education also helps students bloom with all their potentials. I request you all to go through this prospectus carefully. If possible visit our campus and feel free to consult the members of the Admission Committee or any member of the faculty. And if you finally join the Dhaka Commerce College family, our utmost endeavor will be to help you achieve your cherished desire with high academic excellence.

Professor Md. Wali Ullah



**Advisor, Academic**  
Dhaka Commerce College

## MESSAGE

Dhaka Commerce College introduced CSE program under National University in the academic session 2016-2017 and as a part of that trend we are enrolling students in the session 2020-2021. The primary objective of this program is to educate and guide our students so that they can play a very significant role in contributing to the socio-economic development of Bangladesh with their diverse knowledge, talent and creativity. In this new era of globalization and open market economy, IT professionals must be able to address the challenges and threats of the increasingly competitive world. The mission of CSE program in Dhaka Commerce College is to impart world class and time-demanding education and training so that students can flourish their intellectual, social and personal potentialities. In order to turn the educated manpower into human resources, Dhaka Commerce College emphasizes the orientation of the students through excursion, internship, extra-curricular and co-curricular activities along with theoretical knowledge.

You will be very happy to learn that our CSE program is going to be run by some highly efficient faculty members winning higher degrees from reputed universities home and abroad. We believe your time in this institution will be very enjoyable and enable you to undertake the responsibility of the young executives and skilled IT professionals in the corporate sectors successfully. Moreover, a CSE degree from this institution under National University will be valued highly at home and abroad. In addition to providing students with bookish knowledge higher education also helps students bloom with all their potentials. I request you all to go through this prospectus carefully. If possible visit our campus and feel free to consult the members of the Admission Committee or any member of the faculty. And if you finally join the Dhaka Commerce College family, our utmost endeavor will be to help you achieve your cherished desire with high academic excellence.

Professor Md. Shafiqul Islam



## Chairman

CSE Professional Program  
DEPARTMENT OF COMPUTER SCIENCE  
AND ENGINEERING (CSE)  
Dhaka Commerce College

## MESSAGE

Dhaka Commerce College, self-financed and free from smoking and politics, is one of the most reputed colleges in Bangladesh. This college was established in 1989 with a view to providing quality education in Bangladesh. The dream has come true with the ceaseless efforts and heartiest dedication of the Governing Body, efficient teachers, staff, students and the guardians. Dhaka Commerce College has created a new horizon in the field of education in Bangladesh by means of generating potential human resources imbued with values and morality. In return, the college was recognized as the best college in 1996 and 2002. In 2015, 2016 & 2017 the college was again crowned as the best non-govt. college and the fourth-best among the govt. and non-govt. colleges across the country as well as the third best college in Dhaka and Mymensingh region by National University. The fundamental feature of Dhaka Commerce College is that it ensures better results for all categories of students.

Computer Science and Engineering (CSE) is a prestigious course and the objective of this course is to create efficient manpower. To achieve this goal, the college has introduced the CSE Program under National University from the session 2016-2017 and the college is going to enroll students for the session 2020-2021. Dhaka Commerce College has been able to introduce CSE due to the sole, sincere effort of the honorable Chairman of the Governing Body, an eminent patron of quality education, Professor Dr. Shafiq Ahmed Siddique. The program is run by a group of dynamic and qualified faculty members and staff under the direction of the Governing Body. The Department of CSE facilitates learning of the students with state-of-the art class rooms, seminar library, rich central library, internet connection, computer lab, cafeteria etc. Though the students of the program have to sit for final examinations under National University, they have to sit for mid-term examinations, tutorials, class tests, quizzes, etc. Besides, they have to participate in case studies, assignment submission and presentations under the close supervision of the faculty members. In addition, the college ensures extra-curriculum activities through different clubs such as Sports Club, Cultural Club, Language Club, Business Club, Debating Club, General Knowledge Club, Study Tour Club, Arts & Photography Club, Drama Club, Rotaract Club, BNCC and so on. Through these activities, the Department of Computer Science and Engineering (CSE) is trying to be a center of excellence to create skilled citizens for the nation.

Rapid changes are taking place in the field of global business due to the advancement of information technology. I do affirm that after completing CSE Program from this institution, our graduates will be able to cope with the changing world and face the new challenges of globalization. I hope the journey of the students will be smooth and their career will be bright.

Finally, the students are urged to go through the prospectus to know in detail about the program.

Professor Dr. Md. Miraj Ali Akand



**Professor Dr. Md. Miraj Ali Akand**  
B. Sc. (Hons.) in Mathematics (DU)  
M. Sc. in Mathematics (DU)  
M. Phil. in Mathematics (BUET)  
Ph. D. in Mathematics (JU)  
*Chairman, Dept. of CSE*



**Md. Abdur Rahman**  
B. Sc. (Hons.) in Physics (CU)  
M. Sc. in Physics (CU)  
Masters in Information Technology (JU)  
*Associate Professor*



**Anupam Debnath**  
B.Sc (Hons.), M.Sc (Stat)  
Masters in Information Technology (JU)  
*Assistant Professor*



**Narpis Hydar**  
B. Sc. (Hons.) in CSE (AUB)  
Masters in IT (IIT, DU)  
*Assistant Professor*



**Mohammed Shoiebur Rahman**  
B. Sc. in CSE (CU)  
M. Sc. in CSE (DIU)  
*Assistant Professor*



**Nazma Akter**  
B. Sc. (Hons.) in CSE (MBSTU)  
M. Sc. in CSE (UIU)  
*Lecturer*



**Suyaba Hoque Turabi**  
B. Sc. (Hons.) in CSE  
M. Sc. in CSE  
*Lecturer*



**Farzana Akter Ripa**  
B.Sc (Hons.) in EEE  
M.Sc in CSE (JU)  
MBA in HRM (IUBAT)  
*Lecturer*



**Md. Sabbir Ahmed**  
B. Sc. (Hons.) in CSE  
M. Sc. in CSE  
*Lecturer*



**Shanchayan Bhattacharyya**  
B. Sc. (Hons.) in CSE  
M. Sc. in CSE  
*Lecturer*



**Sayama Alam**  
B. Sc. (Hons.) in CSE  
M. Sc. in CSE  
*Lecturer*



**Tasnia Sadia**  
B. Sc. (Hons.) in CSE  
M. Sc. in CSE  
*Lecturer*



## List of Adjunct Faculty Members



**Md. Shafiqul Islam**  
B. Sc. (Hons.) in Statistics (DU)  
M. Sc. in Statistics (DU)  
Commonwealth Executive MBA (BOU)  
*Associate Professor*



**Mr. Md. Abdul Khaleque**  
B. Sc. (Hons.) in Statistics (DU)  
M. Sc. in Statistics (DU)  
MBA in Finance (BUBT)  
*Associate Professor*  
*Chairman, Dept. of Statistics*



**Mrs. Shuriya Parvin**  
B. Sc. (Hons.) in Economics (JU)  
M. Sc. in Economics (JU)  
MBA in Finance (Stamford University)  
*Associate Professor*  
*Chairman, Dept. of Economics*



**Mrs. Aleya Parvin**  
B. Sc. (Hons.) in Mathematics (DU)  
M. Sc. in Mathematics (DU)  
MBA (Stamford University)  
DCAP (CITN)  
*Associate Professor*



**Mr. Khayrul Islam**  
B. A. (Hons) in English (IU)  
M. A. in Literature (IU)  
M. A. in TESOL (NSU)  
ILEP (USA)  
Ph.D. (Continuing) IU  
*Assistant Professor*



**Mr. Anupam Biswas**  
B. A. (Hons) in English  
M. A. in TESOL  
*Lecturer*



**Sigma Rahman**  
B.B.A (Hon's)  
M.B.A (H.R.M)  
*Assistant Professor*



**Farjana Rahman**  
B.B.A (Hon's)  
M.B.A (H.R.M)  
*Lecturer*



**Md. Ahaduzzaman Deraz**  
B.Sc (Hon's)  
M.Sc (Physics)  
*Assistant Professor*



**Md. Shamiul Alam**  
B.Sc (Hon's)  
M.Sc (Physics.)  
*Lecturer*



**Mrs. Marufa Sultana**  
B. A. (Hons.) in History (DU)  
M. A. (DU)  
*Lecturer (Part Time)*



## INTRODUCTION

Dhaka Commerce College, a self-financed educational institution, free from politics and smoking, was established in 1989 at King Khaled Institute, Lalmatia, and then shifted to Dhanmondi rented campus. The college was established with a view to producing illuminated and well educated people who would lead the business and industrial sector of the country. The college was shifted from Dhanmondi rental campus to its own campus at Mirpur on 22 January 1995. At the very beginning, the college launched HSC and B. Com. (Pass) Course. Honors and Master Courses were introduced from 1994-95 session.



IT education is critical in the process of technological development of a developing country like ours. The need for competent IT expert required to run an organization effectively is increasing day by day throughout the whole world. To mitigate this need, Dhaka Commerce College launched CSE Program in 2016-2017 session. The college received the best college award from the Government in 1996 and in 2002. In 2015, 2016 and in 2017 it was awarded the best non-govt. college by National University.



Annual Sports Program

At the program of the reception of some renowned scholars and brilliant students on the occasion of Silver Jubilee of the college, Honorable Planning Minister AHM Mustafa Kamal is delivering his speech to the audience. On the stage also present; Prof. Dr. Shafiq Ahmed Siddique, Chairman of the Governing Body, Mr. A.F.M. Sarwar Kamal, Prof. Md. Abu Saleh and Prof. Kazi Md. Nurul Islam Faruky members of the Governing Body and Prof. Md. Abu Sayeed, the Principal of the college.

## OUR IDEOLOGY

Dhaka Commerce College, self-financed and free from politics and smoking, maintains the ideals of education and religion. At first, the students have to acquire knowledge and utilize it in practical life. And this should be their religion because we think that work without knowledge and religion without work is nothing but deception.

## OUR COMMITMENT

We will build you up as a well-educated and self-educated person through discipline, and diligence which will take you to the zenith of success in every sphere of your future life. Our careful nursing will establish a strong foundation of your future life. Your present preparation is indispensable for you and for the nation in future.

## OUR STRENGTHS

As a leading educational institution of the country, Dhaka Commerce College has the following strengths:

- A model educational institution that is followed by many other institutions and recognized by the Government
- Governing Body is a portfolio of high personalities.
- Highly qualified faculty members holding Ph.D., M.Phil. and PMIT degrees;
- State-of-the-art classrooms;
- Separate seminar and central library;
- Free internet access;
- Compatible academic atmosphere
- Extra-curricular activities through various clubs such as sports club, cultural club, language club, business club, debating club, general knowledge club, study tour club, arts & photography club, drama club, Rotaract club, BNCC etc.;
- Counselling Program for the students;
- Cafeteria;
- Full time electricity and lift facility.



Faculties of CSE department are giving their best wishes to the newly appointed Principal professor Dr. Md. Abu Masud.



Faculties of CSE department are giving their best wishes to the newly appointed Vice Principal professor Md. Wali Ullah.

## ACADEMIC PROCEDURES AND RULES FOR CSE PROFESSIONAL PROGRAM

The Bachelor of CSE program is a professional undergraduate program for individuals also who plan to develop their career as junior level IT Professionals.



EX-Chairman of CSE department, Associate Professor, Md. Abdur Rahman is receiving crest in the farewell party.

The primary emphasis of the program is to develop knowledge and skills among the candidates to undertake practical operations of business enterprises. This program will also be helpful to those who plan their career in Government, Semi-government and Non government organisations.

The objective of the CSE Professional Program is complete grooming of a student's personality



# CSE

by providing a balanced study in the field of business and other related subjects. The purpose is to develop an executive personality and to produce strong operative skills among the graduates so that they can carry out organisational functions efficiently and effectively.

The following section describes the specific contents of the CSE Professional Program entry and graduation requirements.



Reception program of newly appointed chairman, professor Dr. Md. Miraj Ali Akand.

## ELIGIBILITY TO APPLY

- HSC/equivalent in 2018/ 2019/ 2020 and SSC/ equivalent in 2016/ 2017/ 2018 securing minimum GPA 2.50 (including 4th subject) in both examinations. Or, A-Level examinations in 2018/ 2019/ 2020 securing minimum 1 'B' grade and passed in 2 subjects and O-Level examinations in 2016/ 2017 /2018 securing minimum 3 'B' grades and passed in 4 subjects.
- Candidates from Science group can apply.
- In any of the following studied subjects at HSC level must have minimum grade point 3.00: Physics/Chemistry/ Higher Mathematics.



Teachers of CSE department are handing over wreath at Shaheed Minar.

## HOW TO APPLY

- Apply through National University website: [www.admissions.nu.edu.bd](http://www.admissions.nu.edu.bd) or [nu.edu.bd/admissions](http://nu.edu.bd/admissions).
- Take a printout of the duly filled-in application form using A4 size offset paper.

## ONLINE APPLICATION DATE

- 12/09/2021 to 28/09/2021

## SUBMISSION

The printed application form must be submitted to the college office along with attested photocopies of SSC/O Level, HSC/A Levels transcripts, registration cards and online application fee of Tk. 300 by 29/09/2021 between 9:00 am and 5:00 pm on all working days.



Departmental meeting regarding covid-19





Study Tour of the college at Tea Garden in Sylhet

## HELP DESK

A help desk will remain functional on the college campus for online application submission and for related information from 12/09/2021.

## SELECTION PROCEDURE

- No Admission Test will be held.
- A merit list will be published on the basis of a total of 100 marks counting 60% marks from HSC and 40% marks from SSC results with 4th subject by National University. Selected students will be admitted.

## PHYSICAL FITNESS

The selected students have to submit a medical certificate that she/he is free from any type of



Study tour in Sajek Valley with teachers and students.

contagious or chronic diseases. If any disease is found later on, his/her admission will be cancelled.

## REGISTRATION

Applicants finally accepted for the program should obtain the prescribed admission form for admission from the office of the college and submit it to the same office duly filled in along with necessary documents within the scheduled time.

Candidates having completed the above formalities must pay the requisite fees. Enrolment in the college and admission into the classes are conditional upon completion of all admission formalities including payment of all fees in the Bank.



Study tour in Cox's Bazar.

## THE PROGRAM

CSE Professional Program is a four-year program where teaching and examination of allocated courses for a specific semester would be finished within six months. Students will automatically be transferred to the next semester after examination pending the result. The basic structure of the four-year CSE Professional Program is as follows:



## COURSES OF CSE PROFESSIONAL PROGRAM

National University  
 Subject: Computer Science and Engineering  
 Syllabus for Four Year B.Sc. Honours Course  
 Session: 2020-2021

Year wise courses and marks distribution.

### FIRST YEAR

#### Semester I

Course Code	Course Title	Credit Hours
510201	Structured Programming Language	3.0
510202	Structured Programming Language Lab	1.5
510203	Electrical and Electronic Circuit	3.0
510204	Electrical and Electronic Circuit Lab	1.5
510205	Calculus	3.0
510207	Physics	3.0
510209	English	3.0
<b>Total Credits in 1st Semester</b>		<b>18.0</b>

#### Semester II

Course Code	Course Title	Credit Hours
510221	Digital Systems Design	3.0
510222	Digital Systems Lab	1.5
510223	Discrete Mathematics	3.0
510225	Linear Algebra	3.0
510227	Statistics and Probability	3.0
510229	History of the Emergence of Independent Bangladesh	3.0
<b>Total Credits in 2nd Semester</b>		<b>16.5</b>

### SECOND YEAR

#### Semester III

Course Code	Course Title	Credit Hours
520201	Data Structure	3.0
520202	Data Structure Lab	1.5
520203	Object Oriented Programming	3.0
520204	Object Oriented Programming Lab	1.5
520205	Computer Architecture	3.0
520207	Ordinary Differential Equation	3.0
520209	Fundamental of Business Studies	3.0
<b>Total Credits in 3rd Semester</b>		<b>18.0</b>

#### Semester IV

Course Code	Course Title	Credit Hours
520221	Database Management System	3.0
520222	Database Management System Lab	1.5
520223	Microprocessor and Assembly Language	3.0
520224	Microprocessor and Assembly Language Lab	1.5
520225	Design and Analysis of Algorithms	3.0
520226	Design and Analysis of Algorithms Lab	1.5
520227	Numerical Analysis	3.0
<b>Total Credits in 4th Semester</b>		<b>16.5</b>

### THIRD YEAR

#### Semester V

Course Code	Course Title	Credit Hours
530201	Peripheral and Interfacing	3.0
530202	Peripheral and Interfacing Lab	1.5
530203	Data and Telecommunications	3.0
530204	Data and Telecommunications Lab	1.5
530205	Operating System	3.0
530206	Operating System Lab	1.5
530207	Economics	3.0
<b>Total Credits in 5th Semester</b>		<b>16.5</b>

#### Semester VI

Course Code	Course Title	Credit Hours
530219	Software Engineering	3.0
530220	Software Engineering Lab	1.5
530221	Computer Networking	3.0
530222	Computer Networking Lab	1.5
530223	Embedded System Programming	3.0
530224	Embedded System Programming Lab	1.5
530225	Theory of Computation	3.0
<b>Total Credits in 6th Semester</b>		<b>16.5</b>



## FOURTH YEAR

### Semester VII

Course Code	Course Title	Credit Hours
540201	Artificial Intelligence	3.0
540202	Artificial Intelligence Lab	1.5
540203	Compiler Design and Construction	3.0
540204	Compiler Design Lab	1.5
540205	Computer Graphics	3.0
540206	Computer Graphics Lab	1.5
540207	E-Commerce and Web Engineering	3.0
540208	E-Commerce and Web Engineering Lab	1.5
<b>Total Credits in 7th Semester</b>		<b>18.0</b>

### Semester VIII

Course Code	Course Title	Credit Hours
<b>Major Theory Courses</b>		
540219	Network and Information Security	3.0
540220	Network and Information Security Lab	1.5
540221	Information System Management	3.0
<b>Project/Industry Attachment</b>		
540222	Project/Industry Attachment	6.0
<b>Optional Course (any one)</b>		3.0
540223	Simulation and Modeling	
540225	Parallel and Distributed Systems	
540227	Digital Signal Processing	
540229	Digital Image Processing	
540231	Multimedia	
540233	Pattern Recognition	
540235	Design and Analysis of VLSI Systems	
540237	Micro-controller and Embedded System	
540239	Cyber Law and Computer Forensic	
540241	Natural Language Processing	
540243	System Analysis and Design	
540245	Optical Fiber Communication	
540247	Human Computer Interaction	
540249	Graph Theory	
<b>Optional Course Lab (Any one)</b>		1.5
540224	Simulation and Modeling Lab	
540226	Parallel and Distributed Systems Lab	
540228	Digital Signal Processing Lab	
540230	Digital Image Processing Lab	
540232	Multimedia Lab	
245034	Pattern Recognition Lab	
540236	Design and Testing of VLSI Systems Lab	
540238	Micro-controller and Embedded System Lab	
540240	Cyber Law and Computer Forensics Lab	
540242	Natural Language Processing Lab	
540244	System Analysis and Design Lab	
540246	Optical Fiber Communication Lab	
540248	Human Computer Interaction Lab	
540250	Graph Theory Lab	
<b>Total Credits in 8th Semester</b>		<b>18.0</b>



Blood donation campaign held in Dhaka Commerce College on the occasion of National Mourning Day 2018



Dhaka Commerce College BNCC



Tree plantation program on the occasion of National Mourning Day 2020

## SALIENT FEATURES OF THE PROGRAM

1

*There are thirty-nine lecture courses each having 3 credit hour weight, including one on English.*

2

*There is one non-lecture course i.e Viva-voce and project paper/thesis Defense that an equal weight of a lecture course, to be taken in the eight semester of CSE program. The students are allowed 3 months, after their final examination, to complete and submit their project paper.*

3

*The eighth semester will determine the Optional Course of a CSE student where he/she will have fourteen options, out of which he/she must select one.*

Each semester will consist of about 21 weeks in which 17 weeks will be kept for class lectures, 1 week for pre-examination break and 3 weeks for examination.

### CLASS ATTENDANCE

Every student of CSE Professional Program must attend at least 85% of class lectures to qualify for sitting in the semester final examinations.

### PROMOTION, AWARD OF DEGREE, IMPROVEMENT AND DROP OUT

Result of a CSE student will be determined on the basis of Grade Point in a 4-point scale along with Letter Grade. However, to determine the Letter Grade/Grade Point the following range of marks will be considered:

Marks Range	Letter Grade	Grade Point
80% and above	A+	4.00
75% to less than 80%	A	3.75
70% to less than 75%	A-	3.50
65% to less than 70%	B+	3.25
60% to less than 65%	B	3.00
55% to less than 60%	B-	2.75
50% to less than 55%	C+	2.50
45% to less than 50%	C	2.25
40% to less than 45%	D	2.00
Less than 40%	F (Fail)	0.00

For promotion, results for two semesters in a year tabulated together will be considered for a year to year basis promotion. For getting promotion from one year to the next year, the student must appear in the final examinations, at least partially, so that he/she earns a GPA of 1.5 in the first year and then on GPA of 2.0 for second and third year (combined for two semesters in each year). In case of calculating GPA for promotion purposes, improvement marks in that relevant year will not be considered. In case he/she fails (F grade) in any or more course(s), he/she will have to appear in the final examination of that/those course(s) in subsequent semesters (two chances will be given to convert F grade into any countable grade). Where a student remains absent in any of the examinations which is countable towards GPA calculation, each absent will be deemed to have earned Zero marks (Grade Point 0.0) for him/her and the credit for relevant course be



CSE Programming Lab

deemed to have been taken. In any case, a student will not be allowed to sit for further regular examinations when his status is confirmed as not having earned the requisite pass number. In such a case he/she will have to seek for re-admission and continue with the next available batch as usual. A student can pre-empt his/her not getting promotion and seek for readmission well in advance to re-start with the next batch. In this process, he must pass all the lecture courses within a maximum period of six academic years.



CSE EEC Lab

A student of CSE eligible for appearing in improvements in the fourth year courses will also not be allowed to cross the statutory period of six years in the process. If he/she crosses the statutory period of six years, he/she loses his/her chance to improve the grades. For Viva and Project Paper Defense only, an additional time for a maximum period of six months may be allowed. No improvement examination will be allowed for Viva and Project Paper Defense. If

**Award of the degree of CSE will be dependent upon a student performing as follows:**

Total credits obtained	Performance in the courses	Time taken	Cumulative grade point average	Degree to be awarded
138 Credits	No F grade in any course	Maximum 6 years to complete the lecture courses and an additional six months to complete Viva and Project Paper Defense	Minimum 2.0 in a 4.0 scale	CSE



# CSE

he/she fails to qualify for the degree within six consecutive academic years and an additional period of six months for Viva and Project Paper Defense, being a regular student, he/she will automatically be dropped from the program. A regular student can get himself re-admitted for a maximum of two times. In such cases too he/she also must earn the degree within a maximum period of six consecutive academic years with an additional time of six months for Viva and Project Paper Defense. Rules for non-collegiate students are to be determined and applied separately by the National University.



Conduction departmental Meeting

A student earning D or more can opt for appearing in the Improvement Examination (except for Viva and Project Paper Defense) with next immediate available batch only, but only once for one course. In that case the earlier grade (and also the relevant marks, if any) earned in the course will be deleted. All midterm and assignment marks will remain unchanged in case of a student appearing in any improvement examination (i.e., improvement will depend only on the course final



HSC result celebration-2017

examination). In case of re-admitted students, the marks obtained earlier in the same semester courses only will be deleted from his/her record. However, a student will be usually readmitted in First, Third, Fifth, or Seventh semester only. In both the cases of retaking a course for failure or for improvement, a student must apply in specific form to the Controller of Examinations through the Head of the Department and through the Principal within 15 days of the publication of the provisional result. Semester results or yearly results (if combined for two semesters) will be considered as provisional.



SAARC Tour of the college: At the front gate of the Taj Mahal, India

**All lecture courses bearing 100 marks will be examined and marks awarded as follows:**

	Duration	Marks	Examined by
First Mid Term	1 hour exam	20	Course Teacher
Second Mid Term	1 hour exam	20	Course Teacher
Final Examination	3 hour exam	80	Two Examiners
<b>Total</b>		<b>100</b>	

## EXAMINATION RULES

There will be at least two in-course examinations and one home assignment to be conducted by the course teacher for his/her course and marks along with grade be submitted to the Head of the Department for compilation and subsequent submission to the Controller of Examinations of the National University. Only semester final examinations will be conducted by the National University on six monthly basis for each semester. The routine for final examination will be spread in such a way that those sitting for improvements and retakes should not coincide. Two examiners will evaluate the final examination scripts and a third examiner will be appointed for difference of marks awarded exceed 20%.

Each lecture course examination will be for three hours. Viva- voce will be taken at the end of 4th year for 50 marks and the rest 50 marks for the project report. Two individual marks will be added together and the total will be considered to grade the full course. Two examiners will examine the Project report (one internal/ supervisor and a second examiner/external). The examination committee as per normal convention of National University will conduct viva.

## EVALUATION

Computation of Grade Point Average will be made on the basis of following illustration:

$$\text{GPA} = \frac{\sum (\text{Credit} \times \text{Grade Point})}{\text{Total Credits}}$$



Teachers are gossiping.

**Example:**

### FIRST SEMESTER

Course No.	No. of Credits	Grade Awarded	Corresponding Grade Point	Points Secured
	Col. 1	Col. 2	Col. 3	Col. 4=(Col.1 X Col.3)
510201	3	A+	4.00	12.00
510203	3	A	3.75	11.25
510204	3	A-	3.50	10.50
510205	3	B+	3.25	9.75
510206	3	B	3.00	9.00
<b>TOTAL</b>	<b>15</b>			<b>52.50</b>

$$\text{EARNED CREDIT (EC)} = 3+3+3+3+3 = 15$$

$$\text{GPA} = \frac{52.50}{15} = 3.50$$



Dance being performed by the DCC students

## DISCIPLINARY MEASURES

Any student adopting unfair means will be treated as per the rules of National University in this regard.

## METHOD OF INSTRUCTIONS/ METHOD OF TEACHING

This course is designed to support CSE students in understanding CSE concepts at a level where they are comfortable developing ways to represent and formulate the same concepts on their own. The course will explore effective strategies to evaluate students so that they can learn each concept from the basic.

The teaching method will help students in every course by providing them with different books, notes and organized materials related to CSE subjects and projects. The course relies not only on theoretical but also on different course oriented practical and lab works. CSE Club will help every student to develop their skills in their desired CSE field with extra classes, seminars, contests and lab practice. To develop sound study habits, arrangements are made for supervised reading in the library and CSE seminar room. Students are required to prepare daily work assignments both theoretical and practical and sit on different tests which will bring out the best in them.

## THE MEDIUM OF INSTRUCTION IS ENGLISH

### CSE PROFESSIONAL PROGRAM OFFICE

The academic and administrative matters of the students of the program are looked after by the CSE Professional Programme office. The

services rendered by the office include registration of students, monitoring class, publications of result, processing applications of students for various purposes, record maintenance, counseling students on academic matters etc.

The office is administered by the Chairman with the assistance of the college administration.

## DISCIPLINE

The compatible atmosphere depends on combined discipline and behaviour of all students, teachers and employees. For this reason all students should abide by the following:

## UNIFORM

All Students should wear the dress and badge determined by the college. Without uniform and after schedule time no student is allowed to enter the college.



Students in CSE uniform

**Male student** : Ash shirt, black pants, black shoes with ribbon and black belt.

**Female student** : Ash kameez, white salwar, white dupatta and black shoes.

**N.B. To enter the college for other purposes every student should put on college uniform.**





SAARC Tour of the college: In front of Tri Bhubon Intl. Airport, Nepal

## CODE OF CONDUCT

Identity of a student does not depend only on good results, but also on the observation of overall code of conduct and discipline of the institution, so-

- Every student of the college must be polite, obedient and polished.
- Male students must have their hair cut at least once a month.
- Cosmetic material of female students will be worth of a female student.
- Relationship between the male and female students must be that of brother and sister.
- Relationship between senior and junior students should be that of younger and elder brothers and sisters.

## IN AND OUT OF CLASS

No student can stay in the veranda, field, cafeteria, canteen or library while the classes are taken. Besides, no student can go out of the college during the class-hours and before leaving. The students have to depart from the college after leaving.

## WARNING

Any indecorous activity subversive of students is strictly prohibited while in uniform. Anybody involved in such activity must be turned out of the college on discipline grounds.

## IDENTITY CARD

Every student must carry/wear an identity card provided by the college authority. Students have to preserve the identity cards with due caution. In case of having lost the identity card, students will collect it from the office within 3 working days paying an amount of Tk.500/= as fee after filing a diary at the nearest police station. It may be mentioned that guardians will be provided with identity cards to meet the college authority. Anybody without an identity card is not considered a guardian at all. Duplicate of the identity card is provided only once after loss.

## LEAVE OF ABSENCE

Maximum five days leave of absence in each semester for a student may be granted under special circumstances for the application of the real/original guardian. However, such leave may not be granted in case of examination.



The annual sports of the college



Performed by the college students in the annual sports program

## UNFAIR MEANS

Students are strictly forbidden from adopting unfair means in class assignments, tests, quizzes, examinations and project work.

The following would be considered as the adoption of unfair means during examinations and other contexts.

- Communications with fellow students for obtaining help.
- Copying from another student's scripts /report.
- Copying from printed matters, handwritten manuscript, Writing from desk or palm of a hand or from other incriminating documents.
- Possession of any incriminating document whether used or not.
- Any approach in direct or indirect form to influence teacher concerning tutorial or case assignment.
- Unruly behaviour which disrupts academic program. Adoption of unfair means may result in the dismissal of the student from the program and expulsion of the student from the college.

## EXPULSIONS/CANCELLATION OF ADMISSION

Any student will be expelled from the college or admission cancelled without the notice/ warning

notice for any of the following causes:

- Absence from college.
- Not to take part in internal examinations.
- To fail in the internal examinations.
- To write something on tables or walls.
- To behave badly with anybody.
- To do or get involved in any activity inimical to law and order.
- To break or fail in complying with law and order.

Even if needed be, the registration in the university may be cancelled. Any recommendation or persuasion about this will be treated as a double crime.

## STUDENTS' WELFARE COUNCIL

The college has no students' council. But there is a students' welfare council under the supervision of teachers for the overall welfare of the students. It functions to conduct all types of co-curricular activities supplementary with education. Aside from this, a welfare organization named 'Bandhan' is working for the help of the poor and bright students.

## STUDENT POLITICS AND SMOKING PROHIBITED

All kinds of political activities and smoking are entirely prohibited at college. The habit of smoking will be considered as a disqualification.

## CLUB AND SOCIETY

There are clubs for general knowledge, debate, Voice of America (VOA) fan, recitation, drama, music, cycling and skating, table tennis, Red Crescent, Rotaract etc. Students flourish their potentiality being the members of these clubs of their own accord. Besides, the B.N.C.C. is functioning as well.



*Annual Feast program of the college*

### GENERAL KNOWLEDGE CLUB

General knowledge club has been introduced so that the students can prepare themselves well for future competitive examinations.

### EXTRA CURRICULAR ACTIVITIES

Extra curricular activities like sports, literary and cultural program, publishing monthly, yearly and wall-magazine, conducting seminar and debate on various national and religious days, and picnic on different spots are arranged for the physical, mental and spiritual development of the students.

### INTER SECTION AND CLASS COMPETITION

With a view to creating a competitive mentality, competition on debates, sports, literary and cultural activities and on cleanliness are held among the students on the basis of section and class.

### DEVELOPMENT OF LEADERSHIP

For the flourishing of leadership quality, students are assigned with various activities of the college and best activist or personality is awarded.

### GUARDIAN MEETING

Guardians (only ID card holders) are allowed to meet with the students during class hours only with the prior permission of the authority. Such permission is given in case of emergency.

### RECORD FILING

Records of students' personal activities are kept and used to evaluate their results.

### INTERNAL EXAMINATIONS AND PROCEDURE OF EVALUATION

Midterm examinations, tutorials, class tests, quizzes are held regularly with a view to flourishing their talent and for internal evaluation. Besides, students have to participate in case studies, presentations and submit an assignment. It is mandatory for the students to take part in the internal examinations. In no way, students are allowed to remain absent from the examinations. Sick-beds are arranged for ailing students for conducting examinations. Admission is cancelled or a transfer certificate is given to the student who remain absent from the examination.

### STUDY TOUR

Study tours or excursions are arranged to different industrial factories, banks, stock exchange and different places of historical importance at different times of the year.



*A portion of teachers and students in the welcome ceremony of fresher's*



## VIEWS EXCHANGING MEETING

Views exchanging meetings among students, guardians and teachers are held on a date fixed by college/departmental authority or after the exams. It is a must for the guardians to be present there. Infact an examinee's progress in study or overall development depends on the united efforts of the students, teachers and guardians. In this way, the students can make good results.



CSE Exam Hall

## ARRANGEMENT OF SEATS

Every student is to sit on his/her own seat. It is prohibited to write down anything on tables or walls.

## VISITING PROFESSORS AND GUEST SPEAKERS

Prominent teachers of different Universities and institutes are invited to deliver lectures on a specific subject as visiting professors. Moreover, famous businessmen, bankers, social workers are invited as guest speakers to give the students practical knowledge.

## FEE STRUCTURE\*

**Fees:** Total fees for the entire CSE(Hons.) Professional Program (in 4 years) for the session 2020-2021 is only Tk. 2,25,000/- (can be paid in 16 installments) excluding National University registration and examinations fees.

## Fees Payment schedule would be:

1st installment (i.e. Tk. 15,000X1)	Tk. 15,000
2nd to 16th installment (Per installment Tk. 14,000; i.e. Tk. 14,000X15)	Tk. 2,10,000
Total=	Tk. 2,25,000

**Financial Waiver:** 10% financial waiver for the Ex-students of Dhaka Commerce College and on the basis of National University semester result special financial waiver will be given.

## FEES DEPOSITION

After collecting papers from the accounts section of the college, semester tuition fees and other fees should be deposited in the collection centre of Social Islami Bank Ltd. at college premises on a fixed date and time. Receipts of paying fees must be shown to the office of the college.

## THE FACULTY

The CSE Professional Program has a highly qualified and trained faculty who guide and take responsibility for the standard of education and that is imparted to students at the Department of Computer Science And Engineering (CSE). The department consists of the following members:

1. Program Director
2. Other full time and part-time teachers



Admission form distribution of CSE Professional Program



## Photo Album of CSE Professional Program



Seminar & Speech competition on the occasion of 7th March 2020



The VC of National University, Prof. Dr. Harun-ur-Rashid as the Chief Guest in the Prize Giving Ceremony of Annual Cultural & Sports Competition of 2017 & 2018



Wreath laid by the member of GB at the memorial of Father of the Nation Bangabandhu Sheikh Mujibur Rahman on the occasion of National Mourning day



International mother language day celebration



Free dental campaign on the occasion of International Mother Language Day 2020



The Principal & other teachers are praying for the Father of the Nation on the occasion of National Mourning Day 2020



GB Chairman's Home



The Principal, Professor Dr. A.F.M. Shafiqur Rahman participated in the Contract Signing Ceremony of Institutional Development Grant of CEDP Project of Ministry of Education



Ekushe Boi Mela -2020 at Dhaka Commerce College premises arranged by the students



Faculties of CSE department are giving their best wishes to the newly appointed Lecturers



Gossiping at roof garden of DCC's building-1



The renowned cultural personality and Freedom Fighter Nasir Uddin Yousuf is delivering his speech in the program of the Independence Day 2018



Provath Ferry on the occasion of International Mother Language Day 2020



Iftar party 2017



GB Chairman's Home



Part of central library of the college



Silver Jubilee celebration program



# CSE



Discussion of Career Development



Teacher is taking class



Nau Vromon 2018



Teacher and Students at EEC Lab



A CSE student is taking medical service from medical department of the college



Students performing at Annual Sports Program 2020