



Bapuji Educational Association (R.)

COLLEGE OF DENTAL SCIENCES

I Q A C

INTERNAL QUALITY ASSURANCE CELL



Best Practices: 1

Title of practice: Memorandum of understanding with various institutions

Objectives of the Practice:

- To establish the documents to be used in the different stages of the research project.
- To identify and agree on the teaching learning outcomes to be achieved by collaboration in the research activities.
- To define the mechanisms for the assessment, recognition, accreditation and certification of the learning outcomes achieved after the research project.
- To provide a framework for the partner organizations to operate in the thrust area of MOU
- To establish concepts and roles and distribution of tasks and responsibilities among the partnering agencies.

The Context:

In the field of education, teaching and learning, there is always scope for improvement and extending the horizons. However good or well established an institute is, there is always something good in other, which can be utilized/ incorporated/ learned from. Though we can do by observing and at personal contact levels they will always be affected by subjective variability. To uniformise the process, a documented understanding to facilitate the use/ sharing of the resources/ facilities and expertise of the faculty is always helpful and will eliminate subjective hurdles.

In this context, the institute has identified potential institutes with possible resources sharing and has initiated, MOU with these institutes.

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The practice: MOUs have been drafted and signed by our institute with following institutes to facilitate the share of resources in these institutes.

Organisation	Date of MoU signed	Purpose and Activities
Ashwini Ayurvedic medical College PG Centre and Hospital, Davangere	3/04/2017	Research Collaboration and utilization of facilities
Bapuji Institute of Engineering and technology, Davangere	3/04/2017	Utilization of research facilities and other educational materials
Bapuji Pharmacy College, Davangere	3/04/2017	Research Collaboration and utilization of facilities
MR Ambedkar Dental College and Hospital, Bangalore	3/04/2017	Utilization of research facilities and other educational materials, student exchange program

Evidence of Success: There has been initiation of the usage of the facilities and the same has been established with ease.

Organisation	Projects undertaken during the year
Ashwini Ayurvedic medical College PG Centre and Hospital, Davangere	-
Bapuji Institute of Engineering and technology, Davangere	7
Bapuji Pharmacy College, Davangere	4
MR Ambedkar Dental College and Hospital, Bangalore	-

Problems encountered and resources required:

Though initiated, there has been difficulty to drive the process of the activities among the students. There has been activities among the partnering some institutes but we have not been able to initiate similar activities with other institutes.

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Best practices: 2

Title: STIMULATING RESEARCH CULTURE AMONG UNDERGRADUATES

Objectives

- To sensitize the undergraduate students to the research methodology
- To stimulate the problem-based solution approach and innovations among the undergraduates
- To encourage the student's presentation and leadership skills among the undergraduates
- To sensitize and cultivate the habit of publishing the scientific data
- To encourage and support the students to apply and obtain research grants from various external agencies
- To strengthen the resumes which aid in opening newer avenues in career building.

The Context

By definition research means investigation or experimentation aimed at the discovery and interpretation of facts, revision of accepted theories or laws in the light of new facts, or practical application of such new or revised theories or laws.

Though our affiliating university, RGUHS have not included the research component for undergraduate teaching, 'Research Development and Sustenance committee' of our institution is encouraging research for UGs and had planned to utilize the opportunities available to make them learn research methodology and develop their own research projects. The interested students select an interested topic on research with help of faculty mentor and will collect data, analyse the results and get to the inferences. The capstone assignments for the research projects include a journal-style manuscript, a poster presentation, and an oral presentation given to the faculty and staff of the department. Additionally, students are required to present their research at various conferences and many have gone on to present at regional, national, and even international conferences. Here the faculty mentor initiates or continue a productive research agenda being at a teaching intensive institution.

The practice:

Faculty provide a brief idea of research and research related career options to all the students and promote and guide the advanced learners and interested students to take up short research projects along with their regular curricular activities. Along with, students will be notified regular updates on grants provided by various funding agencies on timely basis.

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The students will be privileged to approach the subject expert faculty based on their interested areas of research. The students' ideas will be mended, improvised and made presentable under guidance of expert faculty. Once appropriate, the project will be evaluated by Institutional Review board and ethics committee for clearance.

Students under the guidance of the expert faculty, will attempt to obtain the grants from the various funding agencies, like RGUHS, ICMR etc. In case of possibility, self-funded research will also be encouraged.

The students undertaking the research activities will be allowed to utilize the institutional research equipment to carry out their experiments and also be supported to utilize the facilities of sister concern institutes and the institutions with MOUs. Whenever the project involves the patients, they will be allowed to carryout the project under the guidance of the faculty. Once the data is collected, the meaningful outcome needs a statistical analysis. The institute has appointed an inhouse statistician to facilitate the process. Under the expert guidance the analysed data will be made presentable and achieve meaningful outcomes. The same will be presented in front of institutional experts. Based on relevance, the students will be guided to present their projects in appropriate platforms.

Evidence of Success:

Number of research original projects undertaken: 21

Number of papers presented in conferences: 39

Number of presentations in international conferences: 4

Awarded as best papers among the presentations: 3

Number of posters presented: 9

Problems encountered and resources required:

Research needs self-driven individuals to pursue. Lack of exposure about the research perspective of career, limits the undergraduate students to envision research as a prospective career option.

Funding is an important and crucial aspect of research. If the projects are not funded by external funding agencies, pursuing the research will create financial burden on the students making them reluctant to take up such projects.

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