Research

RECOMMENDATIONS	EXTENT OF COMPLIANCE (%)	INTERVENTIONS DONE (OUTCOME)	REMARKS
1. The BS Statistics program is recommended to actively promote faculty engagement in relevant professional organizations, such as the National Research Council of the Philippines, and provide support for participation. This will enhance faculty awareness of current research trends, facilities professional networking, and strengthen institutional linkages and consortia.	100%	**NRCP Membership** The core faculty members of BS Statistics have already set up their **SKMS account for the NRCP membership application** once the associate membership requirements are completely available. A core faculty member tried submitting an application, but a request for terminal/ progress reports of certified research involvement were not available during the evaluation period, which eventually led to denial. However, reapplication is targeted once the additional requirements (e.g. terminal reports) will be completed. **PSAI Membership** The BSU, as an institution, is **currently a member of the Philippine Statistics Association**, Incorporated (PSAI). The benefits of PSAI members, among others, are free slots for attendance and participation in training and the annual conferences. In addition, PSAI membership provides discounts on publication fees for The Philippine Statistician Journal (Scopus–indexed since 2015).	Sample of NRCP - SKMS Accounts and Application Submission [LINK] Communication and receipt of payments for the PSAI Membership of BSU through the Statistics Department [LINK]

Research

RECOMMENDATIONS	EXTENT OF COMPLIANCE (%)	INTERVENTIONS DONE (OUTCOME)	REMARKS
2. Make a Commercialization Plan out of your published research	100%	During the previous visit in September 2025, it was presented that the research - based outputs of the core faculty members of BS Statistics are instructional, education, and communication (IEC) materials and instructional manuals (IMs). These research - based outputs are planned for production and commercialization through the BSU Printing House. The establishment of the BSU Printing House is still ongoing, as it was just recently approved by the Board of Regents (BOR) for accounting, budgeting, and procurement. On July 01, 2026, the Benguet State University, through its BOR, **approved the Board Resolution No. 480 s. 2026 for the establishment and operation of the University printing press** to publish and disseminate research–based instructional, education, and communications (IEC) materials, and instructional manuals and textbooks developed by faculty members and researchers. It is stipulated in the **IM Development Policy (p.8)** that **a 40% royalty for every IM sold** will be awarded to the authors. Whilst the **BSU printing house guidelines (Pp. 6 – 7)** stipulated that **a 15% royalty on the net price** of every book sold will be awarded to the authors.	Memorandum on the actions taken by the BSU Board during their regular meeting on July 1, 2026, which includes the University printing press establishment [LINK] Dissemination memorandum on BSU Printing House Policy and Guidelines [LINK] Copy of the BSU IM Development Policy and Guidelines [LINK]

Research

RECOMMENDATIONS	EXTENT OF COMPLIANCE (%)	INTERVENTIONS DONE (OUTCOME)	REMARKS
3. Continue the endeavor and spirit of submitting more international research presentations and publications.	100%	**A. INTERNATIONAL PAPER PRESENTATIONS** Since the previous visit in September 2025, some core faculty members of BS in Statistics submitted papers for presentation in the 5th Asian Economic Development (AED) Conference in January 2026. The papers submitted are titled **"Mapping the Road Traffic Risks in Developing Urban Areas: A Case Study of Baguio City, Philippines"**, and **"Risk Factor Analysis of Hemodialysis (HD) Patients in Baguio – Benguet"**. **B. INTERNATIONAL PUBLICATIONS** Since the previous visit in September 2025, a core faculty member of BS Statistics co – authored and submitted a paper for publication titled **"Length – biased Slash – Exponential – Frechet Distribution: Statistical Properties, Estimation, and Application"** in the ASA Discoveries on August 26, 2026. As of the moment, completed studies of the core faculty members of BS Statistics just had a University In-House review last August 2026. Although no submission for publication is yet done, articles are drafted for submission to an International (Scopus-indexed) journal within this year. An example is the paper titled **"Consumers' Intention on Vegetable-Based Juices"**.	Mapping the Road Traffic Risks in Developing Urban Areas…" [LINK] Risk Factor Analysis of Hemodialysis … [LINK] Length-biased Slash-Exponential-Frechet Distribution … [LINK] Consumers Intention on Vegetable Based Juices [LINK]

Research

RECOMMENDATIONS	EXTENT OF COMPLIANCE (%)	INTERVENTIONS DONE (OUTCOME)	REMARKS
4. The faculty members of the program are advised to undertake high impact collaborative research. Likewise, produce relevant research-based and technology-based instructional materials and conduct research that are externally funded.	100%	Since the previous visit in September 2025, the core faculty members of BS Statistics have been involved in the **AGRIINNOVATE Program** funded by DOST – PCAARRD. The program will innovate interventions to address the recurring issues of oversupply of highland vegetables in the Cordillera Administrative Region. The core faculty members of BS Statistics are enjoined for the **development of analytics and advisory system** (**Project 1**) as one of the interventions planned by the program. Under Project 1 , the core faculty members of BS Statistics developed a guidebook (**MANKOTOM 1.0**) for Univariate Time Series models (ARIMA and SARIMA) using R and is currently under review. Another guidebook (**MANKOTOM 2.0**) is undergoing development for the ARIMA - GARCH model for forecasting price mean and volatility in a Trading Center using R. In addition, **one of the target deliverables** from a study led by a core faculty member is a manual of operation, which will be developed within this year. This **manual of operation** is for **sampling and estimation protocol options** to be used by Municipal Local Government Units (MLGUs) for more rigorous methods in estimating standing crop and production estimates.	**MOA** of the AGRIINOVATE program with the participating agencies and LGUs and Project Registrations [LINK] **Registrations** of the AGRIINOVATE **Projects 1** [LINK] **Project 2** [LINK] **Project 3** [LINK] MANKOTOM 1.0 Guidebook **UNDER REVIEW** [LINK] MANKOTOM 2.0 Guidebook **DRAFT/ CONCEPT** [LINK]

Research

RECOMMENDATIONS	EXTENT OF COMPLIANCE (%)	INTERVENTIONS DONE (OUTCOME)	REMARKS
5. The submission of more instructional materials for the Intellectual Property Rights (IPR) review is encouraged.	100%	Since the previous visit in September 2025, the core faculty members of BS in Statistics targeted the development and production of **instructional materials** as per the needs of BS Statistics students. In July 2026, an instructional material for **MathStatII: Statistical Theory (A lecture manual)** was registered (ISBN), protected (copyright), and awarded a certificate of conformance from the IM Committee of the University after a series of evaluations. Currently, the core faculty members are still in the process of developing instructional manuals for the major courses of the BS Statistics program. For instance, a manual for **STAT144: Categorical Data Analysis** has three remaining chapters to be developed and it is planned to be subjected to peer review within this year and be piloted to students during the 2nd semester of SY 2026 – 2027.	MathStat11 Lecture Manual (**PUBLISHED** with registration and copyright) [LINK] STAT144 Lecture Manual (**DRAFT**, subject to review and piloting) [LINK]