Minutes of 16th Ordinary Meeting of Board of Studies in PG and Research Department of Computer Applications

Date	: 8th **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 14th Board of Studies meeting held on 8th 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 8th 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 2nd 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	P	IM	SM	TM	CD
I		Data Analytics using Python	4			50	50	100	4
		Foundation of Data Science	4			50	50	100	4
		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
II		Data Science and Big Data Analytics	4			50	50	100	4
		Machine Learning for Data Science	5	1		50	50	100	5
		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 Subject	L	TCP	P	IM	SM	TM	CD
I		Fundamentals of Information Security	4			50	50	100	4
		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

Sem		Subject							
		Operating Systems							
		Network Security Lab			12	50	50	100	5
			17	1	12	250	250	500	22
II		Digital Forensics	4			50	50	100	4
		Application Cyber Security	5	1		50	50	100	5
		IOT Security	4			50	50	100	4
		Ethical Hacking	5	1		50	50	100	5
		Internship			10	50	50	100	5
			18	2	10	250	250	500	23
Total Credits									45

The meeting concluded with words of appreciation by Dr. A. George Louis Raja.
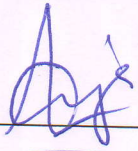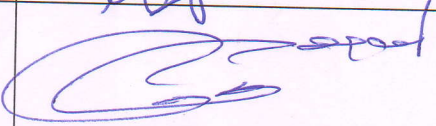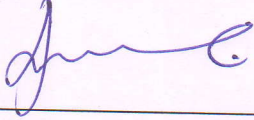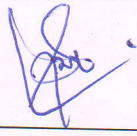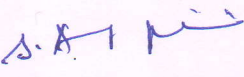
PG AND RESEARCH BOARD OF STUDIES IN COMPUTER APPLICATIONS
Sacred Heart College (Autonomous), Tirupattur

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

ACKNOWLEDGEMENT

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

Minutes of 17th Ordinary Meeting of
Board of Studies in Department of Computer Applications (PG)

Date   : **24th March 2023**

Time   : **10.30 AM**

Venue   : **Bosco Presentation Hall, John Med Block**

Members Present

S.No	Name of the Member	Designation
1	**Dr. A. George Louis Raja** Head, Department of Computer Application (PG), Sacred Heart College (Autonomous), Tirupattur	**Chair Person**
2	**Dr. J. Bagyamani** Principal (FAC) Government Arts & College Pennagaram, Dharmapuri Dist. Ph: 94438 49453, Email: bagya.gac@gmail.com	**University Nominee**
3	**Dr. M. Duraisamy** Assistant Professor Department of Computer Science Government Arts and Science College Gejalnayakkanpatti, Tirupattur Phone Number: 9843155358 Email: duraimca78@gmail.com	**Subject Expert**
5	**Ms. Priyanga. G** Assistant Professor Department of Computer Science & Applications Holy Cross Arts and Science College for Women, Tirupattur – 635 653 Ph: 75982 20361, Email: gpriyangatpt@gmail.com	**Alumni Representative**
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 Representative**

Agenda

- Invocation & Welcome
- Minutes of the 16th Board of Studies meeting held on 8th 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 8th 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.
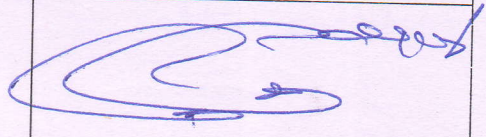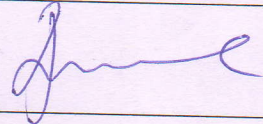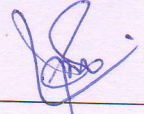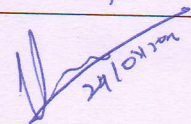
He also presented the proposed curriculum of B.Sc. (Data Science) and invited the members to give suggestion. Since the curriculum was adopted from the university, there were suggestions from the board members and the same was approved and passed to be presented to the academic council for the approval.

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.No	Name of the Member	Signature
1	**Dr. A. George Louis Raja** Head, PG and Research Department of Computer Application, Sacred Heart College(Autonomous), Tirupattur	
2	**Dr. J. Bagyamani** Principal (FAC) Science Government Arts & College Pennagaram, Dharmapuri Dist.	24/03/23
3	**Dr. M. Duraisamy** Assistant Professor Department of Computer Science Government Arts and Science College Gejalnayakkanpatti, Tirupattur	24/3/23
4	**Ms. Priyanga. G** Assistant Professor Department of Computer Science & Applications Holy Cross Arts and Science College for Women, Tirupattur – 635 653	24/3/2023
6	**Dr. S. Sagayaraj** Director, PG Department of Computer Applications, Sacred Heart College(Autonomous), Tirupattur	
7	Mr. V. Thomas Immanuel	
8	Dr. A. John Martin	
9	Dr. K. Saravanapriya	
10	Dr. S. Anthony Philomen Raj	24/03/2023
11	Mr. R. Veeraragavan	
12	Mr. Mohamed Zain N	