

## SUMMARY OF PO, PSO, CO, CSO [session 2017-'19]

Internal Quality Assurance Cell, The University of Burdwan met the respective head of the department and specified the method of procurement of Programme Outcome (PO), Programme Specific Outcome (PSO), Course Outcome (CO) and Course Specific Outcome (CSO) from the final year students of 2017-2019 during June-July 2019 and faculty members extracted and prepared the report through interaction as Mentor-Mentee as well as statements from the students and finally handed over to IQAC through Head.

The University of Burdwan is a rural based university and scope and opportunity offered by the University is still worthy to mention as evident from the content of the syllabus/special paper dedicated to it in some of the subjects. University is always approached towards the aspirations of the general students. Then IQAC Team members prepared this report based on the consolidated statements prepared by the faculty members, and placed in the form of summary tabulated as follows. It is also to mention that the statements from the students are preserved in the department along with the report.

### Programme outcome

PO1	<b>Discipline based knowledge:</b> Approach towards the knowledge of fundamentals of social science, literature, economical aspects, political aspects, historical aspects, life sc., chemical sc., physical sc., geological aspects, statistical knowledge, analytical methods, over and above an environmental perspectives to make an awareness in the society and common people in solving the complex social and scientific problems.
PO2	<b>Problem analysis:</b> Application oriented methods to design and organise survey/experiments, as well as to conduct, analyze and interpret the data. Identification, evaluation and formulation, research orientation, and analyze the complex social and scientific problems making use of laws and justice, natural sciences, and biological sciences.
PO3	<b>Design/Development of solutions:</b> Designing and framing the complex social and scientific problems and processes to meet the specified needs with appropriate consideration for the protection of social and scientific world, public health and safety, and the cultural, societal, and environmental considerations. The number of economic, environmental, social, political, and sustainability aspects are addressed.
PO4	<b>Conduct investigations of complex problems:</b> Use case study and field research including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
PO5	<b>Modern tool usage:</b> Innovations and creation, selection, and application of appropriate techniques, resources, and modern scientific and IT tools including prediction and modeling to complex social activities with an understanding of the limitations.

PO6	<b>Social aspects:</b> Apply reasoning informed by the contextual knowledge to assess the societal health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional practices.
PO7	<b>Professionalism and sustainability:</b> Understanding the impact of the professional knowledge, applications based approaches, solutions in societal and scientific contexts, and demonstrate the knowledge of and need for sustainable development. An ability to have an entrepreneurial and innovative mindset to apply knowledge of the discipline and management system to one's own surrounding environments, and need for sustainable development.
PO8	<b>Ethics:</b> Apply ethical principles and commitment to professional ethics and responsibilities and norms of the discipline practices.
PO9	<b>Individual and team work:</b> Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings to accomplish a common goal.
PO10	<b>Communication:</b> Communicate effectively in general, on several activities and with society at large.
PO11	<b>Life-long learning:</b> An ability to recognize the importance of professional development by pursuing higher studies or face competitive examinations that offer challenging and rewarding careers in allied sectors.

### Programme specific outcome

PSO1	Ability to understand the principles and technical development of methodologies of discipline specific issues. Students can assess the different problems of it and possess professional skills and knowledge of discipline designing and monitoring processes.
PSO2	Ability to apply the different monitoring parameters/methodologies to analyse the social and scientific problems, models in real world problem using appropriate data structure and suitable statistics.
PSO3	Ability to use knowledge in various domains to identify research gaps and hence to provide solution to new ideas and innovations.

### Course outcome

CO1	Post-graduate students with strong foundation in their own subject for a successful career in near future.
CO2	Graduates possess knowledge, ability and courage to pursue higher studies and research.
CO3	Ability for proper placement in reputed social, industrial and academic sectors by training with soft skills, domain knowledge and managerial skills.

### Course specific outcome

CSO 01:	<b>Quality and Development:</b> Post-graduate students of the program are inspired/motivated to the effective practice of their discipline to identify and solve the important problems in a diverse range of application areas.
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CSO 02:	<b>Real Life Problem Solving:</b> Students with proficiency in core areas of the subject and subject related issues, so as to understand the problems, power of analysis, design, and synthesize the concepts to frame the solutions for the real life problems.
CSO 03:	<b>Leadership:</b> Graduates of the program have the ability in successful careers in society, industry, academia and attain the positions of importance where they have an impact on their profession and community.
CSO 04:	<b>Lifelong Learning:</b> Graduates of the program will adapt the discipline-wise knowledge possessing the ability to respond to the need of a challenging environment.
CSO 05:	<b>Learning outcome:</b> Students with a learning consciousness of the life-long learning process, to develop effective oral and written communication skills and to introduce them to written ethical codes and guidelines, show leadership and entrepreneurship and exhibit good citizenship.