

**The advisory committee meeting of the DBT STAR College Scheme was held on 20.06.2023 at IQAC. The meeting was presided over by the Principal. Principal welcomed the External members and members from the participating departments.**

This was followed by presentation of the individual departments. After the presentation, Dr. Amitava Sen Gupta, Hon. Distinguished Research Professor, The North Cap University, Gurgaon (Formerly) Outstanding Scientist/Acting Director CSIR - National Physical Laboratory, India and our mentor gave the suggestions/Comments followed by Dr. K. Sumathy, Professor & Head, Department of Mathematics, PSGR Krishnammal College for Women and Dr. R. Rajendran, Professor in Microbiology and Former Principal, PSG College of Arts & Science, Coimbatore and the Regional Coordinator for this DBT STAR College scheme.

The following are the comments by

**Dr. Amitava Sen Gupta**, Hon. Distinguished Research Professor, The North Cap University, Gurgaon (Formerly) Outstanding Scientist/Acting Director CSIR - National Physical Laboratory, India.

- He appreciated the achievements by the departments and suggested
- To increase the number of projects. Projects could be of interdisciplinary in nature including scientific components.
- Students from other departments also can be benefitted out of this scheme. They can be included in the events organized by the STAR departments.
- Suggested to conduct more faculty development programmes.
- The symposium on “Mathematical & Computational Biology” can be made the flagship event of the DBT STAR departments.
- Number of beneficiaries must be included in all the events.
- Website must be updated regularly.
- The PowerPoint presentations could be uploaded in the website.
- No of students in UG & PG programmes must be mentioned.
- Mathematics can be integrated with advancing trends like artificial intelligence and machine learning.
- All the students must be involved in doing projects, so that number of beneficiaries could be increased.

- Student development programmes must be strengthened. Every student must be benefited when practicals are introduced.
- The Illam Bharathi award (from Bharathiar University) received by Mr. Vasantha Kumar of Mathematics department was appreciated by the experts.
- In computer science practical knowledge on wireless sensor networks (WSN) is to be provided for student.
- A student project on soil moisture detector was appreciated and suggested to develop such cost effective detectors.
- Faculty projects with international universities were appreciated. Our Mentor suggested including students for such projects. Collaborative activity with reputed institutions can blossom into collaborative projects.

**Dr. K. Sumathi, Professor & Head, Department of Mathematics, PSGR Krishnammal College for Women** appreciated the tremendous improvement in quality aspects. She added that effectiveness of every programme must be quantified.

**Following are the comments given by Dr. K. Sumathi**

- To avoid technical difficulties in the website, background materials could be given in the form of links.
- Active participation in social media by faculty members and students will help propaganda of the scheme.
- Faculty can motivate students to write monograph in magazines and research findings in indexed journals. Predatory journals could be avoided.
- Students can register in iSTEM portal and Indian culture portals, where the students can participate in training programs with stipend.
- Few books from quality publishers for competitive exams like JAM, CUCET, and NET should be purchased and training can be provided to expose students to these competitive exams.
- Outreach activities can be taken with a longer period and a greater vision. As an example school dropouts can be followed.
- Survey of a locality can be done in association with a NGO, so that outreach activities can be conducted systematically. Focus can be given with a particular theme for a long time.

**Comments from Dr. R. Rajendran, Professor, Department of Microbiology and Former Principal, PSG College of Arts & Science**











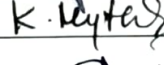

- Prof. Dr. R. Rajendran thanked Dr Amitava Sen Gupta, the mentor for our college for attending this meeting.
- Prof. Dr. R. Rajendran said that the overall improvement is good. More success stories on skill enhancement and placement should come out from all departments.
- Exact parameters for evaluation and milestones in detail should be presented. He commented that the training programmes organized by the departments are good. This DBT STAR scheme is a tool for learning from interdisciplinary activities. Outreach activities involving more school students can be organised and the outcome of such programmes must be analysed. Attracting more students towards life sciences can fulfil the objective of DBT STAR scheme. He also insisted to conduct more FDP programmes.
- The central dogma of the scheme should be analysed. Introduction of new practicals that could not be done due to lack of equipment with little upgradation year wise followed by training of faculty members and student training and ultimately that should help in employment of students. Horizontal and vertical progression will be good.
- Skill oriented practicals and events must be given to students. Outreach activities must focus on the welfare of the communities. Future plans must be more scientific. Resource persons from reputed Institutions to be invited. More industry experts could be involved in curriculum designing.
- All faculty members must participate in faculty training programmes.
- He commented that the collaborative work in computer science is a good approach.
- Overall, the activities are good, improvement is steady and progression is good.



After discussion with the experts, the meeting was concluded with the vote of thanks by Dr. P. Senthil Kumar, Prof (i/c) & Head, Department of Biotechnology.

  
PRINCIPAL

Hindusthan College of Arts & Science (Autonomous),  
Hindusthan Gardens, Behind Nava India,  
Coimbatore - 641 028.

## ADVISORY COMMITTEE MEMBERS

Name of the Faculty	Designation / Department	Signature
Dr.A.Ponnusamy	<b>Principal</b> Hindusthan College of Arts and Science	
Dr.R.Rajendran	<b>Regional Coordinator</b> Associate Professor, PG & Research Department of Microbiology, PSG College of Arts and Science, Coimbatore	
Dr.K.Sumathi	<b>External Member</b> Associate Professor, Department of Mathematics (Aided), PSGR Krishnammal College for Women, Coimbatore	
Dr Amitava Sen Gupta	Hon. Distinguished Research Professor The North Cap University, Gurgaon (Formerly) Outstanding Scientist/Acting Director CSIR - National Physical Laboratory, India	
Dr.Lali Growther	Head, Department of Microbiology	
Dr. P. Senthil Kumar	Professor, Department of Biotechnology	
Dr.S.Anuradha	Head, Department of Mathematics	
Dr.R.Rangaraj	Head, Department of Computer Science	
Dr.P.Senthil Vadivu	Head, Department of BCA	
Dr.V.Saravanan	Head, Department of IT	
Dr. K.Mythili	Head, Department of CT	
Dr.Antony Godson	Assistant Professor, Biotechnology	

Dr.S.Sasikala	Head, Department of Cognitive Systems	
Mrs.S.Renuga devi	Assistant Professor, Department of Mathematics	
Dr.N.Hemashenpagam	Professor, Department of Microbiology	