

Mahatma Education Society's
PILLAI COLLEGE OF ARTS, COMMERCE AND SCIENCE
(Autonomous)
(Affiliated to University of Mumbai)
New Panvel

NAAC Re-Accredited 'A' grade(3rd Cycle)
ISO 9001:2015

PCACS/CS/MINTS/2019-20/T2

Date:2nd May,2020

B.Sc. COMPUTER SCIENCE

Minutes of the 3rd BOS Meeting
Held on Saturday 25th April, 2020

Following members were present:

1. Mrs. Shubhangi Pawar	Chairperson
2. Mrs. Deepika Sharma	Member, Vice Principal
3. Mrs. Agnas Vidya Michael	Member
4. Mrs. Ramya S. Kumar	Member
5. Dr. Manoj Devare	Subject Expert
6. Dr. Prashant Lokhande	Subject Expert
7. Dr. Archana Chougule	Subject Expert
8. Dr. Mansi Subedar	Subject Expert
9. Dr. Amiya K. Tripathy	Vice Chancellor Nominee
10. Mr. Anant Baddi	Industry Expert

Meeting started at 6.00 pm through zoom meet under the chairmanship of Mrs. Shubhangi Pawar and Vice Principal Mrs. Deepika Sharma. The chairperson welcomed the members of the BOS. Mr. Swapnil Desai could not attend the meeting. Following deliberations were made as per the items of the circulated agenda.

Agenda 1: To finalize the autonomy syllabus for First year Sem-I and Sem-II subjects under the Department of Computer Science.

The Chairperson and Vice-Principal shared the syllabus of FYCS (Sem-I and Sem-II) subjects proposed for the academic year 2020-21.

Members suggested the following changes in the syllabus of subjects under the department of Computer Science:

In the subject "Problem solving and Programming" of Sem-I, Dr. Amiya suggested that more focus should be made on real-world already known concepts. The problems that will be discussed must be real-time and small problems. The subject has to be taken slowly.

Value-based courses are encouraged by all BOS members. It was also suggested to change the name of the subject “Discrete Statistics” and its name has been changed to “Descriptive Statistics & Introduction to probability”. All BOS members confirmed the syllabus and subjects of FYCS Sem-I and Sem-II including the elective subjects and Commerce-Computer related subjects. Following are the list of subjects of FYCS Sem-I and Sem-II including the elective subjects and Commerce-Computer related subjects confirmed by all BOS members:

Semester I								
Sr. No.	Subject	Paper	Marking Scheme	Credit	Summary of Changes made by BOS (Topics Added, topics removed etc)	Percentage of Change of Content	Course Outcomes	NAAC Criteria
PUSCS101	Programming using 'C'	Discipline Specific Core	B	2	Topic Added:Storage Classes.Topic Removed:No Change	5%	Programming using 'C'	
PUSCS102	Computer organization & Architecture	Discipline Specific Core	B	2	Completely New Course	100%	Computer organization & Architecture	1.2.1
PUSCS103	Descriptive Statistics & Introduction to probability	Discipline Related Core	B	2				
PUSCS104	Discrete Mathematics	Discipline Related Core	B	2				
PUSCS105	Professional Communication Skills	Ability Enhancement	C	2	Completely New Course	100%	Professional Communication Skills	1.2.1

PUSCS106	Problem solving and Programming	Skill Enhancement	C	2	Completely New Course	100%	Problem solving and Programming	1.2.1
PUSCS107	Value based	Skill Enhancement	C	2	Completely New Course	100%	Value Based	1.3.1 / 1.2.1
PUSCS101P	Programming using 'C' Practical	Discipline Specific Core	D	2			Programming using 'C'	
PUSCS102P	Computer organization & Architecture Practical	Discipline Specific Core	D	2	Completely New Course	100%	Computer Organization & Architecture	1.2.1
PUSCS103P	Descriptive Statistics & Introduction to probability Practicals	Discipline Related Core	D	2				
			Total Credits	20				

Semester II

Sr. No.	Subject	Paper	Marking Scheme	Credit	Summary of Changes made by BOS (Topics Added, topics removed etc)	Percentage of Change of Content		NAAC Criteria
PUSCS201	Python Programming	Discipline Specific Core	B	2	Topic Added: Regular Expressions, File handling, Visualization libraries, Graphics and GUI programming	20%	Python Programming	

PUSCS202	Statistical Methods and Testing of Hypothesis	Discipline Related Core	B	2				
PUSCS203	Computer Networks	Discipline Specific Core	B	2	Topic Added:Event Handling in Java Script,Introduction to Bootstrap.Topic Removed:No Change	20%	Web Programming	
PUSCS204	Calculus	Discipline Related Core	B	2				
PUSCS205	Soft Skills Development	Ability Enhancement	C	2	Topics Added:Mind map, Concept map, Meeting, Conference, Webinar, Podcasting, Career building Topics Removed: Unit 1 chapter-Communication Today	15%	Soft Skills Development	1.2.1
PUSCS206	Hardware & Network technology	Skill Enhancement	B	2	Completely New Course	100%		1.2.1
PUSCS206P	Hardware & Network technology(practical)	Skill Enhancement	D	2	Completely New Course	100%		1.2.1
PUSCS201P	Python Programming practical	Discipline Specific Core	D	2			Python Programming Practical	
PUSCS202P	Statistical Methods and Testing of Hypothesis Practical	Discipline Related Core	D	2				
PUSCS203P	Computer Networks Practical	Discipline Specific	D	2			Web Programming	

		Core					Practical	
			Total Credits	20				

Agenda 2: To finalize the subjects of SYCS and TYCS under the Department of Computer Science.

The Chairperson shared the subject names decided for SYCS(from the academic year 2021-22) and TYCS(from the academic year 2022-23) under the department of Computer Science. Networking and Data Science are the two tracks available for Computer Science students that will begin from Sem-III through Sem-VI. One of the tracks will be chosen by students in Sem-III and the subjects that follow the track will be assigned to students till Sem-VI.

Members suggested the following changes in the name of subjects decided for SYCS(from the academic year 2021-22) and TYCS(from the academic year 2022-23):

- Cyber Forensics was replaced with Mobile Communication and Computing
- Wireless Networks should come before Mobile Communication and Computing
- Project in Sem-V and sem-VI can be renamed as Project-A and Project-B.
- Project-B was suggested to be a continuation of Project-A. Project-A will include the architecture, Design, Literature Survey etc., whereas Project-B will include the implementation and results.

Following are the list of subjects of SYCS(from the academic year 2021-22) and TYCS(from the academic year 2022-23) including the subjects under both the tracks were approved by all the BOS Members.

Semester III

Sr. No.	Subject	Paper	Marking Scheme	Credit	Summary of Changes made by BOS (Topics Added, topics removed etc)	Percentage of Change of Content		NAAC Criteria
PUSCS301	Core Java	Discipline Specific Core	B	2				
PUSCS302	DBMS	Discipline Specific Core	B	2				
PUSCS303	Web Programming	Discipline Specific Core	B	2				
PUSCS304	Combinatorics and Graph Theory	Discipline Related Core	B	2				
PUSCS305	1. Network Security or 2. BI using Tableau	Skill Enhancement Elective	C	2	Completely New Course	100%		1.2.1
PUSCS306	Data Structure using Python	Skill Enhancement		2				
PUSCS301P	Core Java Practical	Discipline Specific Core	D	2				
PUSCS302P	DBMS Practical	Discipline Specific Core	D	2				
PUSCS303P	Web programming Practical	Discipline Specific Core	D	2				
PUSCS306P	Data Structure using Python Practical	Skill Enhancement		2				

			Total Credits	20				
Semester IV								
Sr. No.	Subject	Paper	Marking Scheme	Credit	Summary of Changes made by BOS (Topics Added, topics removed etc)	Percentage of Change of Content		NAAC Criteria
PUSCS401	Advanced Java	Discipline Specific Core	B	2				
PUSCS402	Operating Systems	Discipline Specific Core	B	2				
PUSCS403	Component based Software Engineering	Discipline Specific Core	B	2	gittools at local machines; push, pull, merge and branching tool	10%		
PUSCS404	Internet Of Things	Discipline Specific Core	B	2				
PUSCS405	Linear Algebra	Discipline Related Core	B	2				
PUSCS406	1. Wireless Networks or 2.Data Science	Skill Enhancement Elective		2	Completely New Course	100%		1.2.1
PUSCS401P	Advanced Java Practical	Discipline Specific Core	D	2				
PUSCS402P	Operating Systems Practical	Discipline Specific Core	D	2				
PUSCS404P	Internet Of Things Practical	Discipline Specific Core	D	2				

PUSCS406P	1. Wireless Networks or 2.Data Science(Practical for elective)	Skill Enhance ment Elective		2				
			Total	20				

Semester V

Sr. No.	Subject	Paper	Marking Scheme	Credit	Summary of Changes made by BOS (Topics Added, topics removed etc)	Percentage of Change of Content		NAAC Criteria
PUSCS501	1. Java Framework (Hibernate, Spring, Struts etc.) or 2. Android Programming	Disciplin e Specific Elective	B	2	Completely New Course	100%		1.2.1
PUSCS502	1. ASP .Net or 2.Web Services	Disciplin e Specific Elective	B	2				
PUSCS503	Game Programming	Skill Enhance ment		2	Topics such as Kubernetes, Dockers, Containers, Micro- services OR CI/CD Concepts	10%		
PUSCS504	1. Mobile Communication & Computing or 2. Information Retrieval	Skill Enhance ment Elective		2	Completely New Course	100%		1.2.1
PUSCS505	Project	Skill Enhance ment	D	4				
PUSCS501P	1. Java Framework (Hibernate, Spring, Struts etc.) Practical or	Disciplin e Specific Elective	D	2				

	2. Android Programming Practical							
PUSCS502P	1. ASP .Net Practical or 2. Web Services Practical	Discipline Specific Elective	D	2				
PUSCS503P	Game Programming Practical	Skill Enhancement		2				
PUSCS504P	1. Mobile Communication & Computing Practical or 2. Information Retrieval Practical	Skill Enhancement Elective		2				
			Total	20				

Semester VI

Sr. No.	Subject	Paper	Marking Scheme	Credit	Summary of Changes made by BOS (Topics Added, topics removed etc)	Percentage of Change of Content		NAAC Criteria
PUSCS601	1. Cyber Security or 2. Advanced Computer Networks	Discipline Specific Elective	B	2				
PUSCS602	1. Advanced Database Management Systems or 2. Next Generation Technologies	Discipline Specific Elective	B	2				
PUSCS603	Software Testing	Skill Enhancement		2				
PUSCS604	1. Cloud Computing or 2. Machine Learning	Skill Enhancement Elective		2	Completely New Course	100%		1.2.1
PUSCS605	Internship	Discipline Related	D	2				

PUSCS601P	1. Cyber Security Practical or 2. Advanced Computer Networks Practical	Discipline Specific Elective	D	2				
PUSCS602P	1. Advanced Database Management Systems Practical or 2. Next Generation Technologies Practical	Discipline Specific Elective	D	2				
PUSCS603P	Software Testing Practical	Skill Enhancement		2				
PUSCS604P	1. Cloud Computing Practical or 2. Machine Learning Practical	Skill Enhancement Elective		2				
PUSCS606P	Mini Project	Skill Enhancement		2				
			Total	20				
Total Credits 120								

Agenda 3: To get the Credit Structure Approved

The board was content with the credits assigned to the subjects. Slight changes in the credits assigned to the project was suggested.

The meeting ended with the Vote of thanks to all the members of BoS.