

**Department of Information Technology**  
**Govt. College of Engineering and Ceramic Technology**  
**Government of West Bengal**  
**73, Abinash Chandra Banerjee Lane**  
**Kolkata – 700 010**

Memo No. GCECT-IT (BOS)/12/2020-21

Dated: 05.03.2021.

**Notice**

Sixteenth meeting of the BOS of the department will be held on 8<sup>th</sup> March, 2021 at 11:00 A.M. on digital platform. Our main discussion will be on the detailed syllabus of 6<sup>th</sup> semester B.Tech. in IT / CSE.

I am attaching herewith the course structure and the draft copy of the detailed syllabus of 6<sup>th</sup> semester B.Tech. course in IT / CSE.

All faculty members are requested to attend the meeting positively.

Meeting Link :

[meet.google.com/gft-tyzv-fdf](https://meet.google.com/gft-tyzv-fdf)

Or dial: (US) +1 224-585-8640

PIN: 550 975 820#

*M. Maitra*

(Dr. Mausumi Maitra)

HOD

**16<sup>th</sup> Meeting of the Board of Studies (BOS) of the Department of Information Technology of Govt. College of Engineering and Ceramic Technology on 08.03.2021 at 11:00 AM on digital platform.**

**Meeting Code :**

**Dr. Mausumi Maitra has invited you to join a video meeting on Google Meet.**

**meet.google.com/gft-tyzv-fdf**

**Or dial: (US) +1 224-585-8640**

**PIN: 550 975 820#**

**Members Present :**

Name	Designation	Signature	E-mail	Contact No.
Prof. (Dr.) Krishnendu Chakrabarty	Principal		gcectwb@gmail.com	9339207179
Prof. Aditya Bagchi	Emeritus Professor, Computer Science & Data Science Dept., School of Math. Sciences, Ramakrishna Mission Vivekananda University, Belur Math.		bagchi.aditya@gmail.com	9830446611
Prof. Devadatta Sinha	Ex-Professor, Computer Science and Engineering, C. U.		devadatta.sinha@gmail.com	9830269278
Prof. Sushmita Mitra	Professor, Machine Intelligence Unit, ISI Kolkata		sushmita@isical.ac.in	9433353507
Prof. Nabendu Chaki	Professor, Computer Science and Engineering, C. U.		nabendu@ieee.org	9433068073
Dr. Mausumi Maitra	HOD and Professor, IT		maitra_mausumi@gmail.com	9830286280
Ms. Paramita Dey	Assistant Professor, IT		dey.paramita77@gmail.com	9051175129
Mr. Ritwik Mondal	Assistant Professor, IT		ritwik.mondal@gmail.com	9831492253
Ms. Shyama Mondal	Assistant Professor, IT		shyama.mandal@gmail.com	9874368269
Mr. Pranay Adak	Assistant Professor, IT		connect2pranay.2012@gmail.com	9735149346
Mr. Atanu Kumar Paul	Assistant Professor, IT		atanukumparpaul@gmail.com	9735149346
Ms. Shampa Mahata	SACT		Mahata.shampa@gmail.com	9007908426
Mr. Sudip Kuila	SACT		sudip-kuila@gcect.ac.in	7278589064
Ms Moumita Maity	SACT		mou.maity@gmail.com	8584931125
Ms Bidisha Ghosh	SACT		bidisha.ghosh@gcect.ac.in	7001426696
Dr. Ryan Saptarshi Ray	SACT		ryanray50@gmail.com	9831520613
Ms. Sushmita Samaddar	SACT		susmitasamadder1991@gmail.com	7278958255
Ms. Ananya Biswas	SACT		ananya-biswas@gcect.ac.in	9051143206
Meenakshi Acharya	SACT		acharya17m@gmail.com	8617318735

**Resolution of 16<sup>th</sup> BOS meeting of the Department of Information Technology  
GOVERNMENT COLLEGE OF ENGINEERING & CERAMIC TECHNOLOGY,**

**KOLKATA-10, HELD ON 8<sup>th</sup> March, 2021.**

<u>Agenda</u>	<u>Proceedings / resolution</u>	<u>Progress / Action Taken</u>
<b><u>Agenda 1:</u></b> Confirmation of the minutes of 15 <sup>th</sup> BOS meeting.	<b>1:</b> The draft minutes of the 15 <sup>th</sup> BOS meeting were reviewed and accepted.	<b><u>Against agenda no. 1</u></b>  No specific area was mentioned.
<b><u>Agenda 2:</u></b> Approval of paper setters for odd semester B.Tech. and M.Tech. on-line examination, 2021 under autonomous structure.	<b>2:</b> Based on the discussions in the departmental meeting a list of paper setters for odd semester B.Tech. and M.Tech. on-line examination, 2021 was placed in the BOS meeting by HOD of IT and it was unanimously approved by the board members.	<b><u>Against agenda no. 2</u></b> The recommended panel of paper setters was involved in the odd semester B.Tech. and M.Tech. on-line examination, 2021..
<b><u>Agenda 3:</u></b> Approval of the detailed syllabus of 6 <sup>th</sup> semester B.Tech. recommended by AICTE, 2018.	<b>3.</b> The detailed syllabus of core papers of 6 <sup>th</sup> semester B.Tech. in IT recommended by AICTE, 2018 was placed in the BOS meeting by HOD, IT for discussion and it was approved by the board members with minor corrections. Two separate buckets of electives for IT for one professional elective and one open elective were also placed by the HOD which were also approved by the board members.	<b><u>Against agenda no. 3</u></b>  The detailed syllabus of 6 <sup>th</sup> semester IT along with the course outcomes were uploaded in the college website before the commencement of the classes for the access of teachers and students.
<b><u>Agenda 4:</u></b> Suggestions regarding improvement of departmental academic activities (NBA accreditation).	<b>4:</b> It was advised by the board members to continue the academic exercise for NBA accreditation so that the department will be able to apply for NBA accreditation whenever the requirements for application will be fulfilled.	<b><u>Against agenda no. 4</u></b> Faculty members are preparing course files etc. accordingly.

The meeting ended with the vote of thanks by the chairman to other members of the committee.

**Department of Information Technology**  
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**Kolkata – 700 010**

Memo No. GCECT-IT (BOS)/1/2021-22

Dated: 25.07.2021.

**Notice**

Seventeenth meeting of the BOS of the department will be held on 4<sup>th</sup> August, 2021 at 11:00 A.M. on digital platform. Our main discussion will be on the detailed syllabus of 7<sup>th</sup> semester B.Tech. in IT .

All faculty members are requested to attend the meeting positively.

Meeting Link :

To join the video meeting, click this link: [meet.google.com/zrf-qcki-ndw](https://meet.google.com/zrf-qcki-ndw)

To join by phone instead, dial (US) +1 929-236-4242 and enter this PIN: 933 697 863#

More phone numbers:

*M. Maitra*

(Dr. Mausumi Maitra)

HOD

**17<sup>th</sup> Meeting of the Board of Studies (BOS) of the Department of Information Technology of Govt. College of Engineering and Ceramic Technology on 04.08.2021 at 11:00 AM on digital platform.**

**Meeting Code :**

**Dr. Mausumi Maitra has invited you to join a video meeting on Google Meet.**

**To join the video meeting, click this link: [meet.google.com/zrf-qcki-ndw](https://meet.google.com/zrf-qcki-ndw)**

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**More phone numbers:**

**Members Present :**

Name	Designation	Signature	E-mail	Contact No.
Prof. (Dr.) Krishnendu Chakrabarty	Principal		gcctwb@gmail.com	9339207179
Prof. Aditya Bagchi	Emeritus Professor, Computer Science & Data Science Dept., School of Math. Sciences, Ramakrishna Mission Vivekananda University, Belur Math.		bagchi.aditya@gmail.com	9830446611
Prof. Devadatta Sinha	Ex-Professor, Computer Science and Engineering, C. U.		devadatta.sinha@gmail.com	9830269278
Prof. Sushmita Mitra	Professor, Machine Intelligence Unit, ISI Kolkata		sushmita@isical.ac.in	9433353507
Prof. Nabendu Chaki	Professor, Computer Science and Engineering, C. U.		nabendu@ieee.org	9433068073
Dr. Mausumi Maitra	HOD and Professor, IT		maitra_mausumi@gmail.com	9830286280
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Mr. Sudip Kuila	SACT		sudip-kuila@gcct.ac.in	7278589064
Ms Moumita Maity	SACT		mou.maity@gmail.com	8584931125
Ms Bidisha Ghosh	SACT		bidisha.ghosh@gcct.ac.in	7001426696
Dr. Ryan Saptarshi Ray	SACT		ryanray50@gmail.com	9831520613
Ms. Sushmita Samaddar	SACT		susmitasamadder1991@gmail.com	7278958255
Ms. Ananya Biswas	SACT		ananya-biswas@gcct.ac.in	9051143206
Meenakshi Acharya	SACT		acharya17m@gmail.com	8617318735

**Resolution of 17<sup>th</sup> BOS meeting of the Department of Information Technology  
GOVERNMENT COLLEGE OF ENGINEERING & CERAMIC TECHNOLOGY,**

**KOLKATA-10, HELD ON 4<sup>th</sup> August, 2021.**

<u>Agenda</u>	<u>Proceedings / resolution</u>	<u>Progress / Action Taken</u>
<b><u>Agenda 1:</u></b> Confirmation of the minutes of 16 <sup>th</sup> BOS meeting.	<b>1:</b> The draft minutes of the 16 <sup>th</sup> BOS meeting were reviewed and accepted.	<b><u>Against agenda no. 1</u></b>  No specific area was mentioned.
<b><u>Agenda 3:</u></b> Approval of the detailed syllabus of 7 <sup>th</sup> semester B.Tech. recommended by AICTE, 2018.	<b>3.</b> The detailed syllabus of core papers of 7 <sup>th</sup> semester B.Tech. in IT recommended by AICTE, 2018 was placed in the BOS meeting by HOD, IT for discussion and it was approved by the board members with minor corrections. Three separate buckets of electives for IT for two professional electives and one open elective were also placed by the HOD which were also approved by the board members.	<b><u>Against agenda no. 3</u></b>  The detailed syllabus of 7 <sup>th</sup> semester IT along with the course outcomes were uploaded in the college website before the commencement of the classes for the access of teachers and students.
<b><u>Agenda 4:</u></b> Suggestions regarding improvement of departmental academic activities (NAAC accreditation).	<b>4:</b> It was advised by the board members to continue the academic exercise for NAAC accreditation.	<b><u>Against agenda no. 4</u></b> Faculty members are preparing course files etc. accordingly.

The meeting ended with the vote of thanks by the chairman to other members of the committee.

**Department of Information Technology**  
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**73, Abinash Chandra Banerjee Lane**  
**Kolkata – 700 010**

Memo No. GCECT-IT (BOS)/7/2021-22

Dated: 23.09.2021.

**Notice**

Eighteenth meeting of the BOS of the department will be held on 30<sup>th</sup> September, 2021 at 11:00 A.M. on digital platform. Our main discussion will be on

1. Preparation of the detailed syllabus of 1<sup>st</sup> semester M.Tech. in IT, recommended by AICTE 2018.
2. Selection procedure of elective subjects
3. Approval of paper setter for odd semester B.Tech. and M.Tech. examination, 2021
4. Miscellaneous

All faculty members are requested to attend the meeting positively.

Meeting Link :

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To join by phone instead, dial (US) +1 219-401-0159 and enter this PIN: 784 512 272#

More phone numbers:

*M. Maitra*

(Dr. Mausumi Maitra)

HOD

**18<sup>th</sup> Meeting of the Board of Studies (BOS) of the Department of Information Technology of Govt. College of Engineering and Ceramic Technology on 30.09.2021 at 11:00 AM on digital platform.**

**Meeting Code :**

**Dr. Mausumi Maitra has invited you to join a video meeting on Google Meet.**

To join the video meeting, click this link: [meet.google.com/cyk-sgda-qkc](https://meet.google.com/cyk-sgda-qkc)

To join by phone instead, dial (US) +1 219-401-0159 and enter this PIN: 784 512 272#

More phone numbers:

**Members Present :**

Name	Designation	Signature	E-mail	Contact No.
Prof. (Dr.) Krishnendu Chakrabarty	Principal		gcctwb@gmail.com	9339207179
Prof. Aditya Bagchi	Emeritus Professor, Computer Science & Data Science Dept., School of Math. Sciences, Ramakrishna Mission Vivekananda University, Belur Math.		bagchi.aditya@gmail.com	9830446611
Prof. Devadatta Sinha	Ex-Professor, Computer Science and Engineering, C. U.		devadatta.sinha@gmail.com	9830269278
Prof. Sushmita Mitra	Professor, Machine Intelligence Unit, ISI Kolkata		sushmita@isical.ac.in	9433353507
Prof. Nabendu Chaki	Professor, Computer Science and Engineering, C. U.		nabendu@ieee.org	9433068073
Dr. Mausumi Maitra	HOD and Professor, IT		maitra_mausumi@gmail.com	9830286280
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Mr. Pranay Adak	Assistant Professor, IT		connect2pranay.2012@gmail.com	9735149346
Mr. Atanu Kumar Paul	Assistant Professor, IT		atanukumpaul@gmail.com	9735149346
Dr. Kalpana Saha (Roy) (Invitee)	Assistant Professor, HOD, CSE (Invitee)		klpnsh@gmail.com	9830048129
Mr. Sudip Kuila	SACT		sudip-kuila@gcct.ac.in	7278589064
Ms Moumita Maity	SACT		mou.maity@gmail.com	8584931125
Ms Bidisha Ghosh	SACT		bidisha.ghosh@gcct.ac.in	7001426696
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Ms. Ananya Biswas	SACT		ananya-biswas@gcct.ac.in	9051143206
Meenakshi Acharya	SACT		acharya17m@gmail.com	8617318735



**Resolution of 18<sup>th</sup> BOS meeting of the Department of Information Technology**

**GOVERNMENT COLLEGE OF ENGINEERING & CERAMIC TECHNOLOGY,**

**KOLKATA-10, HELD ON 30<sup>th</sup> SEPTEMBER, 2021 AT 7:30 PM ON DIGITAL PLATFORM.**

<b><u>Agenda</u></b>	<b><u>Proceedings / resolution</u></b>	<b><u>Progress / Action Taken</u></b>
<b><u>Agenda 1:</u></b> Confirmation of the minutes of 17 <sup>th</sup> BOS meeting.	1: The draft minutes of the 17 <sup>th</sup> BOS meeting were reviewed and accepted.	<b><u>Against agenda no. 1</u></b> No specific area was mentioned.
<b><u>Agenda 2:</u></b> The detailed syllabus of 1 <sup>st</sup> semester M.Tech. in IT.	2. The detailed syllabus of 1 <sup>st</sup> semester M.Tech. in IT, recommended by AICTE, 2018, was placed in the BOS meeting by HOD, IT for discussion and it was approved by the board members with minor corrections.	<b><u>Against agenda no. 2</u></b> The detailed syllabus of 1 <sup>st</sup> semester M.Tech. in IT along with the course outcomes were uploaded to the college website before the commencement of the classes for the access of teachers and students.
<b><u>Agenda 3:</u></b> Selection of Elective subjects.	3. A detailed discussion was made regarding the selection procedure of Elective subjects.	<b><u>Against agenda no. 3</u></b> A detailed procedure of selection of elective subjects was circulated among the board members. Please see Annexure - I
<b><u>Agenda 4:</u></b> Approval of paper setter for B.Tech. and M.Tech. odd semester examination, 2021 under autonomous structure	4. Based on the discussions in the departmental. meeting a list of paper setters for ODD semester B.Tech.and M.Tech. examination, 2021 was placed in the BOS meeting by HOD of IT and it was unanimously approved by the board members.	<b><u>Against agenda no. 4</u></b> The recommended list of paper setters was involved in the odd semester B.Tech.and M.Tech. examination, 2021 .

<p><b><u>Agenda 5:</u></b> <b>Miscellaneous</b></p> <p>Suggestions regarding improvement of departmental academic activities for NAAC accreditation.</p>	<p><b>5 :</b> It was advised by the board members to continue the academic exercise for NAAC accreditation.</p>	<p><b><u>Against agenda no. 5</u></b> Faculty members are preparing course files etc. accordingly.</p>
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The meeting ended with the vote of thanks by the chairman to other members of the committee.

### Annexure - I

#### **Selection of Elective subjects**

Inclusion and offering of elective subjects in the course curriculum of IT department is a dynamic process. The last couple of decades have brought about a massive change in the IT landscape. It is changing rapidly as technology and globalization are transforming the way that professional works in the industry.

#### **Inclusion of Electives :**

Students of Information Technology build their careers in Software Development, Information Systems, Artificial Intelligence, Cloud Computing, E-Commerce, Networking, IT Security and Computational Analysis.

Keeping in mind the employability as well as option for higher education of the students we include the electives in the course curriculum through the following steps :

1. We take the feedback from employer for enhancing the professional employment in diverse fields.
2. We take the feedback from alumni of the department.
3. We discuss on the feedbacks thus received in the Departmental Committee (DC) meeting and
4. Finally it is discussed in the BOS meeting for approval.

**Year 2020 -21 :**

1. To enhance the scope in higher education we have included the elective : Computational Geometry in the 3<sup>rd</sup> year / 5<sup>th</sup> semester B.Tech. course.
2. On the basis of feedback of Employer we have changed two electives from 4<sup>th</sup> year / 8th semester to 3<sup>rd</sup> year / 6th semester B.Tech. course:

(a) Cryptography and Network Security and (b) Cyber law Security

**Year 2021 – 22 :**

1. On the basis of feedback of Employer, Alumni and faculty a few new electives have been included in the revised 4th year (7<sup>th</sup> & 8<sup>th</sup> semester) syllabus :

(a) Machine Learning, (b) MIS, (c) Big Data Analytics and (d) IOT

**Offering of Electives :**

Personal interests and preferences determine what electives are the best fit for individual students and they should select the electives that complement their engineering knowledge while making them more marketable for specific jobs.

We make a counselling session for the specific batch of students in a departmental meeting regarding their interest and depending on the availability of faculty we finalize the electives to be offered for that particular batch of students.