



Ambe Durga Education Society's  
**Dadasaheb Balpande College of Pharmacy (DBCOP)**

Near Swami Samarth Mandir, Besa, Nagpur-37

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### Best Practice – I

#### Best Research Project (BRP)

**1. Title of the Practice:** Best Research Project Scheme (BRP)

Keywords: Research, Innovation, Project

**2. Objectives of the Practice:**

- To promote research culture in the institute.
- To provide financial support to the selected research proposals of students.
- To identify the potential innovative research for start-ups.

**3. The Context:** With reference to the Research Initiatives and incentive scheme declared by Ambe Durga Education Society, Besa, Nagpur, proposals are invited by the Research and Innovation Cell (RIC), DBCOP for the **Best Research Project** during AY 2024-25 to promote the research culture and identify the potential innovative research for start-ups.

**4. The Practice:** Every year two research project from UG, PG, and Ph.D. are selected and sponsored by ADES. The research guide along with their students has to submit the proposal in the prescribed format. It will be shortlisted and evaluated by the external advisory members through the presentation mode. Seed money will be provided for the selected research project as per the below-mentioned slots:

- For B. Pharm Project: Rs. 30,000/- (1<sup>st</sup> – 20,000/- and 2<sup>nd</sup> – 10,000/-)
- For M. Pharm Project: Rs. 50,000/- (1<sup>st</sup> – 30,000/- and 2<sup>nd</sup> – 20,000/-)
- For PhD project- Rs. 1,00,000/- (1<sup>st</sup> – 60,000/- and 2<sup>nd</sup> – 40,000/-)

An additional amount can be given if found promising, with respect to outcome, subjected to the clearance of RIC, DBCOP.

PI, Co-Pls., and students can utilize this fund for recurring as well as non-recurring purposes.

All concerns of the awarded projects have to keep records of all the expenses incurred on the project.

Need to submit the utilization certificate for which an audit will be done by the society.

**5. Evidence of Success:**

Every year, RIC invites proposals from the UG, PG, and PhD categories, and then all the proposals undergo scrutiny. After that, shortlisted proposals for all categories





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were critically evaluated by external referees during the presentations in front of them. The best research proposals have been selected for the Best Research Projects every year. All these will be entitled to funding as per the BRP scheme document published by ADES under Research Initiative and Incentive Policy.

In the session 2024-2025, BRP was conducted on 10<sup>th</sup> March 2025. In total there were 38 proposals submitted to the RIC committee and after scrutinization by expert evaluators selected 32 students presented their proposals on 10 March 2025. Out of these in final round winner and runner up from B. Pharm, M. Pharm and PhD were selected by the evaluators and results are listed below.

BRP Ref No.	Category	Title of the project	Name of the Investigators	Amount Sanctioned (Rs.)
DBCOP/BRP /UG/3/24-25	UG (Winner)	Portable Multipurpose Sterilization Unit for Point of Care Use in Hospitals	PI: Dr. Ajay Pise Co-Investigators: 1.Mandar R. Kukde, 2.Richika Nagpure, 3.Apurva S. Dabade	20,000/-
DBCOP/BRP /UG/06/24-25	UG (Runner-Up)	Creating a social impact by formulating nutraceutical bar for relief of menstrual pain	PI: Dr. Ajay Pise Co-Investigators: 1. Nawazish Khan, 2. Yash Sakharwade 3.Shravani Kongre	10,000/-
DBCOP/BRP /PG/PQA/ 07/24-25	PG (Winner)	Development of Biotin decorated doxorubicin loaded lipo-polymeric hybrid nanoparticles and evaluation of its anticancer effect	PI: Dr. Ritesh Fule Co-Investigator: Mr. Pankaj Nagpure	30,000/-
DBCOP/BRP /PG/PQA/ 04/24-25	PG (Runner-Up)	Comprehensive GC-MS profiling and mechanistic insights into panchagavya ghrita based novel intranasal formulation for epilepsy	PI: Dr. Deweshri Nandurkar Co-Investigator: Ms. Arjoo Bhamre	20,000/-



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DBCOP/BRP /PhD/04/24- 25	PhD (Winner)	Formulation and Standardization of Polyherbal Nano- Emulgel for Rheumatoid Arthritis	PI: Dr. Ujwala Mahajan  Co-Investigator: Ms. Pooja Bhandare	60,000/-
DBCOP/BRP /PhD/02/24- 25	PhD (Runner- Up)	Design and Development of Multi- target Directed Ligand Nano-Constructs for the Exploration of Antidepressant Drug in Alzheimer's Disease	PI: Dr. N. Mahajan  Co- Investigator: Ms. Amruta Shete	40,000/-

**6. Problems Encountered and Resources Required:**

Time is main constraint to execute the extra events in packed academic schedule. Another is the getting scrutinizing research proposals through external evaluators within time duration.

**Dr (Mrs) Ujwala Mahajan**

Principal

DBCOP

**PRINCIPAL**

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## BEST PRACTICE- II

### 1. Title of the Practice: Idea Club Competition

**Keywords:** Creative and innovative ideas, foster problem-solving skills

### 2. Objectives of the Practice

- 1) To inspire the B. Pharm. and M. Pharm. students to think creatively and innovatively.
- 2) To educate students on the different qualities and abilities needed to succeed in teamwork, communication, presentation skills and idea implementation

### 3. The Context

The intra Institutional Innovation Poster, model and museum competition is organized to provide a platform for students to present their creative and innovative ideas. The event aims to promote interdisciplinary learning, foster problem-solving skills, showcasing their talent through posters and working models.

The idea club competition consists of three main segments:

1. **Poster Presentation:** Students present detail posters depicting their innovative ideas and concepts.
2. **Model Exhibition:** Participants display working models showcasing practicals and scalable solutions to contemporary challenges.
3. **Museum Exhibition:** Each class participate as team and exhibits a museum on a theme compiling with the labs in front of which the museum is present.

### 4. The Practice:

The competition is held every year at Dadasaheb Balpande College of Pharmacy under the guidance of Research and Innovation Cell. The event is organized in two rounds:

**ROUND I:** Screening of all posters and models.

**ROUND II:** Final selection, where the top 5 teams in each category are chosen to compete for the top positions.

### Judging and Evaluation

The competition is judge by of External Evaluator from academia. The evaluation criteria include:

Content, Organization & Structure, Innovative idea, Creativity, Presentation skill and Defense

**5. Evidence of Success**

The competition fosters scientific curiosity, teamwork, critical thinking, and presentation skills. Participants receive certificates of recognition, and the best model is awarded with Dr. A.P.G. Abdul Kalam Trophy, best poster is awarded with C.V. Raman trophy and best museum is awarded with M. L. Shroff trophy.

In Academic year 2024-2025 Idea club competition was conducted on 12<sup>th</sup> December 2024. The competition saw enthusiastic participation, with students presenting 4 scientific models and 42 posters, where 26 posters from PG category, 13 poster from UG category and 3 posters from PPG category and 5 teams for museum. Evaluators praised the creativity and technical accuracy of the exhibition. Selected innovative ideas and models were further send to "Avishkar" RTMNU event. Students who participated in 17<sup>th</sup> Maharashtra State Inter-University Research Convention Aavishkar 2024-25 held at Dr. Babasaheb Ambedkar Technological University, Lonere during 12<sup>th</sup> -15<sup>th</sup> January 2025 are listed below:

Name of Students	Category/ Level	Title of Project	Name of Mentor/Research Guide
<b>MS. SANTOSHI A HEMKE</b>	Humanity, Language and Fine Arts/ Postgraduate Students (PG)	Employment generation through low-cost portable soya processing unit for unemployed youth	Dr. Ajay G. Pise
<b>MR. CHINMAY H. SURJIKAR</b>	Humanity, Language and Fine Arts/ Postgraduate Students (PG)	Exploring the intersection of traditional knowledge and modern medicine: evaluating cow urine distillate as a bio-enhancer for Niclosamide in addressing acute respiratory distress syndrome.	Dr. Amol S. Warokar
<b>Mr. ANUP S. MADANKAR</b>	Humanity, Language and Fine Arts/ PG	Niosomal amphotericin b for the effective and safe management of mucormycosis	Dr. Nilesh M. Mahajan
<b>Ms. SAYALI N. JAWARKAR</b>	Agriculture and Animal Husbandry /Postgraduate Students (PG)	Value addition of agriculture waste to prepare organic manure pellets	Dr. Ajay G. Pise





<b>Ms. KAUSHAL I. SAWAN</b>	Humanities, Languages and Fine Arts /Undergraduate Students (UG)	Airnature purifier: bridging economic and environmental gaps with eco-friendly air cleaning	Mrs. Ruchi S. Shivhare
<b>Mr. MANDAR RAVI KUKDE</b>	Pure Sciences /Undergraduate Students (UG)	Portable multipurpose sterilization unit for point of care use in hospitals	Dr. Ajay G. Pise
<b>Mr. NAWAZISH F KHAN</b>	Humanities, Languages and Fine Arts / Undergraduate Students (UG)	Creating a social impact by formulating a nutraceutical bar for relief of menstrual pain	Dr. Ajay G. Pise
<b>Mr. ATHARVA N. WAROKAR</b>	Medicine and Pharmacy/ Undergraduate Students (UG)	Animal Vital parameter monitor	Mr. Sachin M. Mendhi

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