# Minutes of 16<sup>th</sup> Ordinary Meeting of Board of Studies in PG and Research Department of Computer Applications

Date : 8<sup>th</sup> November 2022

Time : 11.00 AM

Venue : Bosco Presentation Hall, John Med Block

Platform : G-Meet

#### **Members Present**

S.No	Name of the Member	Designation
1	Dr. A. George Louis Raja Head, PG and Research Department of Computer Application, Sacred Heart College (Autonomous), Tirupattur	Chair Person
2	Dr. J. Bagyamani Principal (FAC) Government Arts & Science College Pennagaram, Dharmapuri Dist. Ph: 94438 49453, Email: bagya.gac@gmail.com	University Nominee
3	Dr. A. Cecil Donald Assistant Professor Department of Computer Science CHRIST (Deemed to be University) Central Campus, Hosur Road, Bhavani Nagar, S.G. Palya, Bengaluru - 560029 Ph: 73059 13183, Email: cecildonald6@gmail.com	Subject Expert
4	Mr. S. Balaji Head- AI Solution Archtiect SCNXT AIML delivery Standard Charted GBS Haddows Road Chennai Ph: 9840977186 Email: balaji.selvarajan@sc.com	Industry Representative
5	Dr. Peter Jose P Assistant Professor Department of Computer Science Mount Caremel College (Autonomous),	Alumni Representative

	No. 58, Palace Rd, Abshot Layout, Vasanth Nagar Bengaluru – 560 077 Ph: 82209 08288, Email:	
*	peter.p@kristujayanti.com	
6	Dr. S. Sagayaraj	MCA Director
7	Mr. V. Thomas Immanuel	Member
8	Dr. A. John Martin	Member
9	Dr. K. Saravanapriya	Member
10	Dr. S. Anthony Philomen Raj	Member
11	Mr. R. Veeraragavan	Member

#### Agenda

- Invocation & Welcome
- Minutes of the 14<sup>th</sup> Board of Studies meeting held on 8<sup>th</sup> April 2022.
- Proposed Curriculum Structure for Post Graduate Diploma in Data Science.
- Proposed Curriculum Structure for Post Graduate Diploma in Cyber Security.
- · Vote of Thanks

### **Proceedings**

Dr. K. Saravarana Priya invoked God's presence and welcomed the members to the Board of Studies meeting. All board members were present for the meeting except Mr. Balaji, the industry representative, who expressed his inability to attend the meeting.

Dr. K. Saravapriya read out the minutes of the board of studies meeting held on 8<sup>th</sup> April 2022 and the same was approved and passed.

Dr. A. George Louis Raja, the chairperson briefed the initiative taken by the department to revise the curriculum structure of the P.G. Diploma in Data Science and P.G. Diploma in Cyber Security. He elaborated on the need for

ratifying the structure of the diploma courses. He also brought out the following challenges faced by the department in restructuring the curriculum structure of the PG Diploma programmes.

- Observed that the university/college offers the Data Science programme at undergraduate and postgraduate levels, not as a diploma programme.
- Noticed that there is no programme called Cyber Security at either the undergraduate level or postgraduate level, It is offered as a certificate course in online educational agencies.

Dr. A. George Louis Raja, the Chairperson briefed the proposed curriculum structure of the PG Diploma in Data Science and Cyber Security is prepared based on the local need and the literature made by the department He compared the existing structure with the proposed structure and emphasized that practical is introduced in the first semester and internship is introduced in the  $2^{nd}$  semester.

# The suggestion was given by the Board Members

 The board members suggested looking into the viability of including open-source tools for practical.

After detailed discussions, the Panel members accepted and approved the proposed structure of the PG Diploma in Data Science and Cyber Security and to continue with the existing syllabi of the MCA Programme.

# Following were the decisions made:

• The board permitted the ratification of the curriculum structure of the PG Diploma in Data Science and PG Diploma in Cyber Security for the students admitted from the academic 2023-2024.

 It was decided to prepare detailed syllabi for the courses based on the revised curriculum structure of the PG Diploma in Data Science and PG Diploma in Cyber Security.

# PROPOSED PROGRAM STRUCTURE FOR PG DIPLOMA IN DATA SCIENCE

Semester	Code	Title of the Subject	L	TCP	D	TAG	011	T	
			-	TCP	P	IM	SM	TM	CD
		Data Analytics using Python	4			50	50	100	4
		Foundation of Data Science	4			50	50	100	4
I		Multivariate Techniques for Data Analytics	4			50	50	100	4
		Computational Statistics using R/Data Science	5	1		50	50	100	5
		Data Analytics Lab			12	50	50	100	5
			17	1	12	250	250	500	22
		Data Science and Big Data Analytics	4			50	50	100	4
		Machine Learning for Data Science	5	1		50	50	100	5
II		Deep Learning	4			50	50	100	4
		Regression Analysis and Predictive Models / Probability Theory and Predictive Model	5	1		50	50	100	5
		Internship			10	50	50	100	5
			18	2	10	250	250	500	23
Total Credits 45									

# PROPOSED PROGRAM STRUCTURE FOR PG DIPLOMA IN CYBER SECURITY

Semester	Code	Title of the Cali	T -						
	Jouc	Title of the Subject	L	TCP	P	IM	SM	TM	CD
		Fundamentals of Information Security	4			50	50	100	4
I		Network Penetration Testing	4			50	50	100	4
		Web and Android Penetration Testing	4			50	50	100	4
		Security Strategies in	5	1		50	50	100	5

Total Credits							45	
	Total C I'v	18	2	10	250	250	500	23
	, , , , , , , , , , , , , , , , , , , ,	10		10	50	50	100	5
	Internship	5	1		50	50	100	5
	Ethical Hacking	4			50	50	100	4
II	Security  IOT Security		1		50	50	100	5
	Application Cyber	5	-1		50	50	100	4
	Digital Forensics	17	1	12	250	250	500	22
	Network Security Lab			12	50	50	100	5
	Operating Systems							T

The meeting concluded with words of appreciation by Dr. A. George Louis Raja.

# PG AND RESEARCH BOARD OF STUDIES IN COMPUTER APPLICATIONS Sacred Heart College (Autonomous), Tirupattur

Venue: GOOGLE MEET
Date: November 8<sup>th</sup> 2022
Time: Between 11.00 am - 01.00 pm.

## ACKNOWLEDGEMENT

S.No	Name and Address	Designation	Signature
1	Dr. A. George Louis Raja	Chairman	Ax
2	Dr. S. Sagayaraj	MCA Director	Cope Cope Cope Cope Cope Cope Cope Cope
3	Prof. V. Thomas Immanuel	Member	A. C
4	Dr. A. John Martin	Member	A. Booges 2
5	Dr. K. Saravanapriya	Member	and the second second
6	Dr. S. Anthony Philomen Raj	Member	SAIN
7	Prof. R. Veeraragavan	Member	

# Minutes of 17<sup>th</sup> Ordinary Meeting of Board of Studies in Department of Computer Applications (PG)

Date : 24<sup>th</sup> March 2023

Time : 10.30 AM

Venue : Bosco Presentation Hall, John Med Block

#### **Members Present**

S.No	Name of the Member	Designation
	Dr. A. George Louis Raja	
1	Head,	Chair Person
1	Department of Computer Application (PG),	Chair Person
	Sacred Heart College (Autonomous), Tirupattur	
	Dr. J. Bagyamani	
	Principal (FAC)	University
2	Government Arts & College	Nominee
	Pennagaram, Dharmapuri Dist.	Nominice .
	Ph: 94438 49453,	
	Email: bagya.gac@gmail.com	
	Dr. M. Duraisamy	
	Assistant Professor	
	Department of Computer Science	Subject Expert
3	Government Arts and Science College	Subject Expert
	Gejalnayakkanpatti, Tirupattur	
	Phone Number: 9843155358	*
	Email: duraimca78@gmail.com	
	Ms. Priyanga. G	
	Assistant Professor	
	Department of Computer Science & Applications	Alumni
5	Holy Cross Arts and Science College for Women,	Representative
	Tirupattur – 635 653	
	Ph: 75982 20361,	
	Email: gpriyangatpt@gmail.com	
6	Mr. V. Thomas Immanuel	Member
7	Dr. A. John Martin	Member
8	Dr. K. Saravanapriya	Member
9	Dr. S. Anthony Philomen Raj	Member
10	Mr. R. Veeraragavan	Member
11	Mr. Mohamed Zain - BP221045	Student
	4,	Representative

### Agenda

- Invocation & Welcome
- Minutes of the 16<sup>th</sup> Board of Studies meeting held on 8<sup>th</sup> November 2022.
- Review of the programme structure and the syllabi of MCA, PG
   Diploma in Data Science and PG Diploma in Cyber Security.
- Review of the proposed curriculum and the detailed syllabi of B.Sc. Data Science.
- Vote of Thanks

### **Proceedings**

Dr. A. John Martin placed the board members at the feet of the Lord and invoked God's presence and blessing for the meeting though a special little prayer. Dr. K. Saravanapriya welcomed the members to the Board of Studies meeting. All board members were present for the meeting except Mr. Balaji, the industry representative, who expressed his inability to attend the meeting. Dr. K. Saravapriya read out the minutes of the board of studies meeting held on 8<sup>th</sup> November 2022 and the same was approved and passed.

Dr. A. George Louis Raja, the chairperson briefed that the management is going to introduce a new programme called B.Sc. (Data Science) to meet the present demand from the industry and the local need of the students. He elaborated to the members that the curriculum was adopted from the university and fitted into common program structure of Sacred heart College (Autonomous), Tirupattur.

The chairperson presented the revised curriculum of MCA programme, PG Diploma in Data Science and PG Diploma in Cyber Security to the members and sought suggestion for the next revision. The board members accepted and approved to continue with the existing syllabus of MCA programme, PG Diploma in Data Science and Cyber Security.

He also presented the proposed curriculum of B.Sc. (Data Science) and invited the members to give suggestion. Since the curriculum was adopted from the university, there were suggestions from the board members and the same was approved and passed to be presented to the academic council for the approval.

## Following were the decisions made:

- The board permitted to continue with the existing syllabus of MCA programme, PG Diploma in Data Science and PG Diploma in Cyber Security.
- The board members approved the curriculum of B.Sc. Data Science for the students admitted from 2023-2024.

The meeting concluded with words of gratitude and appreciation by Dr. A. George Louis Raja.

## ACKNOWLEDGEMENT

S.N	Name of the Member	Signature
1 .	Application, Sacred Heart College(Autonomous), Tirupattur	A de la constant de l
2	Dr. J. Bagyamani Principal (FAC) Government Arts & College Pennagaram, Dharmapuri Dist.	minuly 24/03/23
3	Dr. M. Duraisamy Assistant Professor Department of Computer Science Government Arts and Science College Gejalnayakkanpatti, Tirupattur	M. 29/3/23
4	Ms. Priyanga. G Assistant Professor Department of Computer Science & Applications Holy Cross Arts and Science College for Women, Tirupattur – 635 653	4. 9. fani
6	Dr. S. Sagayaraj Director, PG Department of Computer Applications, Sacred Heart College(Autonomous), Tirupattur	Losse
7	Mr. V. Thomas Immanuel	And
8	Dr. A. John Martin	2. Bosogules
9	Dr. K. Saravanapriya	The state of the s
10	Dr. S. Anthony Philomen Raj	1- A 1 1 24/03/2013
11	Mr. R. Veeraragavan	3410×300
12	Mr. Mohamed Zain N	Mahmin.