Centre for PG Studies and Research
ST PHILOMENA COLLEGE
Managed by the Catholic Board of Education,
Affiliated to Mangalore University | Re-Accredited by NAAC at 'A' Grade

M.Sc.
Mathematics

M.Sc.
Computer Science

MSW

M.Sc.
Physics

MA
Economics

M.COM

EXPLORE | ACHIEVE | SUCCEED
CALENDAR 2019-20

www.spcputtur.org |
pg@spcputtur.org |
08251 231640 |

FOUNDER

Msgr. Antony Patrao

Msgr. Antony Patrao was born on 10-12-1901 in Mangalore. He studied at St. Aloysius College, Mangalore. Later he joined St. Joseph's Seminary, Jeppu, Mangalore. He was ordained a priest on 03-12-1927. He was appointed the Parish Priest of Mai De Deus Church, Puttur on 08-10-1939. He became a household name in Puttur as he dedicated himself for the welfare of all the people. He was a great philanthropist and a visionary.

He founded in Puttur :
Mai De Deus Primary School
St. Victor Girl's High School
St. Philomena High School
St. Philomena College
St. Victor English Medium School
Fr Patrao Hospital

After leading a useful life dedicated wholly to the welfare of humankind, Msgr Patrao left for the Heavenly Abode on
14-05-1975 at the ripe age of 74 years.

May God grant him Eternal Rest

PERSONAL MEMO

Name : ……………………………………………………………

Class : ……………………………………………………………

Combination : ……………………………………………………………

Roll No. : ……………………………………………………………

Blood Group : ……………………………………………………………

Address for Communication :

……………………………………………………………………

……………………………………………………………………

……………………………………………………………………

……………………………………………………………………

Pin : ……………………………………………………………

Phone : ……………………………………………………………

Specimen Signature

Student   Father | Mother | Guardian   Class Mentor

CONTENT

PRAYER

Eternal Wisdom, deign to send a ray of your light to illumine our mind. Grant us an intellect capable of understanding, a memory capable of retaining and a speech capable of expressing. Above all, grant us the strength to do Your will now and always.

COLLEGE ANTHEM

We praise You and prostrate
Our Heavenly Teacher great
From darkness true to light
Lead us Lord day and night

We shall build human-kind
with selfless love and care
we shall build a new world
with service kind and rare

We shall help everyone
with sincere generous heart
we shall end oppression
with hope and commitment.

St Philomena College

Centre for PG Studies & Research

Philonagar, Darbe, Puttur - 574 202

THE INSTITUTION

St Philomena College was founded by Msgr Antony Patrao who felt that a College in this part of the state would save the people of the inconvenience of moving to distant places for higher education. He set out to realize his dream and the mission was accomplished in the year 1958 by establishing St Philomena College.

Since its inception, the College has been growing steadily. The quantitative growth has been supplemented by undiluted quality. The College has been imparting higher education to the youth drawn from far and wide. Students are enrolled without discrimination. Msgr Patrao tended the Institution with motherly care. His example was emulated by his successors. The College has earned a name by virtue of its disciplined functioning and its achievements in the academic field as well as in the field of sports and games. Based on its infrastructure, learning resources and achievements, the College has been re-accredited by NAAC at 'A' Grade.

VISION

To be a premier Institution for Higher Education, constantly in service to the society in the field of education and welfare.

MISSION

To educate and train the young knowledge seekers for their holistic development to make effective contribution to the society.

OBJECTIVES

- To provide opportunities for Higher Education to the young knowledge seekers.

- To prepare the students optimise the various social resources for sustainable growth and development.

- To sensitise the students about the social needs and problems.

- To provide guidance and support for the all-round development of personality of the students.

- To help the students accomplish their career opportunities.

MANAGEMENT

St. Philomena College is managed by the Catholic Board of Education (CBE) of the Diocese of Mangalore which is registered under the Societies Registration Act of 1860. Started in 1932, the CBE has under its care 10 Degree Colleges, 16 Pre-University Colleges, 60 High Schools, 167 Higher Primary Schools, 120 pre-primary schools, 1 Technical Institute and 1 Nursery Teachers Training School. His Excellency Most Rev. Dr. Peter Paul Saldanha, Bishop of Mangalore Diocese is the President of the CBE

GOVERNING BODY - CBE

President

1.	Most Rev. Dr. Peter Paul Saldanha Bishop of Mangalore	President
2.	Rev. Fr L. Maxim Noronha	Vice President
3.	Rev. Fr Antony Michael Shera	Secretary
4.	Rev. Fr Vijay Victor Lobo	Treasurer

5.	Rev. Fr Vincent Monteiro	Member
6.	Rev. Fr Valerian D'Souza	Member
7.	Rev. Fr Basil Vas	Member
8.	Rev. Fr John Vas	Member
9.	Rev. Dr Antony Prakash Monteiro	Member
10.	Rev. Fr Ferdinand Gonsalves	Member
11.	Rev. Fr George D'Souza	Member
12.	Mr. Marcel Monteiro	Member
13.	Mr. John Edward D'Silva	Member
14.	Dr. Precilla D'Souza	Member

LOCAL MANAGING COMMITTEE

1.	Most Rev. Dr. Peter Paul Saldanha Bishop of Mangalore	President
2.	Rev. Fr L. Maxim Noronha	Vice President
3.	Rev. Fr Antony Michael Shera	Secretary
4.	Very Rev. Fr. Alfred J. Pinto	Correspondent
5.	Mr. Leo Noronha	Principal
6.	Rev. Dr. Antony Prakash Monteiro	Campus Director
7.	Mr. Jacob Philip Rodrigues	Member
8.	Dr. Norbert Mascarenhas	Member
9.	Mr. Joe D'Mello	Member
10.	Mr. Joe D'Souza	Member
11.	Mr. John Cutinha	Member

POINTS TO REMEMBER

1   That University education is a rare privilege and it demands hard work, dedication and sincerity.

2   As a College student, you have a duty to maintain a high standard of conduct and behavior.

3   Be courteous and considerate to others and follow all the rules and regulations of the College.

4   Make good use of all the facilities provided by the College in the Library, Reading Room, Laboratories, Computer Center and on the Play ground.

5   Participate actively in all the programs of Clubs / Associations.

6   That Regular attendance is essential. Do not be absent for the class any day except for valid reasons. 75% attendance is compulsory.

7   Keep in touch with the day-to-day activities of the College. Look up the Notice Board every day.

8   Consult your teachers in case of difficulties or problems.

9   That it is your College. Treat College property with care.

10 Maintain peace and harmony in the College and Society.

TEACHING STAFF 2019-20

Prof. Leo Noronha, M.A, Principal
Rev. Dr Antony Prakash Monteiro, M.Sc, Ph.D,
Chairman for P.G. Studies

DEPARTMENT OF SOCIAL WORK

Mrs. Srimani, MSW, NET	Co-ordinator
Mrs. Prathibha K, MSW	Asst. Professor
Mr. Sheethal Kumar K V, MSW	Asst. Professor
Mr. Sachin Kumar, MSW, K-SET	Asst. Professor
Ms. Deepika M, MSW	Asst. Professor

DEPARTMENT OF COMMERCE

Fr. Rithesh Rodrigues, M.Com	Co-ordinator
Dr. Herbert Nazareth, M.Com, Ph.D	Visiting Professor
Mr. Yashavantha G Nayak, M.Com	Asst. Professor
Fr. George Sunil D'Souza, M.Com, MHRM, M.Phil, (Ph.D Registered)	Asst. Professor
Mr. Praveen, M.Com, NET	Asst. Professor

DEPARTMENT OF PHYSICS

Rev. Dr. Antony Prakash Monteiro, M.Sc, Ph.D	Chairman
Dr. A P Radhakrishna, M.Sc, Ph.D	Associate Professor
Dr. Emmanuel Deepak D'silva, M.Sc, Ph.D	Co-ordinator
Mr. Praveen Prakash D'souza, M.Sc. (Ph.D Registered)	Asst. Professor
Mr. Vipin Naik N S, M.Sc, K-SET, NET, (Ph.D Registered)	Asst. Professor
Mrs. Shridevi H, M.Sc.	Asst. Professor
Mrs. Ashwitha S, M.Sc	Asst. Professor
Ms. Savitha Monteiro A, M.Sc	Asst. Professor
Mr. Ashith V.K., M.Sc. (Ph.D Registered)	Asst. Professor

DEPARTMENT OF MATHEMATICS

Mr. Ganesh Bhat K., M.Sc, M.Phil	Co-ordinator
Dr. S Parameshwara Bhatta, M.Sc, Ph.D	Visiting Professor
Mrs. Vaishnavi C, M.Sc., K-SET	Asst. Professor

Ms. Anusha L, M.Sc., K-SET	Asst. Professor
Mr. Karthik K, M.Sc., K-SET	Asst. Professor
Mr. Mohan Raj S, M.Sc, TN-SET	Asst. Professor
Mr. Vrikshavardhana Hebbar N, M.Sc., K-SET	Asst. Professor

DEPARTMENT OF COMPUTER SCIENCE

Mr. Govinda Prakash, M.Sc, M.Tech.	Co-ordinator
Dr. Antony P J, B.E, M.Tech, Ph.D	Visiting Professor
Mrs. Akshatha B, M.Sc	Asst. Professor
Ms. Ramya S, M.Sc	Asst. Professor
Ms. Yashaswi K.S., M.Sc	Asst. Professor

DEPARTMENT OF ECONOMICS

Mr. Dinakar Rao, M.A	Co-Ordinator
Dr. B C Manjula, M.A, M.Phil, Ph.D	Visiting Professor
Mrs. Sandhya H, M.A, K-SET	Asst. Professor
Mr. Pradeepa K S, M.A, K-SET (Ph.D Registered)	Asst. Professor
Mrs. Mahitha Kumari M, M.A, K-SET (Ph.D Registered)	Asst. Professor

DEPARTMENT OF HINDI

Dr Dimple Jenifer Fernandis, MA, Ph.D	Co-Ordinator
Mr. Gopalakrishna Dongre, MA	Asst. Professor

LIBRARY

Mr. Manohara S G, M.L.I.Sc	Librarian
Mrs. Noothana Kumari M, M.L.I.Sc	Librarian

ADMINISTRATIVE STAFF

Mr. Sudeep Clitus Vas, M.Com	SDA
Mrs. Jane Candida Mathew, M.A	SDA

SUPPORT STAFF

Mr. Raj Kishore Rodrigues
Mrs. Nathalia
Mrs. Neelamma

**Committees for the Academic Year 2019-2020**
Sl. No.	**Name of the Committee**	**Members**
1	**Staff Secretary**	Mrs Vaishnavi C
2	**Examination**	Dr Emmanuel Deepak D'Silva (Convener) Fr George Sunil D'Souza Mr Sheethal Kumar K V Ms Deepika M
3	**Student Welfare Officers**	Mr Sheethal Kumar K V (Convener) Mrs Ashwitha S
4	**Alumni and Placement Officers**	Mr Vipin Naik N S (Convener) Mrs Mahitha Kumari M Mr Sachin Kumar
5	**UGC - NAAC Activities**	Mr Praveen Prakash D'Souza (Convener) Mr Pradeepa K S Ms Ramya S Mr Vrikshavardhana Hebbar N Mr Ashith V K Mr Praveen
6	**Anti-Ragging**	Mr Pradeepa K S (Convener) Mr Yashavantha G Nayak
7	**Women Empowerment Cell**	Mrs Srimani (Convener) Mrs Shridevi H.
8	**Anti Women Harassment Cell**	Mrs Mahitha Kumari M (Convener) Ms Anusha L
9	**Annual College Magazine**	Mrs Sandhya H (Convener) Mrs Prathibha K
10	**Cultural Activities/ Events**	Mrs Shridevi H (Convener) Ms Savitha Monteiro A
11	**Library Advisory Committee**	Fr Rithesh Rodrigues (Convener) Mr Praveen Prakash D'Souza Mr Manohara S G Mrs Noothana Kumari M
12	**Creative Commons/ Competitive exams/ NIRF**	Mr Vipin Naik N S (Convener) Mrs Sandhya H Mr Pradeepa K S Mr Mohan Raj S

Sl. No.	Name of the Committee	Members
13	Press and Publicity	Mrs Akshatha B (Convener) Mr Vrikshavardhana Hebbar Ms Yashaswi K S
14	Capability Enhancement and Development Schemes : Career Guidance & Counseling etc.	Fr George Sunil D'Souza (Convener) Mr Yashavantha G Nayak Ms Deepika M Mr Karthik K.
15	Konkanni Sangh	Fr George Sunil D'Souza (Convener) Ms Savitha Monteiro Mr Sudeep Clitus Vas
16	Research Expert Committee	Rev. Dr Antony Prakash Monteiro Dr A P Radhakrishna Dr Emmanuel Deepak D'Silva (Convener) Dr Chandrashekar K Dr Vijaya Kumar Moleyar Mr Vipin Naik N S Mrs Varija M Mrs Nancy Lavina Pinto Mr Madhusudana N Mr Yashavantha G Nayak
17	Feedback Analysis/ Website Maintenance Committee	Mrs Akshatha B (Convener) Ms Ramya S Mr Pradeepa K S Ms Yashaswi K S
18	Commerce Lab	Mr Yashavantha G Nayak (Convener) M.Com Class Representatives
19	Student Research Programmes / MOU's and Linkages/ Funding and Grants	Mr Vipin Naik N S (Convener) Mr Praveen Prakash D'Souza Mr Sachin Kumar Mr Mohan Raj S
20	Certificate Courses	Mr Pradeepa K S (Convener) PG Department Coordinators

Sl. No.	Name of the Committee	Members
21	**File Maintenance Committee**	Ms Revathi S (Convener) Ms Shashiprabha Mr Dhanya P T Mrs Nancy Lavina Pinto Mrs Rakshitha Mr Ramesha K Mrs Ashwitha S
22	**AQAR Committee**	Mr Praveen Prakash Dsouza (Convener) Mr Vipin Naik N S Mrs Deepthi Shetty Mr Madhusudhana
23	**Museum**	Mr Sachin Kumar M.S.W Students
24	**Mentors**	**I MSW** : Mr Sachin Kumar **II MSW** : Mrs Prathibha K **I M.Com** : Mr Yashavantha G Nayak **II M.Com** : Fr George Sunil D'Souza **I M.Sc. Physics** : Mr Vipin Naik N S **II M.Sc. Physics** : Mr Praveen Prakash D'Souza **I M.Sc. Mathematics** : Ms Anusha L **II M.Sc. Mathematics**: Mrs Vaishnavi C **I MA Economics** : Mrs Sandhya H **II MA Economics**: Mr Pradeepa K S **I M.Sc. Comp. Sci.** : Ms Ramya S **II M.Sc. Comp. Sci** : Mrs Akshatha B

		JULY - 2019
		* - Holiday
1	Mon	Commencement of Academic year
2	Tue	
3	Wed	
4	Thu	
5	Fri	
6	Sat	
7	**Sun**	
8	Mon	
9	Tue	
10	Wed	
11	Thu	
12	Fri	
13	Sat	
14	**Sun**	
15	Mon	Commencement of 1st & IIIrd Semester Classes
16	Tue	
17	Wed	
18	Thu	
19	Fri	
20	Sat	
21	**Sun**	
22	Mon	
23	Tue	
24	Wed	
25	Thu	
26	Fri	
27	Sat	
28	**Sun**	
29	Mon	
30	Tue	
31	Wed	

		AUGUST - 2019
1	Thu	
2	Fri	
3	Sat	
4	**Sun**	
5	Mon	
6	Tue	
7	Wed	
8	Thu	
9	Fri	
10	Sat	
11	**Sun**	* St Philomena Feast
12	Mon	* Bakrid
13	Tue	
14	Wed	
15	Thu	* Independence day
16	Fri	
17	Sat	
18	**Sun**	
19	Mon	
20	Tue	
21	Wed	
22	Thu	
23	Fri	
24	Sat	
25	**Sun**	
26	Mon	
27	Tue	
28	Wed	
29	Thu	
30	Fri	
31	Sat	

		SEPTEMBER - 2019 * - Holiday
1	**Sun**	
2	Mon	* Varasiddhi Vinayaka Vrata
3	Tue	
4	Wed	
5	Thu	
6	Fri	
7	Sat	
8	**Sun**	* Nativity of B.V. Mary
9	Mon	1st Internal Examinations
10	Tue	* Mohram
11	Wed	
12	Thu	
13	Fri	
14	Sat	
15	**Sun**	
16	Mon	
17	Tue	
18	Wed	
19	Thu	
20	Fri	
21	Sat	
22	**Sun**	
23	Mon	
24	Tue	
25	Wed	
26	Thu	
27	Fri	
28	Sat	* Mahalaya Amavasya
29	**Sun**	
30	Mon	

		OCTOBER - 2019
		* - Holiday
1	Tue	
2	Wed	* Gandhi Jayanti
3	Thu	
4	Fri	
5	Sat	
6	**Sun**	
7	Mon	* Ayudhapooja
8	Tue	* Vijaya Dashami
9	Wed	
10	Thu	
11	Fri	
12	Sat	
13	**Sun**	
14	Mon	
15	Tue	
16	Wed	
17	Thu	
18	Fri	
19	Sat	
20	**Sun**	
21	Mon	
22	Tue	
23	Wed	
24	Thu	
25	Fri	
26	Sat	
27	**Sun**	
28	Mon	
29	Tue	* Balipadyami, Deepavali
30	Wed	
31	Thu	

		NOVEMBER - 2019 * - Holiday
1	Fri	*Kannada Rajyotsava
2	Sat	
3	Sun	
4	Mon	2nd Internal Examinations
5	Tue	
6	Wed	
7	Thu	
8	Fri	
9	Sat	
10	Sun	
11	Mon	
12	Tue	
13	Wed	
14	Thu	
15	Fri	*Kanakadasa Jayanthi
16	Sat	End of 1st & IIIrd Semester Classes
17	Sun	
18	Mon	
19	Tue	
20	Wed	
21	Thu	
22	Fri	
23	Sat	
24	Sun	
25	Mon	Commencement of 1st & IIIrd Semester Exams
26	Tue	
27	Wed	
28	Thu	
29	Fri	
30	Sat	

DECEMBER - 2019

1	Sun	
2	Mon	
3	Tue	
4	Wed	
5	Thu	
6	Fri	
7	Sat	
8	Sun	
9	Mon	
10	Tue	
11	wed	
12	Thu	
13	Fri	
14	Sat	
15	Sun	
16	Mon	Commencement of IInd & IVth Semester Classes
17	Tue	
18	Wed	
19	Thu	
20	Fri	
21	Sat	
22	Sun	
23	Mon	
24	Tue	
25	Wed	*Christmas
26	Thu	
27	Fri	
28	Sat	
29	Sun	
30	Mon	
31	Tue	

JANUARY - 2020

1	Wed	
2	Thu	
3	Fri	
4	Sat	
5	Sun	
6	Mon	
7	Tue	
8	Wed	
9	Thu	
10	Fri	
11	Sat	
12	Sun	
13	Mon	
14	Tue	
15	Wed	
16	Thu	
17	Fri	
18	Sat	
19	Sun	
20	Mon	
21	Tue	
22	Wed	
23	Thu	
24	Fri	
25	Sat	
26	Sun	Republic Day
27	Mon	
28	Tue	
29	Wed	
30	Thu	
31	Fri	

FEBRUARY - 2020

1	Sat	
2	Sun	
3	Mon	
4	Tue	
5	Wed	
6	Thu	
7	Fri	
8	Sat	
9	Sun	
10	Mon	
11	Tue	
12	Wed	
13	Thu	
14	Fri	
15	Sat	
16	Sun	
17	Mon	1st Internal Examinations
18	Tue	
19	Wed	
20	Thu	
21	Fri	
22	Sat	
23	Sun	
24	Mon	
25	Tue	
26	Wed	
27	Thu	
28	Fri	
29	Sat	

		MARCH - 2020	* - Holiday
1	Sun		
2	Mon		
3	Tue		
4	Wed		
5	Thu		
6	Fri		
7	Sat		
8	Sun		
9	Mon		
10	Tue		
11	Wed		
12	Thu		
13	Fri		
14	Sat		
15	Sun		
16	Mon		
17	Tue		
18	Wed		
19	Thu		
20	Fri		
21	Sat		
22	Sun		
23	Mon		
24	Tue		
25	Wed		
26	Thu		
27	Fri		
28	Sat		
29	Sun		
30	Mon	IInd Internal Examinations	
31	Tue		

		APRIL - 2020	* - Holiday
1	Wed		
2	Thu		
3	Fri		
4	Sat		
5	Sun		
6	Mon		
7	Tue		
8	Wed		
9	Thu		
10	Fri		
11	Sat		
12	Sun		
13	Mon		
14	Tue		
15	Wed		
16	Thu		
17	Fri		
18	Sat	End of IInd & IVth Semester Classes (Except IV Sem M.Sc. CS)	
19	Sun		
20	Mon		
21	Tue		
22	Wed		
23	Thu		
24	Fri		
25	Sat		
26	Sun		
27	Mon	Commencement of IInd & IVth Semester Exams	
28	Tue		
29	Wed		
30	Thu		

MAY - 2020

1	Fri	* Workers Day
2	Sat	
3	Sun	
4	Mon	
5	Tue	
6	Wed	
7	Thu	
8	Fri	
9	Sat	
10	Sun	
11	Mon	
12	Tue	
13	Wed	
14	Thu	
15	Fri	
16	Sat	End of IVth Semester M.Sc. CS Classes
17	Sun	
18	Mon	
19	Tue	
20	Wed	
21	Thu	
22	Fri	
23	Sat	
24	Sun	
25	Mon	
26	Tue	
27	Wed	
28	Thu	
29	Fri	
30	Sat	
31	Sun	

GRADUATE   ATTRIBUTES

Knowledge is power, a tool for entitlement. Making students knowledgeable and skilled is the function of modern education. A skilled hand and a cultivated mind will help a student tread on a new territory, transcend the existing boundaries, fix new fences, start from one point and go anywhere, and be global. In this context graduate attributes come to the fore.

Graduate attributes are the qualities, skills and comprehension that students should develop as a result of their learning. These qualities distinguish them from individuals who have not studied at the degree level. Graduates offer added value to employer and society.

St Philomena's graduate attributes are a wide ranging set of qualities that students will develop towards graduation during their student term. Our graduates will demonstrate the following attributes

Attributes	Indicators
1. Deep domain knowledge The ability to present information in a highly coherent manner across different contexts	▪ In-depth and extensive knowledge, understanding and skills in their chosen discipline(s). ▪ A breadth of knowledge, understanding and skills beyond their chosen discipline(s). ▪ Participation in the creation of new knowledge and understanding through research and inquiry. ▪ Contextual understanding of past and present knowledge and ideas. ▪ Intellectual curiosity and a willingness to question accepted wisdom and to be open to new ideas.
2. Creative and Critical Thinking- The ability to analyze,	▪ Utilization of analytical thinking skills in different contexts. ▪ Employing problem solving skills to resolve issues.

assess, and utilize different thinking skills to determine the value of information and ideas	▪ Creative thinking to generate new ideas. ▪ use of critical thinking skills to formulate alternative approaches to learning. ▪ identification of problem, collection of evidence, synthesis and analysis.
3. Effective communication skills - The ability to present information in a coherent manner across different contexts	▪ proficient speaking and writing. ▪ effective communicate for different purposes and in different contexts. ▪ attentive exchange, informed argument and reasoning. ▪ working independently and as part of a team. ▪ transferable and generic skills. ▪ use of various information technology skills.
4. Interpersonal Skills - The ability to work effectively and productively as a member of a group	▪ interaction and collaboration with others. ▪ commitment and focus on group task. ▪ integrity and passion for individual and group work. ▪ acknowledging and appraising the contribution of others.
5. Ethical and Civic Responsibility - The ability to function as responsible individual with ethical values who is accountable to the local, national, and international community.	▪ awareness and appreciation of ethical and moral issues. ▪ understanding of social and civic responsibilities, and of the rights of individuals and groups. ▪ accepting common responsibility to preserve the environment and its surroundings.

6. Learning and personal development - The attitude of having a high regard for and commitment to learning and personality development	▪ openness to, life-long learning through directed and self-directed study. ▪ awareness of personal strengths and weaknesses. ▪ capacity for self reflection, self discovery and personal development. ▪ Actively seeking new learning opportunities.
7. Good citizenship - The ability to function as responsible citizens honoring tradition, culture, diversity and national values.	▪ striving for justice, equality, honesty, and integrity. ▪ striving for an inclusive society. ▪ awareness and appreciation of social and cultural diversity. ▪ active contribution to the development of society.
8. Global citizenship - The ability to function in an international context with a deep appreciation for diversity.	▪ greater appreciation for cultural and racial diversity. ▪ effective communication in cross-cultural contexts. ▪ thinking across national and international borders. ▪ functioning in a global environment. ▪ becoming more knowledgeable about international current issues.

LEARNING OUTCOMES

a. Institutional

On completion of Degree programmes, the students of St Philomena College will be able to:

- Demonstrate insight into issues in learning and teaching both in their own studies and when working with other learners.

- Possess general study skills, including the ability to learn independently using a variety of media.

- Demonstrate expertise and integration of ideas, methods, theory and practice in a specialized discipline of study.

- Demonstrate knowledge of diverse cultures, including global and historical perspectives.

- Communicate effectively using listening, speaking, reading and writing skills.

- Solve problems using critical and creative thinking and scientific reasoning.

- Carry out advanced tasks and projects independently or in collaboration.

- Critically and independently assess and evaluate research methods and results.

- Prove the research experience with in a specified field.

- Use technologies effectively.

- Create strategies that can be used to fulfill personal, civic, and social responsibilities.

- Describe how natural systems function and recognize the impact of humans on the environment.

- Have good time-management and organisational skills.

- Work collaboratively as members and leaders of diverse teams and communities.

- Demonstrate skills for life-long learning.

- Find gainful employment in industry or government.

b. Programme-wise

MSW

Objectives

- To obtain knowledge from the humanities and social sciences that informs social work.

- To become aware of how society has developed and is organized.

- To increase students' knowledge and understanding of social welfare in the Indian and global context.

- To expand students' understanding of the historical development of social work and of social work practice.

- To introduce students to the social inequality and oppression.

- To gain an understanding of the socioeconomic, political, psychological, and cultural forces that impinges upon people's lives.

- To prepare students for professional social work practice.

- To enhance students' development, intellectual inquisitiveness, creative problem-solving skills, reflective practices, and use of a range of research methods.

- To facilitate students' development of purposeful use of skills within a wide range of social work roles and methods of intervention necessary for the elimination of social inequality and obstacles to social functioning.

- To strengthen students' understanding of, and commitment to, social work purposes, values, ideals, beliefs, and identity; particularly to understand it from an anti-oppressive framework.

- To communicate effectively and to understand inter-disciplinary expressions.

- To train with practical approach using modern technology.

Learning Outcomes
Students on completion of MSW programme will be able to :

- Understand the value base of the profession, its ethical standards, principles, and practice
- Understand the forms and mechanisms of oppression and discrimination and apply strategies of social change for social and economic justice
- Use theoretical frameworks supported by empirical evidence to understand individual development and behavior across the life span and the interactions among individuals and between individuals, families, groups, organizations, and communities.
- Apply the knowledge and skills of generalist social work practice with systems.
- Apply critical thinking skills within the context of professional social work practice.
- Analyze, formulate, and influence social policies
- Evaluate research studies, apply research findings to practice, and evaluate their own practice interventions
- Use communication skills differentially across client populations, colleagues, and communities
- Use supervision and consultation appropriate to social work practice
- Function within the structure of organizations and service delivery systems and seek necessary organizational change
- Use opportunities for continuing professional education to enhance their professional development
- Communicate effectively by presenting complex information in a clear and concise manner orally, on paper and using ICT.
- Demonstrate information technology skills, especially in the areas of information retrieval, literature searching and library databases.
- Acquire knowledge, skills and attitude to become more suitable for employment in NGOs, government and industry.

M.Com

Objectives

- To provide the students with adequate knowledge of business environment, accounting methods, financial education and market structure.
- To help understand methods and processes of commerce with a global perspective.
- To develop skills aimed at the pursuit of knowledge of commercial sciences
- To equip the students with knowledge, skills and attitude to become more suitable for the present and emerging employment market.
- To train them in the application of knowledge in business and industrial enterprises
- To impart intensive knowledge and training required for research and for professional application.
- To enable them to acquire practical knowledge of commerce so as to promote self and industry employment
- To train with practical approach using modern technology in the field of commerce and business.

Learning Outcomes

The successful student of M.Com has reliably demonstrated the ability to :

- Acquire strong subject-matter expertise in finance, financial instruments and markets
- Identify, analyze and solve business problems
- Analyse commerce / business issues in the international context
- Apply basic mathematical and statistical skills necessary for analysis of a range of problems in accounting, marketing, management and finance
- Use critical reasoning to evaluate information
- Make use of quantitative skills necessary for analysis and critical reasoning

- Express ideas clearly and logically in oral and written formats
- Master a body of knowledge in one area of specialization within the discipline of Commerce
- Communicate effectively and to understand inter-disciplinary expressions
- Use opportunities for continuing professional education to enhance their professional development
- Demonstrate skills for life-long learning
- Develop advanced theoretical knowledge and research capabilities in the preparation for academic and research focused careers
- Understand and use information technology tools, techniques and resources
- Communicate effectively by presenting complex information in a clear and concise manner orally, on paper and using ICT.
- Demonstrate information technology skills, especially in the areas of information retrieval, literature searching and library databases.
- Acquire knowledge, skills and attitude to become more suitable for self employment and the emerging employment market.

M.Sc. - Physics
Objectives
- To impart substantial knowledge in physics.
- To understand the historical development of physics, its possibilities and limitations, and understand the value of lifelong learning.
- To expose the students to advanced theoretical and/or experimental methods, including the use of numerical methods and simulations.
- To combine and use knowledge from across the disciplines.
- To expose the students to an international perspective on specialized areas in physics.

- To provide students the ability to hone the mathematical skills necessary to approach problems in advanced physics courses.
- To train in analyzing and solving advanced problems in physics.
- To expose to new problem areas that require an analytic and innovative approach.
- To train the students carry out advanced tasks and projects, both independently and in collaboration.
- To help the students acquire research experience within a specific field of physics.
- To assess critically and independently research methods and results.

Learning Outcomes

The successful student of M.Sc. – Physics will have the ability to :

- Demonstrate substantial knowledge in physics, basic knowledge in mathematics and knowledge in supported fields like computer science.
- Show advanced knowledge in some areas in physics.
- Apply advanced theoretical and/or experimental methods, including the use of numerical methods and simulations.
- Combine and use knowledge from several disciplines.
- Disseminate subject matter and results to both specialists and a broader audience.
- Know the historical development of physics, its possibilities and limitations, and understand the value of lifelong learning.
- Understand the role of physics in society and has the background to consider ethical problems.
- Gather, assess, and make use of new information.
- Acquire an international perspective on specialized areas in physics.
- Communicate effectively and to understand inter-disciplinary expressions

- Develop and renew scientific competence independently
- Enter new problem areas that require an analytic and innovative approach.
- Successfully carry out advanced tasks and projects, both independently and in collaboration with others, and also across disciplines.
- Demonstrate background and experience required to model, analyse, and solve advanced problems in physics.
- Impart intensive knowledge and training required for research and for professional application.
- Prove research experience within a specific field of physics, through a supervised project.
- Critically and independently assess and evaluate research methods and results.
- Use opportunities for continuing professional education to enhance professional development
- Communicate effectively by presenting complex information in a clear and concise manner orally, on paper and using ICT.
- Demonstrate information technology skills, especially in the areas of information retrieval, literature searching and library databases.
- Acquire knowledge, skills and attitude to become more suitable for employment.

M.Sc. – Computer Science

Objectives

- To provide a sound academic base in Computer Science
- To make students acquainted with computer systems and software
- To expose the students to computer programming languages
- To familiarize different computer application tools & platforms

- To prepare the students for IT profession.
- To enhance students' development, intellectual inquisitiveness, creative problem-solving skills, reflective practices, and use of a range of research methods.

Learning Outcomes

The successful student of M.Sc. – Comp. Sc. has reliably demonstrated the ability to :

- Operate computer systems of different types independently.
- Use different computer applications independently.
- Implement business logic into algorithms and algorithms into code.
- Write computer programs using programming languages and development environments.
- Analyze requirements for the development of a software product.
- Manage data using database management tools
- Organize files and backup / recover data using utilities.
- Troubleshoot and manage computer hardware and software resources.
- Use supervision and consultation appropriate to IT sector.
- Use opportunities for continuing professional education to enhance their professional development.
- Communicate effectively and to understand inter-disciplinary expressions
- Demonstrate information technology skills, especially in the areas of information retrieval, literature searching and library databases.
- Acquire knowledge, skills and attitude to become more suitable for self employment and the emerging employment market.
- Use opportunities for continuing professional education to enhance professional development.

- Communicate effectively by presenting complex information in a clear and concise manner orally, on paper and using ICT.
- Demonstrate information technology skills, especially in the areas of information retrieval, literature searching and library databases.
- Acquire knowledge, skills and attitude to become more suitable for employment.

M.Sc. – Mathematics
Objectives

- To understand the evolution of modern mathematics.
- To impart advanced knowledge in mathematics.
- To expose to new problem areas that require an analytic and innovative approach.
- To train in analyzing and solving advanced problems in mathematics.
- To expose the students to an international perspective on specialized areas in mathematics.
- To help the students acquire research experience within a specific field of mathematics.
- To train the students carry out advanced tasks and projects, both independently and in collaboration.
- To assess critically and independently research methods and results.

Learning Outcomes
The successful student of M.Sc. – Mathematics will have the ability to :

- Demonstrate substantial knowledge in mathematics and knowledge in supported fields like computer science.
- Know the historical development of mathematics, its application, and understand the value of lifelong learning.
- Gather, assess, and make use of new information.

- Acquire an international perspective on specialized areas in mathematics.
- Show advanced knowledge in specialized areas in mathematics.
- Demonstrate background and experience required to model, analyse, and solve advanced problems in mathematics.
- Understand the role of mathematics in society encompassing diverse fields
- Enter new problem areas that require an analytic and innovative approach.
- Disseminate subject matter and results to both specialists and a broader audience.
- Successfully carry out advanced tasks and projects, both independently and in collaboration with others.
- Impart intensive knowledge and training required for research and for professional application.
- Prove research experience within a specific field of mathematics, through a supervised project.
- Critically and independently assess and evaluate research methods and results.
- Communicate effectively and to understand inter-disciplinary expressions
- Use opportunities for continuing professional education to enhance professional development
- Communicate effectively by presenting complex information in a clear and concise manner orally, on paper and using ICT.
- Demonstrate information technology skills, especially in the areas of information retrieval, literature searching and library databases.
- Acquire knowledge, skills and attitude to become more suitable for employment.

M.A. – Economics

Objectives

- To use the micro model of market demand and supply to predict changes in price and output.
- To use macroeconomic models to explain the changes in output, employment, inflation, and growth.
- To describe the function of key economic institutions.
- To demonstrate mastery of an applied field of knowledge within the discipline of economics.
- To formulate researchable economics questions in an independent manner and to analyze information through the application of social science research methodologies.
- To develop research projects and contribute to research activities of a team.
- To disseminate results in a clear and coherent manner to other researchers, employers, coworkers, and to the general public.

Learning Outcomes

The successful student of M.A. – Economics will demonstrate the ability to :

- Understand fundamental economic principles and be able to apply these ideas to analyze public policies, business practices, and real-world events.
- Understand at an advanced level about the complex economics mechanism that characterize modern society.
- Analyse how markets for goods and services function and how income is generated and distributed.
- Analyze a problem and draw correct inferences using qualitative and/or quantitative analysis.
- Use microeconomic tools and concepts to address public policy issues such as competition, environmental protection, financial regulation, innovation and intellectual property, labor law, or taxation.

- Give insight into energy economics, competition policy, industrial economics, financial markets, environmental and resource economics, development economics and international trade and globalization
- Use of econometric and mathematical methods
- Apply mathematical methods, through modeling and large-scale data analysis.
- Identify compile, interpret, and analyze quantitative economic data by expressing relationships between concepts through graphs, statistical or econometric analysis.
- Understand basic econometric modeling techniques.
- Develop and estimate economic models, test economic hypothesis, and perform basic forecasting tasks.
- Undertake applied work and research projects in economics
- Communicate effectively by presenting complex information in a clear and concise manner orally, on paper and using ICT.
- Demonstrate information technology skills, especially in the areas of information retrieval, literature searching and library databases.
- Acquire knowledge, skills and attitude to become more suitable for self employment and the emerging employment market.

UNIVERSITY GUIDELINES

The Salient Features of the Choice Based Credit System (CBCS) (Semester Scheme):

Each course in a programme shall carry certain number of credits, which normally represent the weightage of a course and are a function of teaching, learning and evaluation strategies such as number of contact hours, the course content, teaching methodology, learning expectations, etc. In the proposed programmes, the credits shall be based on the number of instructional hours per week, generally 1 credit is equivalent to one hour of instruction in theory, or 1 or 2 hours of tutorial, or one and a half or two hours of practical/field work/project work/ internship per week.

COURSE PATTERN

1. Each postgraduate programme will comprise "core" and "elective" courses. The "Core course" will further consist of "hard" and "soft" core courses. Hard core courses can have 3-5 credits. Soft core courses can have 3-4 credits. Practical (Hard core or Soft core) can have 2-5 credits. Open Electives have 3 credits each. Total credit of the programme is between 84 to 92 including open electives.

2. Core Course is related to the discipline of the programme. This is further divided into Hard Core and Soft Core. Hard core courses are compulsorily studied by a student as a core requirement to complete the requirement of a programme in a said discipline of study. Soft Core courses are elective but related to the discipline of the programme. The number of hard core courses are as many as may be offered by a Department. The B.O.S. will prepare a list of soft core papers in such a way that there will be enough alternatives for the soft core courses offered in the programme. These soft core courses can be offered in any

semester. However, given the limitations that departments and University may face, B.O.S. may take a decision to indicate which of the offered soft core paper it is actually going to teach in each semester, every year. The B.O.S. will prepare Open Elective courses that will be chosen by students of other programmes.

3. Out of the total of 84 to 92 credits of the programme, the hard core will make up 50%-65% of the total credits, soft core 30%-45% while the open electives will have a fixed 6 credits (3 credits x 2 courses). A student has to take minimum of 18 credits and maximum of 26 credits in any semester.

4. A credit is a unit by which the course work is measured. It determines the number of hours of instructions required per week. One credit is equivalent to (i) one hour of teaching per week, (ii) two or one hour per week of tutorial, and (iii) two hours or one and half hours of practical work/field work per week. (iv) Open electives may have 3 to 4 hours of instruction for 3 credits. Exact hours per credit is stipulated by the Board of Studies (BOS) depending on intensity and effectiveness of practical and tutorial.

5. All courses need not carry the same weight (credit). The courses should define learning objectives and learning outcomes. A course may be designed to comprise lectures/ tutorials/ laboratory work/ field work/ outreach activities/ project work/ vocational training.

6. In the case of subjects with practical there shall be minimum of 16 credits of practical in the programme.

7. A Project Work is taken up in the third semester or at the beginning of the fourth semester. However, credit for the project work is counted for the fourth semester only. A project work can either be a semester-project or a

course project. A semester project is carried out in lieu of all the courses of the fourth semester and is equivalent to the total credits of that semester. A courseproject is equivalent to a course and carries the credit specified by the B.O.S. Project work is compulsory in the faculty of science and education but is optional in the faculties of arts and commerce. In departments where the course-project is not offered, a soft-core paper may be offered instead. The nature, the quantity and the duration of the Project work need to be defined by the Board of Studies.

8. A student can take the courses offered by a department in any semester, provided they are offered by the department in that particular semester and with the permission from the University well in advance. However, certain courses have one or more courses as prerequisites as prescribed by the Board of Studies and such courses can be taken only after studying those prerequisite courses. Open electives are taken in 2nd and 3rd semesters from among the list of courses offered.

9. The performance of a student in a course is graded and the "grade" is an index of the performance of that student. The overall performance of a student over the whole programme is expressed as Cumulative Grade Point Average (CGPA).

10. The CGPA of a programme shall be declared on the basis of the total credits that a student secures in hard and soft core courses including project work if any and the credits of the open electives shall not be considered in declaring the CGPA. However, a student has to compulsorily take one open elective each in the second and the third semesters (two open elective courses in all) and secure a minimum of 6 credits in the open elective courses to qualify to pass the programme.

11. The grade card is not a statement of Marks. However, the printed CGPA card issued by the university shall declare a formula to convert the CGPA to an overall percentage.

12. Boards of Studies shall exercise care in framing open elective courses and see that these courses are not general introduction to an area of study. The open electives offered by the departments will maintain the level and standards of other postgraduate courses offered by them. Care must also be exercised to see that open elective courses will not repeat undergraduate syllabi.

13. A student may take extra courses over and above the prescribed number in a programme. However, the credits so earned in excess shall not be considered in the declaration of the CGPA.

14. A student can earn credits in soft core courses by doing them in a department other than the one to which he is admitted, provided that such courses are considered as relevant to his discipline by the Board of Studies and provided, further, that the Councils of the departments concerned approve it.

15. Two or more open electives may be offered in the second and third semesters by every department.

DURATION :

The duration of Master Degree Programmes shall extend over 4 semesters each of a minimum of 16 weeks (90 actual working days) of instruction and 2 to 3 weeks for preparation and examination.

MAXIMUM PERIOD FOR COMPLETION OF THE PROGRAMME:

The candidate shall complete the Master Degree programme within four years from the date of admission to the programme.

ATTENDANCE :

Each course (theory, practical etc.) shall be treated as an independent unit for the purpose of attendance. A student shall attend a minimum of 75% of the total instruction hours in a course including tutorials and seminars in each semester. There shall be no provision for condonation of shortage of attendance and a student who fails to secure 75% attendance in a course shall be required to repeat that semester.

THE SCHEME OF EXAMINATION:

There shall be examinations at the end of each semester ordinarily during November/ December for odd semesters and during May/June for even semesters. Each course shall be evaluated with 30% of marks shall be for continuous internal assessment and 70% of the marks for the end-semester examinations

INTERNAL ASSESSMENT :

Marks for internal assessment shall be awarded on the basis of seminars, field work, tests, assignments etc. as determined by the Board of Studies in the respective subject. The internal assessment marks shall be notified on the department/ college notice board for information of the students and it shall be communicated to the Registrar (Evaluation) before the commencement of the University examinations, and the Registrar (Evaluation) shall have access to the records of such internal assessment evaluations.

COMPUTATION OF GRADE POINT AVERAGE (GPA):

The grade points (GP) in a course shall be assigned on the basis of actual marks scored (end Semester examination and I.A.) in that course as per the table given below they have secured a minimum of 35% marks in the end Semester examination. The candidate securing less than 35% marks in the end Semester examination in any unit/ theory/ practicals/ project work/ dissertation/ internship/ seminar shall be declared to have failed in that unit/ theory/ practicals.

Table 1: Grades and Grade Points

Grade	Limits*			Grade point
OO+	95	-	100	10
OO	90	-	94	9.5
OA+	85	-	89	9
OA	80	-	84	8.5
AA+	75	-	79	8
AA	70	-	74	7.5
AB+	65	-	69	7
AB	60	-	64	6.5
BB+	55	-	59	6
BB	50	-	54	5.5
BC	45	-	49	5
CC	40	-	44	4.5
PP	35	-	39	4
FF	0	-	34	0

* Limits are considered after converting the marks out of 100 in that course.

MINIMUM FOR A PASS:

1. A candidate shall be declared to have passed the PG program if he/she secures at least a CGPA of 4.0 (Course Alpha-Sign Grade C) in the aggregate of both internal assessment and semester end examination marks.

2. The candidates who pass all the semester examinations in the first attempts in two years are eligible for ranks provided they secure at least a CGPA of 6.0 (at least Alpha-Sign Grade A).

3   The results of the candidates who have passed the fourth semester examination but not passed the lower semester examinations shall be declared as NCL (Not Completed Lower semester examinations). Such candidates shall be eligible for the degree only after completion of all the lower semester examinations.

4   A candidate who passes the semester examinations in parts is eligible for only CGPA and Alpha-Sign Grade but not for ranking.

5   There shall be no minimum in respect of internal assessment and viva-voce marks.

6   A Candidate who fails in any of the unit/project work/Project Report/ dissertation shall reappear in that unit/project work/ Project Report/ dissertation and pass the examination subsequently.

CARRY OVER PROVISION:

Candidates who fail in a lower semester examinations may go to the higher semesters and take the examinations.

COURSES OFFERED:

In addition to six Under-Graduate programmes, the College offers the following Post-Graduate Programmes for the academic year 2019-20.

- Master of Social Work (M.S.W.)
- Master of Commerce (M.Com.)
- M.Sc. (Physics)
- M.Sc. (Mathematics)
- M.Sc. (Computer Science)
- M.A. (Economics)
- M.A. (Hindi)

The details of the courses are outlined below.

MASTER OF SOCIAL WORK (MSW)

I SEMESTER

1	Hard Core	SWH401	Social Work Profession-History and Ideologies
2	Hard Core	SWH402	Working with Individuals and Families
3	Hard Core	SWH403	Working with Groups
4	Soft Core	SWS404	Dynamics of Human Behaviour **OR**
		SWS405	Personal and Professional Development for Social Work Practice
5	Hard Core	SWH406	Social Work Practicum I (Orientation Visits and Concurrent Fieldwork)

II SEMESTER

1	Hard Core	SWH451	Social Policy and Welfare Administration
2	Hard Core	SWH452	Community Organization and Social Action
3	Hard Core	SWH453	Social Work Research and Statistics
4	Soft Core	SWS454	Industrial Psychology **OR**
		SWS455	Social Work with families
5	Open Elective	SWE456	Contemporary Social Work Perspectives and Concerns **OR**
		SWE457	Development of Communication Skills and Professionalism
6	Hard Core	SWH458	Social Work Practicum II (Concurrent Fieldwork and Social Work Camp)

III SEMESTER

1	Hardcore	SWH501	Project Planning and Management
Specializations I: Community Development (CD)			
2	Softcore	SWS502	Rural & Tribal Community Development
		SWS505	Management of Non-profit Organizations for Sustainable Development
Specializations II: Medical & Psychiatric Social Work (MPSW)			
3	Softcore	SWS503	Medical Social Work
		SWS506	Perspectives of Psychiatric Social Work
Specializations III: Human Resource Management			
4	Softcore	SWS504	Management Concepts and Practices
		SWS507	Human Resource Management and Development
5	Softcore	SWS508	Correctional Social Work **OR**
		SWS509	Human Resource Training and Development
6	Open Elective	SWE510	Disaster Management **OR**
		SWE511	Understanding Marginalities
7	Hardcore	SWH512	Social Work Practicum III (Concurrent Fieldwork and Study Tour)

IV SEMESTER

| 1 | Softcore | SWS551 | Communication Skills for Social Work Practice |
| | | SWS552 | **OR** Juvenile Justice System in India |

Specializations I : **Community Development (CD)**

| 2 | Softcore | SWS553 | Urban Community Development |
| | | SWS556 | Citizen Participation & Local Self Governance |

Specializations II : **Medical & Psychiatric Social Work (MPSW)**

| 3 | Softcore | SWS554 | Social Medicine and Medical Social Work |
| | | SWS557 | Therapeutic Counseling |

Specializations III : **Human Resource Management**

4	Softcore	SWS555	Labour Welfare & Industrial Relations
		SWS558	Labour Legislation
5	Project Work	SWP559	Research Project
6	Hardcore	SWH560	Social Work Practicum IV (Concurrent Fieldwork and Block Placement)

MASTER OF COMMERCE (M.Com)

I SEMESTER

1	Soft Core	CMS401	Management Theory and Practice
2	Soft Core	CMS402	Business Economics
3	Soft Core	CMS403	Innovation in Business
4	Hard Core	CMH404	Business Statistics
5	Hard Core	CMH405	Management Science
6	Hard Core	CMH406	Advanced Financial Accounting

II SEMESTER

1	Open Elective	CME451	Personality Development
2	Soft Core	CMS452	Entrepreneurship Development
3	Soft Core	CMS453	Strategic Marketing Management
4	Soft Core	CMS454	Business, Industry and Commerce
5	Hard Core	CMH455	Business Research Methods
6	Hard Core	CMH456	International Business
7	Hard Core	CMH457	Advanced Cost Accounting

III SEMESTER

1	Open Elective	CME501	Personal Savings and Investment Management
2	Hardcore	CMH502	Artificial and Business Intelligence
3	Hardcore	CMH503	Business Ethics and CSR
4	Hardcore	CMH504	E-Commerce

Optional Stream-1:

Financial Management & Investment Science (FMAIS)

5	Softcore	CMS505	Advanced IFRS & Practice
6	Softcore	CMS506	Capital Market Operations

Optional Stream-2:

Human Resource Development and Management (HRDAM)

7	Softcore	CMS507	Human Resource Development
8	Softcore	CMS508	Strategic Human Resource Management

IV SEMESTER

1	Softcore	CMS551	Retail Management
2	Softcore	CMS552	Dissertation
3	Hardcore	CMH553	Risk and Insurance Management
4	Hardcore	CMH554	International Financial Management

Optional Stream - 1:

Financial Management & Investment Science (FMAIS)

5	Softcore	CMS555	Financial Derivative Markets
6	Softcore	CMS556	Portfolio Management

Optional Stream - 2:

Human Resource Development and Management (HRDAM)

7	Softcore	CMS557	Organizational Behavior
8	Softcore	CMS558	Labour Legislation

M.Sc PHYSICS

I SEMESTER

1	Hard Core	PHH401	Methods of Mathematical Physics · I
2	Hard Core	PHH402	Quantum Mechanics I
3	Hard Core	PHH403	Classical Mechanics
4	Hard Core	PHH404	Electrodynamics
5	Soft Core	PHP405	Physics Practicals I (General)
6	Soft Core	PHP406	Physics Practicals II (General)

II SEMESTER

1	Hard Core	PHH451	Mathematical Physics II
2	Hard Core	PHH452	Quantum Mechanics II
3	Hard Core	PHH453	Nuclear and Radiation Physics
4	Hard Core	PHH454	Condensed Matter Physics and Electronics
5	Open Elective	PHE455	Energy Studies
6	Soft Core	PHP456	Physics Practicals III (General)
7	Soft Core	PHP457	Physics Practicals IV (Electronics)

III SEMESTER

1	Hardcore	PHH 501	Atomic and Molecular Physics
2	Hardcore	PHH 502	Thermodynamics and Statistical Physics
3	Softcore	PHS 503	Condensed Matter Physics I
4	Softcore	PHS 504	Electronics I
5	Softcore	PHS 505	Nuclear Physics I
6	Softcore	PHS 506	Condensed Matter Physics II
7	Softcore	PHS 507	Electronics II
8	Softcore	PHS 508	Nuclear Physics II
9	Open Elective	PHE 509	Radiation Sources and Hazards
10	Softcore	PHP 510	Condensed Matter Physics Practicals I
11	Softcore	PHP 511	Electronics - Practicals I
12	Softcore	PHP 512	Nuclear Physics - Practicals I
13	Softcore	PHP 513	Condensed Matter Physics Practicals II
14	Softcore	PHP 514	Electronics - Practicals II
15	Softcore	PHP 515	Nuclear Physics - Practicals II

IV SEMESTER

1	Hardcore	PHH 551	Lasers, Vacuum Techniques and Cryogenics
2	Hardcore	PHH 552	Astrophysics & Relativity
3	Softcore	PHS 553	Condensed Matter Physics III
4	Softcore	PHS 554	Electronics III
5	Softcore	PHS 555	Nuclear Physics III
6	Softcore	PHS 556	Condensed Matter Physics IV
7	Softcore	PHS 557	Electronics IV
8	Softcore	PHS 558	Nuclear Physics IV
9	Hardcore	PHP 559	Project Work

M.Sc. MATHEMATICS

I SEMESTER

1	Hard Core	MTH401	Algebra - I
2	Hard Core	MTH402	Linear Algebra - I
3	Hard Core	MTH403	Real Analysis - I
4	Soft Core	MTS404	Numerical Analysis
5	Soft Core	MTS405	Number Theory
6	Soft Core	MTL406	Lab - I

II SEMESTER

1	Open Elective	MTE451	Discrete Mathematics and Applications
2	Hard Core	MTH452	Algebra - II
3	Hard Core	MTH453	Real Analyis - II
4	Hard Core	MTH454	Topology
5	Soft Core	MTS455	Linear Algebra - III
6	Soft Core	MTS456	Ordinary Differential Equations
7	Soft Core	MTL457	Lab - 2

III SEMESTIR

1	Open Effective	MTE 501	Differential Equations and Applications
2	Hardcore	MTH 502	Complex Analysis I
3	Hardcore	MTH 503	Measure and Integration
4	Hardcore	MTH 504	Multivariate Calculus and Geometry
5	Softcore	MTS 505	Advanced Numerical Analysis
6	Softcore	MTS 506	Commutative Algebra
7	Softcore	MTS 507	Graph Theory
8	Softcore	MTS 508	Lattice Theory
9	Softcore	MTS 509	Fluid Mechanics
10	Softcore	MTS 510	Theory of Partitions
11	Softcore	MTL 511	Lab - 3

IV SEMESTER

1	Project	MTP 551	Project Work
2	Hardcore	MTH 552	Complex Analysis - II
3	Hardcore	MTH 553	Functional Analysis
4	Softcore	MTS 554	Partial Differential Equations
5	Softcore	MTS 555	Advanced Topology
6	Softcore	MTS 556	Advanced Discrete Mathematics
7	Softcore	MTS 557	Algebraic Number Theory
8	Softcore	MTS 558	Calculus of Variations and Integral Equations
9	Softcore	MTS 559	Mathematical Statistics

M.Sc COMPUTER SOENCE

I SEMESTER

1	Hard Core	CSH401	Foundations of Computer Science
2	Hard Core	CSH402	Algorithmics
3	Hard Core	CSH403	Data Communications & Computer Networks
4	Hard Core	CSH404	Embedded Systems
5	Soft Core	CSS405	JAVA Technology
6	Soft Core	CSP406	Algorithmics Lab
7	Soft Core	CSP407	Java Programming Lab

II SEMESTER

1	Hard Core	CSH451	Advanced Operating System
2	Hard Core	CSH452	Internet of Things
3	Hard Core	CSH453	Advanced Database Management Systems
4	Soft Core	CSS454	Data Science
s	Soft Core	CSS455	Mobile & Wireless Communications
6	Soft Core	CSS456	Machine Learning
7	Soft Core	CSS457	Natural Language Processing
8	Soft Core	CSS458	Object-Oriented Data Modeling Using UML
9	Soft Core	CSP459	Operating System Lab
10	SoftCore	CSP460	Data Science Lab
11	SoftCore	CSP461	Machine Learning Lab
12	Soft Core	CSP462	DBMS Lab
13	SoftCore	CSP463	Natural Language Processing Lab
14	SoftCore	CSP464	Internet of Things Lab
	Open	CSE465	Web Technologies
16	Elective	CSE466	Linux Environment Systems

III SEMESTER

1	Hardcore	CSH501	.(dot)NET Technology
2	Hardcore	CSH502	Computer Graphics and Multimedia
3	Hardcore	CSH503	Software Engineering
4	Softcore	CSS504	Information Retrieval
5	Softcore	CSS505	Big Data Analysis
6	Softcore	CSS506	Android Applications
7	Softcore	CSS507	Digital Image Processing
8	Softcore	CSS508	Cloud Computing
9	Softcore	CSP509	.(dot)NET Programming Lab
10	Softcore	CSP510	Big Data Analytics Lab
11	Softcore	CSP511	Android Applications Lab
12	Softcore	CSP512	Computer Graphics Lab
13	Softcore	CSP513	Image Processing Lab
14	Softcore	CSP514	Cloud Computing Lab
15	Open Elective	CSE515	Open Source Technologies
16	Open Elective	CSE516	Mobile E-Commerce

IV SEMESTER

1	Hardcore	CSP551	Project Work Viva Voce

M.A. ECONOMICS

I SEMESTER

1	Hard Core	EC401	Micro Economic Analysis I
2	Hard Core	EC402	Macro Economic Analysis I
3	Hard Core	EC403	Economics of Growth and Development I
4	Hard Core	EC404	Quantitative Methods in Economic Analysis
5	Soft Core	EC405	A) Agricultural Economics
	(Electives)		B) Industrial Economics
			C) Population Studies

II SEMESTER

1	Hard Core	EC451	Micro Economic Analysis II
2	Hard Core	EC452	Macro Economic Analysis II
3	Hard Core	EC453	Economics of Growth and Development II
4	Soft Core	EC454	A) Rural Development
	Electives		B) Urban Economics
			C) Statistical Techniques for Economics Analysis
5	Open Elective	EC455	Indian Economy: Policies & Programmes

III SEMESTER

1	Hardcore	EC501	Public Economics I
2	Hardcore	EC502	Econometrics I
3	Softcore	EC503	Electives: A. Development issues of Indian Economy B. Environmental Economics C. Health Economics D. Research Methodology
4	Open Elective	EC504	India in Global Economy

IV SEMESTER

1	Hardcore	EC551	International Economics
2	Hardcore	EC552	Econometrics II
3	Hardcore	EC553	Project
4	Softcore	EC554	Electives: A. Economics of Insurance B. Financial Economics C. Managerial Economics D. Economics of Infrastructure

RULES & REGULATIONS

GENERAL:

- The college is open to all the students with requisite qualification for admission without distinction of caste or creed.

- **Class Hours:** 9-30 a.m. to 4-30 p.m., However, classes may commence earlier than 9.30 a.m. and go beyond 4.30 p.m., if the situation demands.

- Students who arrive late to the Class can enter only if permitted by the Authority. Those who depend on public conveyance should start early so as to reach the College in time.

- The Morning and the Afternoon sessions begin with an invocation.

- Attendance will be marked for each Hour allotted to a Subject. Students are required to put in not less than 75% Attendance in individual Subjects.

- Attendance is compulsory on the College re-opening day.

- Students should compulsorily appear for the Tests and Term Examinations.

- Students are required to participate in the National Day/ Festival Programmes organized by the College.

- All the students are required to participate in the activities and functions conducted by various Associations / Clubs of the College.

- Students are advised to make use of the library facilities whenever they do not have classes.

- Students are advised not to bring large amount of cash or other valuable items to College. They have to take care of their belongings.

- No student shall leave the class without Lecturer's permission.
- Leave Applications countersigned by Parents / Guardian should be forwarded to the coordinator.
- If a student is absent due to sickness, Medical Certificate should be produced.
- Leave record which is appended to the Calendar should be signed by the Class Advisor.
- If a student cannot appear for the Internal Examinations / Class Tests on health grounds (no other reasons are entertained) the matter should be reported by his/her Parent/Guardian to the Principal in advance.
- Ragging in any form is strictly prohibited on the campus/ in hostel. Those who indulge in ragging or encourage it will be dismissed summarily from the college.

DISCIPLINE :

- Students are required to conduct themselves well. The College reserves the right to dismiss any student if his/her behaviour tarnishes the image of the College.
- Students are not permitted to celebrate any religious festivals in the College Campus without the prior permission of the Principal.
- Loitering about the Campus should be avoided.
- **Use of Cell phones by the students in the Campus is banned. Cell Phones, if found with the students will be confiscated**.
- Students have to be polite when they deal with the members of the staff.
- Irregularity in attendance, insubordination, discourtesy to Staff Members, habitual inattention and late coming, neglect of work, obscenity in word or act will attract disciplinary actions such as fine, suspension and dismissal.

- **Students should not enter into an altercation with the Lecturers in the Class Room. Disobedience during the class hours will be seriously dealt with.**
- Willful damage caused to the College property will be recovered from the students.
- The College will not be responsible for the conduct of the students outside its premises. However, it will take note of the offence and action will be initiated according to the nature and magnitude of the offence.
- **Students should not raise funds, organize functions, convene meetings without the permission from the Principal.**
- Students are not supposed to play or listen to music using Cell Phones or any other electronic devices on the College Campus. The devices if used will be confiscated.
- **Use of tobacco, alcohol or any other intoxicants is banned in the premises**.
- Students who do not live with their parents or local guardians have to get accommodation in the College Hostels
- **Booing, whistling or producing animal sounds in the Lecture Hall or in the College Premises is forbidden**.
- Disfiguring the walls and furniture will attract disciplinary action.
- Books, Magazines, Newspapers etc., not approved by the Principal are not allowed to be brought to the College.
- Those students who come to the College by Two Wheelers should have a valid Driving License. To avoid noise pollution and disturbance, the Vehicles should be fitted with Silencers. Students should park their vehicles only in the place allotted. Bringing Four Wheelers by the students is prohibited. The College does not provide parking slot for Four Wheelers of the students.

- Educational tours / Industry visit / Field visits are to be organized with the prior permission of the Principal. For all such programmes written permission of the parents is required.

- Attendance at Classes and Examinations, progress, as well as the conduct will be taken into consideration while recommending students for concessions, scholarships, jobs as well as for representing the College in extra curricular activities.

- After class hours no student is expected to remain on the Campus unless there is a program or sports / games practice.

COLLEGE LIBRARY

There is a departmental library for PG students exclusively. However, students can seek permission and do reference work at the main/central library of the College. The main library has a large volume of books and periodicals that needs to be referred for the PG Course.

The rules and regulations of the Library are formulated to ensure uniformity in meeting the demands of the readers. It is the genuine co-operation, sincere appreciation of the library services and adherence to the rules and regulations by readers that can really help the successful functioning of the library.

Library Rules and Regulations

Issue of Library Books

Faculty Members, Research Scholars, Students of Post-Graduate Departments and Administrative Staff of the College are members of the library. Each member is issued with a membership card and borrowers tickets as per their eligibility given below.

Faculty	15+01
Research Scholar	03+01
Post Graduate Student	03+01
Office Staff	02+01

Library Provides Open Access System: System used in the library is open access. Students/Staff can go directly to the racks and select the book of their choice.

Lending service:

Students

1. Each student is issued with four Borrower's Cards and a Membership Card.

2. For the career guidance books, only the Borrower's card with yellow colour is preferred.

3. Books issued for home reading must be returned within 15 days. Due date is found on the due date label pasted on the book.

4. The book once borrowed may be renewed on production of the book at the counter, before the expiry of the due date. However renewal requests will not the honored if that particular book is demanded by other students.

Staff

1. Each Staff is issued with Fifteen Borrower's Cards and a Membership Cards

2. For the career guidance books, only the Borrower's card with yellow colour is preferred.

3. Books issued for home reading must be returned within 30 days. Due date is found on the due date label pasted on the book.

Outside Members:

Those outsiders such as alumni/staff/ other than regular members who are willing to borrow books from P.G library are requested to get permission letter from chairman.

General Rules and Regulations

- Strict silence must be observed in the library at all times.
- Students are prohibited from carrying edible items to the library.
- Library membership is compulsory for all the students and Staff.
- Library cards are not transferable.
- Students have to swipe the ID card for Movement Register purpose whenever they visit the library.
- While entering the library, students/staff should produce their Identity Card. They are not allowed to bring their own books inside the library except a note Book.
- Reference books, thesis and project reports and periodicals/ bound journals are not home issued.
- Students should not keep money or any valuable things in their bags kept at property counter.

- Students shall be held responsible for any damage done to the books while in their possession. Students are advised to check the books issued to them in the library. If any damage is found, the same should be brought to the notice of the Librarian. Complaints about the book will not be entertained at the time of returning books.

- Rs. 100.00 will be charged for duplicate card in case of loss or damage of Library card

- For loss of Library book the member has to pay the price of the book plus fine.

- Students must behave well in the library and must not damage library property or disturb other readers.

- A member who fails to return the book within the due date shall pay Rs 3 per day as overdue charge.

- The book once borrowed may be renewed on production of the book at the counter, before the expiry of the due date. However renewal request will not be honored if that book is demanded by other members.

- Students should return library books and surrender their library cards to the library and obtain No Due Certificate before receiving admission tickets for the examinations.

- Mobile phones are not allowed inside the library.

- Eating and sleeping are not allowed in the Library.

Rules and Regulations of Digital Library

- Identity card must be presented and deposited before using the digital library facility.

- Strict silence must be observed in the Digital library at all times.

- CD/DVDs should not to be taken outside the Library.

- Changing the settings and display of the Computers kept in the Digital Library are not allowed.

- Recreational Activity like Playing games, Online Chatting and Accessing Social Networking sites are Prohibited.

- Browsing of Dating, Networking of friendship and porn website is strictly prohibited. Strict disciplinary action will be taken against the defaulters.

- Downloading, Installing and running of software other than those already installed on the computer station not allowed.

- Illegal / Unlawful activities such as hacking, deleting of files, Changing/ Tweaking of system configuration /passwords resulting damage of system and network are prohibited.

LEAVE   RECORD

Signature

Date	PERIOD							Reason	Parent/ Guardian	Class Mentor	Principal
	I	II	III	IV	V	VI	VII				
Signature of Subject Teacher											
Signature of Subject Teacher											
Signature of Subject Teacher											
Signature of Subject Teacher											
Signature of Subject Teacher											

LEAVE RECORD

Signature

Date	PERIOD							Reason	Parent/ Guardian	Class Mentor	Principal
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LEAVE RECORD

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Signature of Subject Teacher											
Signature of Subject Teacher											
Signature of Subject Teacher											
Signature of Subject Teacher											

NOTE

NOTE

TIME TABLE 2019-20

Class : .... Room No : .... Class Mentor ....

Days	I 9.30 - 10.30	II 10.30 - 11.30	III 11.40 - 12.30		IV 1.30 - 2.30	V 2.30 - 3.30	VI 3.30 - 4.30
MONDAY							
TUESDAY				LUNCH BREAK			
WEDNESDAY							
THURSDAY							
FRIDAY							
SATURDAY							

Certificate of Accreditation

The Executive Committee of the
National Assessment and Accreditation Council
on the recommendation of the duly appointed
Peer Team is pleased to declare the
St. Philomena College
Philonagar, Puttur, Dist. Dakshina Kannada,
affiliated to Mangalore University, Karnataka as
Accredited
with CGPA of 3.19 on four point scale
at A grade
valid up to May 24, 2021

Date : May 25, 2016

Director

EC(SC)/15/A&A/14.3

HIGHER EDUCATION FOR PERSONAL & PROFESSIONAL EXCELLENCE

CENTRE FOR POST GRADUATE STUDIES & RESEARCH

ST. PHILOMENA COLLEGE PUTTUR

Telephones (STD Code) : 08251

Correspondent	: 234570 / 230570
Principal	: 236460
PG Centre	: 231640
Campus Director	: 298840
College Office	: 230340
Hostel for Men	: 230540
Hostel for Women	: 236450
Fax	: 234640

Philonagar, Darbe - 574202, PUTTUR, D.K. District, Karnataka