

## **Abraham Panampara Research Centre (APRC)**

An imposing research centre christened as „Abraham Panampara Research Centre“ (APRC) was established in 2012. The Director of the Centre along with committee members had a series of meetings with faculty members, research scholars, P.G. & U.G. students and have arrived at policy guidelines and action plans.

The policy of the College is to promote more number of faculty members to do their Ph.D. In fact the College has stated that by 2020, it wishes that all the faculty members would have completed their Ph.D. At present the Research Director has personally met all those staff members who have not registered for Ph.D. and prodded them to register for Ph.D.

**Four faculty members** belonging to Aided mode have been granted study leave under FIP scheme of UGC to complete their Ph.D. during the last five years. The College has encouraged and supported faculty members to apply, mobilize resources and conduct National/ International conferences every year in all the disciplines.

The College encourages M.Phil. students to visit research institutions and P.G. students to do in-house projects. The College encourages staff and students to participate and present papers in National/ International conferences. Since last academic year onwards, a Cybrary has been created in the library which provides on line journals and books meant for research scholars.

## **Future Plans**

### **Staff**

All Ph.D Campus by 2020

Fifty registered Ph.D research scholars by 2015

Promoting Publications and Presentations

Claiming Research Guide status for all

Encouraging staff to send Mini / Major projects proposals

Awards and Incentives for Best Researchers

Exchange programmes with Universities / Colleges

Organizing State and National Level Seminars in the campus

## **Students**

### **M.Phil. & Ph.D.**

Public Viva - Voce for thesis to be made mandatory

Publishing papers / presenting the projects made compulsory

Assisting in organizing in the campus State and National Level Seminars

Exchange programmes with universities within and outside India

Conferences, Presentations, Workshops and Publications

Best thesis award and quality check mechanisms

Common Instrumentation Centre

### **Postgraduate Level**

Select students given inputs to aid research pursuance

Compulsory projects and mechanisms for quality assurance

Paper presentations and seminars made mandatory

Incentives for publications

Knowledge sharing with neighborhood Colleges & schools

Visits to research institutes and universities

Cream students (10) of each class are given special focus

Some funds may be generated for students to do research

Research forum" (staff and students) to be formed

Relevant tools of research (SSP, Latex, Mat lab & SPSS...) to be taught

Introducing students to periodicals and journals reading

Video conferencing talks made available

### **Graduate Level**

Factory visits, report writing, mini projects

Websites to be part of the references for syllabus

Compulsory library hours (30) for students

PBL / EBL to be introduced

Encourage to attend seminars at State and National levels

Cream students (5) of each class are given special focus

### **Linkages**

Establishing MOU"s with Universities and Institutes of Research

Encouraging Scholars to visit / work in Institutes of Research

Regular visits and knowledge sharing among Senior Researchers

Promoting outsourcing of projects from well-established centres

Establishing contacts with offices to procure projects

Publish biannual journals separately for Humanities and Science

### **Consultancy**

Offering Training programmes to industries and companies

Expertise sharing with industries and establishing contacts

Offering training to select groups from the neighborhood

<b>Prioritised Research Areas of the College S. No.</b>	<b>Prioritized Research Area</b>	<b>Department</b>
1.	American literature	English
2.	Functional Equations, Difference Equations and Stochastic Process	Mathematics
3.	Crystal Growth, Spectroscopy, NanoMaterials, Chemical Physics	Physics
4.	Polyacids, Macro-molecules, Electro - organic chemistry,	Chemistry

	Kinetics, Nanobioceramics, Environmental Chemistry, Organic Chemistry, Electro analytical Chemistry	
5.	E-Learning, Semantic Web, Decision Support System and Knowledge Management System,	MCA
6.	Semantic Technology, Software Engineering, Ontological Engineering, Data Mining, Networking, e-Learning, Theoretical Computer Science, Relational Database Systems, Distributed Database Systems	Computer science
7.	Rural Community Development and Youth Development	MSW

8.	Agricultural Economics	Economics
9.	Modern Literature and Folklore	Tamil