

INTERNAL QUALITY ASSURANCE CELL (IQAC) AMET

BEST PRACTICES 2019-20

BEST PRACTICE 1

TITLE OF THE PRACTICE: CASH INCENTIVES FOR ENCOURGING FACULTY MEMBERS FOR HEALTHIER RESEARCH ACCOMPLISHMENTS

Objectives of the Practice

1. To orient Faculty Members of the unique maritime education and training departments to publish quality research articles by giving cash incentives.
2. To recognize the Faculty Members who produce better research accomplishments with special reference to publication of quality research articles

The Context

Academy of Maritime Education and Training (AMET) was established during 1991 and declared as deemed to be University during 2007 under *de novo* category of the section 3 of UGC Act 1956. The University was accredited with Grade B by NAAC during 2015. There have been very few Higher Education Institutions involved in Maritime Education. Because of the inherent uniqueness, AMET has faced many constraints during NAAC, NIRF Rankings and other such common academic exercises. For example, the basic eligibility for Faculty Members of Nautical Science and Marine Engineering is not PG or PhD but the Certificate of Competency only. The Directorate General of Shipping (DGS) Government of India is the statutory/approving authority for maritime education in India. DGS recognizes Faculty Members with high competency even without formal UG/PG or PhD up to the level of Associate Professors to teach maritime education. Since the Faculty resources are not from formal education system with formal research focus, AMET has planned to make systematic efforts to create a research ambience in the campus by organizing orientation programmes workshops, seminars, discussions and brainstorming sessions etc. for the promotion of research which may ultimately lead to quality publications and other research accomplishments. While there are many incentive systems are there, AMET has taken up the CASH INCENTIVES as the way to appreciate and to promote Faculty in getting more research accomplishments.

The Practice

1. AMET has intensified the number of orientation programmes and workshops or trainings related to promotion of quality research.
2. AMET has established a separate section, Centre for Faculty Research Promotion. With a Co-ordinator for these activities. The Co-ordinator is assisting in a systematic manner to orient the Faculty Members of the Departments which are relatively weak in research publication numbers
3. University provides publication charges, charges for analytical works for research and other expenses related to research and publication.
4. In addition, University provides financial incentives for those who publish in reputed journals with impact factors.

5. AMET also facilitates faculty to attend various forms of technology enrichment activities like Faculty Development Programmes, Seminars, Workshops to gain hands on experience, Conferences to present their research work in a open platform to other experts of the research domain, etc.
 6. The faculty who are attending these kind of technology enhancement programme are provided with on duty to participate in such programmes and given financial assistance towards registration fees and travel allowance in some special cases.
 7. Faculty who excel in research work by doing collaborative research with other institutes or universities are given with special considerations like on-duty to progress research work, reduction in individual workload of the faculty members, financial support for testing and experimental facilities.
 8. Faculty those who excel in the research works are periodically awarded for the renowned academic year research excellence.
 9. AMET always encourage the faculty in facilitating collaborative research with other institutes/organisation in order to bring quality research.
 10. Seed money has been facilitated to the faculty members in order to bring out new innovations and projects in the respective domain to progress quality research work in the institution.
 11. Special incentives and awards has honoured to the faculty who excel the research work and get government or private external organisations research projects grants sanctioned to the faculty name in the institution.
 12. Those faculty who are involved in government research projects are relaxed from the teaching work load in order to facilitate quality and on time delivery of the research work,
 13. Those faculty who are awarded by the external organisations or institutes for the excellence in teaching learning works or research work or in any other related field are honoured by AMET in order to encourage them as well as to motivate other faculty members
- Thus, AMET has groomed its Faculty Members to get inclined towards research by giving all possible financial and intellectual supports which leads to relatively higher research accomplishments.

Evidence of Success

During 2008, AMET had produced only 5 publications in SCOPUS. It has increased to 235 during 2015 when AMET was assessed and accredited. By continuously upgrading the capacity of the Faculty Members and encouraging them with financial incentives, AMET has produced 897 articles in SCOPUS indexed journals during 2017-2018 (data from SCOPUS). At present, AMET has produced 1230 articles in SCOPUS indexed journals with 2334 citations.

The quality research work as well as the collaborative research work by the faculty has been drastically increased by 200% in the past five years as well as the quality of the journals published by the faculty have increased in a very rapid level. The numbers of articles published by the faculty members have rapidly increased by 250% in the past five years which accounts to a very dynamic improvement of the institution.

During 2015, the *h* index of the University is 4 and now it has reached 16 (SCOPUS data) due to the best practices followed in the University for promotion of research. Similarly the number of citations were also increased drastically in the past five years to 150% which indirectly implies that the quality of the research publication of the faculty members have improved a lot.

Problems Encountered and Resources Required

Problem encountered	Resources Required/Plans engaged to rectify the problems
Finding of suitable Journals in some of the Unique domains such as Nautical Science	Interdisciplinary Journals have been identified and Faculty Members are oriented to publish interdisciplinary research

Notes (Optional)

Moreover, Faculty members of AMET have filed and published 45 patents. Besides, Faculty Members of AMET have received funded projects from government and private agencies and consultancy projects from industries worth several crores. Though maritime institutions like AMET deserve a separate assessment and accreditation pattern, it has not been considered so far. However, AMET has followed best practices for the improvement of research accomplishments as a measure for the promotion of quality metrics in research.

Best Practice 2

TITLE OF THE PRACTICE:COMMUNITY BASED EXTENSION ACTIVITIES TO IMPROVE THE SOCIO AWARENESS AND QUALITY ENVIRONMENT BY AMETIANS

Objectives of the Practice:

1. To make the eco-friendly Environment as much as possible.
2. To encourage the students to understand the Reality of life
3. Meet the public and educate them to understand the social responsibility.

The Context

Through the outreach programme the University encourages the students and staff to

1. Understand the real life of the people
2. Assisting the public to understand the importance of environment
3. To orient them in ban on plastic, Keeping the surrounding clean and healthy and other hygiene problems
4. Creating green environment
5. To closely monitor all the student activities with many faculty and encourage them to do more social service.

The Practice

To implement the outreach programme, University requested each faculty should take part in at least one community service and one extension activity per academic year along with

students. These activities properly documented by the faculty. Apart from faculties extension activity, NSS & NCC students are also doing community service and extension activities. Most of the faculties got appreciation from Non-governmental organizations which are also part of those activities.

Upon implementation of the system the student mind set totally changed and got a confidence that I can express my thoughts, solve problems & grievances which would be faced by public in a positive way. In this system the students came up with all their suggestions because all are responsible for the change in the society. Depending upon the nature of the comments given by public documented the valid and noteworthy comments were properly escalated till the higher authority in order to take necessary action to keep the society environment friendly. The student forum periodically revises the extension activities along with the staff co-ordinates.

Evidence of Success

The Outreach was considered to be a grand success as it was found that the students shared their thoughts and energy along with the faculty in helping the society whenever the opportunity given to them. The students showed interest and they came up their suggestions and the faculty too mentored the students while doing the service. In this academic year alone 184 awards and recognition received for extension activities from Government and other recognized bodies by our faculties. Some of the activities like Cleaning of children's Park and planting of trees, Awareness rally on Corona Virus, Women safety with Kavalan app and Awareness Campaign on personal health and good habits etc., Students participating in extension activities with Government Organizations, Non-Government Organizations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year.

Problems Encountered and Resources Required

The system was implemented successfully and students found a way of betterment in their expertise but one aspect that was a way to hinder the progress which was identifying Non-Governmental organization to participate in the activity. The students could not find time to meet the concerned faculty in charge in person to fix the timing to the activity because of busy academic schedule.