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❖ **Minutes and/or Resolutions of Board of Studies meetings held in the last five years for:**

- **Department of Information Technology**

Programme/s:
1. BSc Information Technology
2. MSc Bigdata Analytics

- **Summary**

Academic Year	Dates of BoS meetings	Revision in syllabus
2019 - 2020	07-03-20	✓
2018 - 2019	09-03-2019	✓
	20-04-2019	✓
2017 - 2018	24-03-2018	✓
2016 - 2017	04-03-2017	✓
2015 - 2016	19-03-2016	✓

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2019-2020

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St. Xavier's College-Autonomous, Mumbai

Subject Board in Information Technology

Minutes of the BOS meeting held on 07/03/2020

1.Mr. Roy Thomas

(Head, IT Dept , St. Xavier's college Mumbai)

2.Dr. Annapurna S

(Vice Principal , St Xavier's College Mumbai)

3.Dr. Paritosh Pandya

(Faculty ,TIFR)

4.Dr. Subodh Deolekar

(Asst. Prof .Usha Pravin Gandhi college)

5.Mr. Subhash Kumar

(Asst.Prof, St Xavier's College Mumbai)

6.Dr. Seema Shah

(In _charge B-Tech , NMIMS)

7. Mrs. Lydia Fernandes

(Asst.Prof, St Xavier's College Mumbai)

8.Ms. Rachana Pandey

(Asst.Prof St Xavier's College Mumbai)

9.Mr. Jerry Raphael

(Research Director -Kynetec)

10.Mr. Ashish Deora (Alumni , St Xavier's College Mumbai)

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The Board of studies meeting started with the reading of the minutes of the previous meeting. Prof. Roy Thomas presented the progress of the new program M. Sc(BDA) and placement status of the B. Sc(IT) course.

The Proposal for changing the course combination of the practical subjects ITS07PR1, ITS07PR2, ITS08PR1 and ITS08PR2 in M. Sc(BDA) syllabus and adding a new unit in computer graphics (SITS0201) subject of F.Y.IT was approved by the BOS members.

The proposal to start the entrance examination for the admission of M. Sc(BDA) is also approved by the BOS members.

The subject board of Information Technology, St. Xavier's College, Autonomous, Mumbai approved to increase the number of intake of M. Sc (Big data analytics) from 30 to 40. (This proposal was approved by the BOS members through email on June 8th,2020 and every one approved of the same

Action Taken Report

We have successfully incorporated and implemented the changes proposed by the BOS in the curriculum and University of Mumbai has given a special permission to increase 20 percent intake in the academic year 2021-22. We have conducted video proctored online entrance exam on 24th Aug,2020.

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2018-2019

Dates of BoS
1. 09-03-2019
2. 20-04-2019

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St .Xavier's College-Autonomous ,Mumbai

Subject Board in Information Technology

Attendance record for the meeting held on 09th March ,2019

Prof. Roy Thomas	
Prof. R. Srivaramangai	
Dr. Hiren Dand	
Prof. Subodh Deolekar	9/3/19
Prof . Subhash Kumar	
Prof. Seema Rahul	
Prof. Archana Bhide	
Prof. Lydia Fernandes	
Mr. Utkarsh Patkar	
Mrs. Ketaki Mehta	
Miss. Sonu Varghese	
Mr. James Barboza	

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Minutes of the BOS meeting held on 09th March ,2019

Members present:

1.Mr. Roy Thomas ----------

(Head, IT Dept , St.Xavier's college Mumbai)

2.Dr. R. Srivaramangai ----------

(Chairperson,BOS in IT, University of Mumbai)

3.Dr.Hiren Dand ----------

(Head, IT department, M.C.C college,Mulund)

4.Mr.Subodh Deolekar ----------

(Asst. Prof .Usha Pravin Gandhi college)

5.Mr. Subhash Kumar ----------

(Asst.Prof, IT department, St Xavier's College Mumbai)

6.Mrs. Seema Rahul ----------

(Head, IT department , Vikas college ,Vikhroli)

7.Mrs. Archana Bhide ----------

(Head,IT department, Jhunjhunwala college, Ghatkopar)

8.Ms. Lydia Fernandes ----------

(Asst.Prof St Xavier's College Mumbai)

9.Mr. UtkarshPatkar ----------

(Industry expert)

10.Mrs. Ketaki Mehta ----------

(industry expert)

1. The minutes of previous meeting was read by Prof. Roy Thomas.
2. Prof. SubodhDeolekarbeing a new member to the BOS as the VC nominee, was introduced to the curriculum with a birds eye view perspective given to him by Prof. Roy Thomas.

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3. Proposal for merging ERP and Ecom into Semester 5 as a single paper & introduction of Image processing & Deep learning as a new subject was put forth by Roy Thomas. Prof. subhash gave a detailed explanation of the introduction of deep learning & image processing as a subject. Also the justification to keep ERP & not eliminate it was provided to the BOS members.This proposal was very well appreciated and approved by the BOS members.
4. Proposal to conduct four CIA for project in semester VI has also been approved by the BOS.

Suggestions:

Mr.Utkarsh gave his feedback on the industry perspective of the need for students to:

- Differentiate when to use M/L, Deep learning etc
- The need for explaining the data models those come up. There is scarcity of people to explain these models.

Prof. Subodhsuggested that the significance of signal processing (Magenta) along with image processing.

Prof. Subodh further suggested that UNIT-1 should be dedicated only to signal processing.

Prof. Archana expressed her concern for commerce students, and suggested that we make room for transformations in Unit-1

Mr.James stated this own experience of the final year project saying that, Converting data for a model is challenging. Hence if students are taught right from the start of how to prepare the data, it would prove to be beneficial.

A discussion regarding starting a Diploma program in Big Data Analytics also held.

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St .Xavier's College-Autonomous ,Mumbai

Subject Board in Information Technology

Resolution

The subject board in Information Technology for St.Xaviers College, Autonomous, Mumbai , hereby approves the modification to the syllabi of the fifth and sixth semester courses, which will be implemented from the academic year 2019-20.

Prof. Roy Thomas	
Prof. R. Srivaramangai	
Dr. Hiren Dand	
Prof. Subodh Deolekar	7/3/19
Prof . Subhash Kumar	7/3/19
Prof. Seema Rahul	
Prof. Archana Bhide	
Prof. Lydia Fernandes	
Mr. Utkarsh Patkar	
Mrs. Ketaki Mehta	
Miss. Sonu Varghese	
Mr.James Barboza	

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St .Xavier's College-Autonomous ,Mumbai

Subject Board in Information Technology

Attendance record for the meeting held on 20th April ,2019

1.Mr. Roy Thomas ----------

(Head, IT Dept , St.Xavier's college Mumbai)

2.Dr. R. Srivaramangai ----------

(Chairperson,BOS in IT, University of Mumbai)

3.Dr.Hiren Dand ----------

(Head, IT department, M.C.C college, Mulund,

Member, BOS in IT, University of Mumbai)

4.Mr.Subodh Deolekar ----------

(Asst. Prof .Usha Pravin Gandhi college)

5.Mr. Subhash Kumar ----------

(Asst.Prof,IT department, St Xavier's College Mumbai)

6.Mrs. Seema Rahul ----------

(Head, IT department , Vikas college ,Vikhroli)

7.Mrs. Archana Bhide ----------

(Head,IT department, Jhunjhunwala college, Ghatkopar)

8.Ms. Lydia Fernandes ----------

(Asst.Prof St Xavier's College Mumbai)

9.Mr. UtkarshPatkar ----------

(Industry expert)

10.Mrs. Ketaki Mehta ----------

(industry expert)

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St .Xavier's College-Autonomous ,Mumbai

Subject Board in Information Technology

Resolution

The subject board in Information Technology for St.Xavier's College, Autonomous, Mumbai , hereby approves to start M.Sc(Big data analytics) and the syllabi of the first , second ,third and fourth semester courses of M.Sc (Big data analytics), which will be implemented from the academic year 2019-20.

1.Mr. Roy Thomas ----------
(Head, IT Dept , St.Xavier's college Mumbai)

2.Dr. R. Srivaramangai ----------
(Chairperson, BOS in IT, University of Mumbai)

3.Dr.Hiren Dand ----------
(Head, IT department, M.C.C college,Mulund ,
Member, BOS in IT, University of Mumbai)

4.Mr.Subodh Deolekar ----------
(Asst. Prof .Usha Pravin Gandhi college)

5.Mr. Subhash Kumar ----------
(Asst.Prof, IT department, St Xavier's College Mumbai)

6.Mrs. Seema Rahul ----------
(Head, IT department , Vikas college ,Vikhroli)

7.Mrs. Archana Bhide ----------
(Head,IT department, Jhunjhunwala college, Ghatkopar)

8.Ms. Lydia Fernandes ----------
(Asst.Prof St Xavier's College Mumbai)

9.Mr. UtkarshPatkar ----------
(Industry expert)

10.Mrs. Ketaki Mehta ----------
(industry expert

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2017-2018

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St. Xavier's College -Autonomous, Mumbai

Subject Board in Information Technology

Attendance record for the meeting held on 24th March, 2018

Prof. Roy Thomas.....

Prof. R.Srivaramanagi.....

Dr. Hiren Dand.....

Prof. Subhash Kumar.....

Prof. Seema Rahul.....

Mr.Utkarsh Patkar.....

Mrs.Ketaki Mehta.....

Prof. Archana Bhide.....

Prof.Lydia Fernandes.....

Mr. Joben Coutinho.....

Miss. Sanchika Menezes.....

Rachana Pandey

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Minutes of the BOS meeting held on 24th March ,2018

Members present

Prof. Roy Thomas	----------
Prof. R. Srivaramangai	----------
Dr.HirenDand	----------
Prof . Subhash Kumar	----------
Prof. Seema Rahul	----------
Prof. Archana Bhide	----------
Prof. Lydia Fernandes	----------
Mr. UtkarshPatkar	----------
Mrs. Ketaki Mehta	----------
Miss.Sanchika Menezes	----------
Mr.Joben Coutinho	----------

Prof Roy Thomas opened the meeting by reading out the minutes of the last BOS held in the previous year. Prof Roy Thomas proposed introduction of a new practical paper Big data visualization in Semester 6 using Tableau Software. This proposal was very well appreciated and approved by the BOS members.

Along with this there were few modifications to the existing syllabus which were presented to the board. The members present gave their inputs and approved the changes to the syllabus.

ITS0302 - accessibility standards as a topic was introduced to web designing unit, along with accessibility testing
ITS0303 – Data Base Management system is introduced

ITS0403 - accessibility standards as a topic was introduced to universal designing in the first unit, along with accessibility testing.

ITS0405-Statistical Techniques and Operation Research subject modified

ITS0601 - changes in a few topics and a new reference book was added to the cloud computing component.
ITS06PR: A new practical component called Big data visualization, was introduced in order to replace android practical in semester 6.

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Dr.Hiren Dand suggested that Kotlin could be taught as a language for mobile app development as the lines of code are much less.

Prof.Archana Bhide suggested the idea of a topic like cross platform development as a topic to be included in the theory.

Prof Archana Bhide proposed that mini projects as part of CIA 2, could be given in the subject of embedded systems so that embedded c programming could be covered, since students are already familiar with c-language in the first semester.

With regards to question papers, the BOS members appreciated the idea that B.Sc(IT) had it's on specific paper pattern, feedback was taken from the students who were part of the meeting.

Sanchika Menezes, stated that the introduction of a course like cloud computing and big data helped them gain knowledge into new concepts of IT

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St. Xavier's College -Autonomous, Mumbai

Subject Board in Information Technology

Resolution

The subject board in information technology for St. Xavier's college, Autonomous, Mumbai, hereby approves the modification to the syllabi of the third, fourth, fifth and sixth semester courses, which will be implemented from the academic year 2018-19.

Date : 24th March 2018 Place :Mumbai

Prof. Roy Thomas.....

Prof. R.Srivaramanagi.....

Dr. Hiren Dand.....

Prof. Subhash Kumar.....

Prof. Seema Rahul.....

Mr.Utkarsh Patkar.....

Mrs.Ketaki Mehta.....

Prof. Archana Bhide.....

Prof. Lydia Fernandes.....

Mr. Joben Coutinho.....

Miss. Sanchika Menezes.....

Rachana P

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2016-2017

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St. Xavier's College,Autonomous,Mumbai

Subject Board in Information Technology

Attendance Record for meeting held on

4th March, 2017

- Prof Roy Thomas 04/03/2017
- Prof R.Srivaramangai
- Prof.Hiren Dand
- Prof .Subhash Kumar
- Prof . Lydia Fernandes
- Prof Seema Rahul
- Prof Archana Bhide
- Mr.Utkarsh Patkar
- Mrs.Ketaki Mehta
- Mr.Vikas Rathore

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St. Xavier's College-Autonomous,Mumbai

Subject Board in Information Technology

Resolution

The subject board in Information Technology for St. Xavier's college,Autonomous, hereby approves the modifications to the syllabi of the first ,second ,fourth ,fifth and Six semester courses , which will be implemented from the academic year 2017-18.

Date :04th March ,2017 Place :Mumbai

Prof Roy Thomas

Prof R.Srivaramangai

Prof.Hiren Dand

Prof .Subhash Kumar

Prof . Lydia Fernandes

Prof Seema Rahul

Prof Archana Bhide

Mr.Utkarsh Patkar

Mrs.Ketaki Mehta

Mr.Vikas Rathore

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Minutes of the BOS meeting held on 4th March 2017.

Members present:

Prof.Roy Thomas

Dr. Hiren Dand

Prof. Subhash Kumar

Prof.Seema Rahul

Mrs.Ketaki Mehta

Prof.Archana Bhide

Prof.Lydia Fernandes

Mr. VikasRathore

Prof. Roy Thomas, opened the meeting by reading out the minutes of the last BOS held in the previous year.
Modifications made to specific semesters were presented in the meeting and members present gave their inputs and approved the changes to the syllabus.

Semester 1

Art of programming as a programming paper was introduced

Instead of two electronic papers, one single paper concentrating on the core concepts was introduced.

DCNS was brought forward to semester 1.
one single practical paper consisting of practicals in C language and digital electronics

Semester 2

C++ was brought forward from sem 1.

Descriptive statistics was introduced

Practicals of C++ were introduced from sem1.

Semester 4

Mobile application development was introduced in place of the multimedia paper.

Mobile application development practical component was introduced.

Semester 5

Network security and internet technology (sem 6) were combined as one single paper.

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Practical component for AI was introduced and C# with Asp.net were combined as one single paper.

Semester 6

Big data and cloud computing was introduced.

Mobile application development practicals was introduced.

Suggestions:

CIA 2 should be a project in the subject of mobile application development, in order to better understanding of the subject.

Combining NS and IT as a single paper and coveringIPV6 in semester 5, provided knowledge of certain essential protocols like IPV4 could get covered in semester 1

It would help students in their final year projects, if we could keep mobile practicals in semester 5 and shift Practicals of AI or NS-NT to Semester 6.

ERP as a subject should be continued as it would help students with their domain knowledge and serve as one of the tracks for them to take up as specialisation in post graduation or make a choice to join the respective industry incorporating such ERP related software.

Practical in AI is a positive development.

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St. Xavier's College, Autonomous

Subject Board in Information Technology

Attendance Record for meeting held on 19th March 2016

- Prof. (Dr.) Jyoti Singh
- Prof. R. Srivaramangai
- Prof. Roy Thomas
- Prof . Subhash Kumar
- Prof. Hiren Dand
- Prof. Shivaranjani Gudibanda
- Prof. Seema Rahul
- Mr. Utkarsh Patkar
- Mrs. Ketaki Mehta
- Prof. S. S. Dhure
- Prof . Archana Bhide
- Mr. Ankitkumar Gajra

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Minutes of meeting held at St.Xavier's college on 19th March,2016

Members present for the meeting:

1. Prof Roy Thomas
2. Prof.Hiren Dand
3. Prof.Shivaranjani Gudibanda
4. Prof Seema Rahul
5. Mr.Utkarsh Patkar
6. Mrs.Ketaki Mehta
7. Mr.Ankitkumar Gajra

Points of discussion:

The minutes of previous meeting held in April 2015 were read and approved. Prof. Jyoti Singh, introduced the new board members to the whole idea of autonomy and how the department is able to frame a syllabus which is relevant to the current industry needs, with the approval and valuable inputs of the BOS members.

Specialization:

A presentation was put forward by Prof. Roy Thomas, on the need for specialization in Information Technology at the under grad level. The key areas of specialization included, databases, networking, data science, etc.

It was suggested that instead of having different DataBase softwares at the FY and SY level, it would be best to stick to a single database software and gain expertise in it, at both levels.

Modifications were proposed to change a few courses of the fifth and sixth semester

Theory courses:

- Software Testing of semester 5 was swapped with Data Warehousing and Mining of Semester 6
- Modified the syllabus of Internet Technology.

Practical courses:

- Practicals of Data Warehousing and Mining were introduced in semester 5 in place of software testing practicals.
- Software Testing practicals were removed.
- Modified the practical list of Internet Technology.

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St. Xavier's College, Autonomous

Subject Board in Information Technology

Resolution

The Subject Board in Information Technology for St. Xavier's College, Autonomous, hereby approves the modifications to the syllabi of the fifth and sixth semester courses, which will be implemented from the Academic Year 2016-17.

Date: 19th March, 2016 Place: Mumbai

- Prof. (Dr.) Jyoti Singh
- Prof. R. Srivaramangai
- Prof. Roy Thomas
- Prof . Subhash Kumar
- Prof. Hiren Dand
- Prof. Shivaranjani Gudibanda
- Prof. Seema Rahul
- Mr. Utkarsh Patkar
- Mrs. Ketaki Mehta
- Prof. S.S .Dhure
- Prof .Archana Bhide
- Mr. Ankitkumar Gajra

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Subject Board in Information Technology

MODIFIED SYLLABI FOR BSC IT SEMESTER V and VI of 2016-17

- Prof. (Dr.) Jyoti Singh
- Prof. R. Srivaramangai
- Prof. Roy Thomas
- Prof . Subhash Kumar
- Prof. Hiren Dand
- Prof. Shivaranjani Gudibanda
- Prof. Seema Rahul
- Mr. Utkarsh Patkar
- Mrs. Ketaki Mehta
- Prof. S.S .Dhure
- Prof .Archana Bhide
- Mr. Ankitkumar Gajra

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