

Centenary Celebrated Sharanbasveshwar Vidya Vardhak Sangha's



LINGARAJ APPA ENGINEERING COLLEGE, BIDAR

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(AICTE Approved & VTU Affiliated)

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Research Policy

This Research Policy has been formulated and placed before Governing Council members for their Approval.

1. Preamble

The Lingaraj Appa Engineering College upholds academic excellence that is aimed at addressing real-world problems, at local, regional, national and international levels. The primary goals of the College is to provide access to higher and purposeful education, developing scholarship and research in the emerging areas of studies and achieving excellence in academic disciplines, research and extension activities and emphasizing on quality in every activity. In order to achieve these goals, the College is making efforts for research in ethical, responsible and transparent manner for progression of human knowledge and development of innovative and newer technologies, techniques, products and processes. Lingaraj Appa Engineering College is involved in research and innovation in multiple subject domains ranging from Engineering and Technology, humanities, science and technology, management and interdisciplinary studies to address the pressing issues of the society. This research policy delivers a set of guidelines for conducting research at our college level and is applicable to all the faculty members and research students whether full-time, part-time who may be involved in any type of research activity. This policy helps in creating a congenial eco system that promotes gain of knowledge and research which is ethical and can be meaningfully blended with societal concerns along with value creation to promote innovation, entrepreneurship and to realize the mission and vision of the college.

The purpose of the Research policy is to encourage contextual research encompassing the thrust / priority areas at state, national and global level.

Overall management of the research activities will be coordinated by Head of Department under the direct supervision of the Principal.



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2. Scope

This document on Research Policy will be applicable to all the faculty members, staff, full time/part time research scholars and UG, PG students of the College.

3. Need of the Policy

The purpose of the Research Policy is to create an environment for encouraging research in College. This research policy aims at building and supporting research culture for development and promotion of research aptitudes among the faculty members, research scholars and students of the college by providing the necessary resources. This research policy shall provide an overall framework, established norms and standards related to the safe and ethical conduct of research, within the vision of which the research activities may be carried out.

4. Objectives of the Policy

The College encourages faculty members, research scholars and students to pursue research goals through their primary commitment to engaging in research, teaching, industrial collaborations and extension activities that agree with the principles and values of the Engineering College.

The research objectives of the College are -

- To guide faculty members in the effective integration of research activities with the regular curriculum implementation and curriculum enrichment of our college.
- To create, maintain and strengthen the infrastructural facilities to enable the conduct of state-of-the-art research.
- To develop transparent, effective and efficient systems for maximizing the output of research at national and international platforms.
- To integrate the research undertaken at-under-graduate, post-graduate and doctoral levels with the research goals of the college aligning with the national thrust areas.
- To facilitate and encourage multidisciplinary and collaborative research activities within different departments of the college and also with other reputed institutes Universities, Corporate sectors, NGOs and Research Organizations both in India and abroad.
- Urging the faculty to apply for Major and Minor research grants provided by the government organizations, reputed institutes, universities, corporate sectors, Non-Government Organizations (NGOs) and Research Organizations both in India and abroad suitable for the area of research with the support of the research advisory committee.
- To establish linkages outside Engineering College through collaborative research and sign Memorandum of Understanding (MoU's) for the College.



A handwritten signature in blue ink, appearing to be 'Vishu', with a long horizontal stroke extending to the right.

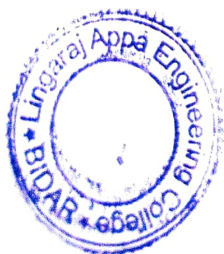
- To encourage innovation and incubation of new ideas with encouragement for Transfer of Technology (ToT) or setting up of start up by the faculty and students.
- To motivate and encourage the publication of the research carried out in reputed, peer reviewed academic journals.
- To encourage and facilitate the presentation /communication of the research work/projects as well as their findings and recommendations through various academic events such as conferences/seminars/workshops/guest lectures or through the media.
- To promote and protect the Intellectual Property Rights such as trademarks, copyrights, patents, industrial designs etc. of the individuals and the College.

5. Guidelines for Research Activities

- Each department should establish and maintain research laboratories to create research ecosystem.
- The faculty and research scholars involved in research should go through research Guidelines before commencement of research. The research proposal should include objectives of research, action plan and research outcomes. Research proposal may also include training and learning, content development, curriculum restructuring, practical field work, product development subject to approval by Doctoral Committee of respective departments and a copy of the research proposal should be duly submitted to Research Center.
- The control, upkeep and record-keeping of our College funded, Government funded resources etc. is the collective responsibility of the Principal Investigator and the Co-Principal Investigator.
- Principal Investigators and Co-Principal Investigators are responsible for securing necessary approvals for the purchase of the equipment, proper tagging, and maintaining inventory, utilization of equipment and peripherals, and disposal once the equipment becomes either obsolete or dysfunctional and irreparable or is in excess.
- Faculty members should implement research pedagogy for enhancing the theoretical and/ or conceptual understanding of teaching-learning processes.
- There should be no conflict of interest in commitment of the faculty members and students involved in research with the institutional goals of the Engineering College.
- The Researchers could also engage in external consulting activities with the permission of the College.

6. Research Promotion Support Schemes

The primary objective of the proposed promotion scheme is to motivate all the faculty members / Research scholars of our College to undertake quality research,



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consultancy and other research related activities.

6.1 Journal Publications

6.1.1 Q1 rated journal publication:

- Incentive of Rs. 8,000/- to be paid which will be equally distributed among all authors of Lingaraj Appa Engineering College.
- Additional Incentive of Rs. 4,000/- for publishing 4 and above papers in Q1 rated journal in a calendar year.
- Publication in Top 10% Q1 rated journals:
- Incentive of Rs 15,000/- to be paid which will be equally distributed among all authors of Lingaraj Appa Engineering College

6.1.2 Q2 rated journal publication:

- Incentive of Rs. 6,000/- to be paid which will be equally distributed among all authors of Lingaraj Appa Engineering College.
- Additional Incentive of Rs 4,000/- for publishing 4 and above papers in Q2 rated journal in a calendar year.

6.1.3 Q3 rated journal publication (other than engineering and Sciences):

- Incentive of Rs. 3,000/- to be paid which will be equally distributed among all authors of Lingaraj Appa Engineering College.
- Incentive of Rs 1,000/- to be paid which will be equally distributed among all authors of Lingaraj Appa Engineering College.

❖ Note on Publication:

Affiliations to be mentioned in the Research articles to be published in conferences and Journals.

The Name of the Faculty/Department and Engineering College is mandatory

The word "LINGARAJ APPA" should be in capital

Ex:

Title of the article

Department of Electronics & Communication
Engineering

LINGARAJ APPA Engineering College Bidar.

6.2 Conference Reimbursement in Scopus Indexed Conferences.

6.2.1 National

- 50% conference registration fees will be reimbursed for conferences.
- 3 AC Train fare/ equivalent for Assistant Professor and Associate Professor and 2 AC



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Train Fare for the Professor and above.

- Any one author of Lingaraj Appa Engineering College is eligible to apply

Note: TA and DA will be given for outstation travel only, On Duty will be given for the conference dates.

* Reimbursement will be given on submission of all the bills (Conference Registration fee payment receipt, Travel Tickets, other Bills etc. for the amount claimed. The faculty member can apply for the above-mentioned incentive once the published paper is indexed in Scopus/WOS database.

6.3 Tuition Fee waiver for faculty pursuing Ph.D.

- All Faculty members who will be registering and who have already registered for Ph.D. programme in Lingaraj Appa Engineering College will be provided fee waiver to pursue quality research.
- Faculty who will be availing this facility must serve Lingaraj Appa Engineering College for a minimum period of 2 years from date of Ph.D. award. Members Failing to meet this requirement must return back the amount being considered under tuition fee waiver.
- This fee waiver will be applicable for FOUR years only and thereafter, the prevailing fee structure shall apply.
- #Terms & Conditions shall apply.

6.4 Publication of Books

- Full Book – International Publisher (McGraw Hill, Prentice Hall, Oxford Engineering College Press or other internationally reputed publishers) – Rs. 10,000/-.
- Full Book – Reputed National Publisher with ISBN/ISSN number – Rs. 5,000/-
- Contribution of book chapters (International Publisher with ISBN/ISSN Number) – Rs. 2,000/- (Conference papers as book chapters will not be considered under this category. They must apply for reimbursement under conference reimbursement only).

6.5 Research Collaboration Incentive for Conference

- Incentive of Rs. 2,000/-
- (2nd author and above) will be given to the faculty member for collaborative work with any institution/industry in India and Abroad. The faculty member can apply for the above-mentioned incentive once the published paper is indexed in Scopus database.

6.6 Incentive for Conducting Training Programs

- If any faculty member conducts any training program to any industry / institution in Lingaraj Appa Engineering College, then 25% of the total revenue generated will be given as incentive.



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- The applicable TA/DA for the trainer from Lingaraj Appa Engineering College offering training outside the campus/State should be provided by the Engineering College. (Applicable once in two years).

6.7 Incentive for Product Development

- Incentive of Rs. 20,000/- will be given to the faculty / student who will develop the product and does the commercialization.
- It is required to add Lingaraj Appa Engineering College as the Co-Inventor.

6.8 Incentive for getting the Grant from Government / Private Sponsored projects Consultancy

- 5% of the total grant to be given to the Investigators for getting the grant from Government /10% of the total grant for Private Sponsored projects from India and Abroad.
- 40% of the total amount generated through consultancy to be given as incentive to the faculty member who gets the consultancy work and uses Lingaraj Appa Engineering College resources.
- However, if faculty gets the consultancy project on his/her own and completes the consultancy without using the Lingaraj Appa Engineering College resources, then 60% amount will be shared from the consultancy amount.

6.9 Patents / Copyrights

- The Engineering College will reimburse full amount for getting Patent granted. But, the Engineering College should be Co-Principal Investigator (Co PI) in such case.
- For all published Patents, the Engineering College will reimburse the amount spent on filing and Publication of the patent.

6.10 Professional Memberships

- 50% reimbursement will be given to all the faculty members once in his/her service. Faculty can apply for membership reimbursement in any one of the Professional Society/ International body or organization. (Any one Professional Society / International Body or Organization)

6.11 Incentive for Scholars/ Students to attend Conferences / Competitions

6.11.1 National:

- 50% of conference / competition registration fees will be given.
- Sleeper Class Train Fare or Bus equivalent (to and fro) will be given.
- TA and DA of Rs. 300/- will be given only for outstation travel.
- One of the students in the author's list of the paper will be given.

6.12 Incentive for Students winning National . level/ state level/ Project



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competition/ Hackathons

- Incentive of Rs. 5,000/- for winning National Level competition; Rs 3,000 for the 2nd prize; and Rs 1,500 for the third prize
- Incentive of Rs. 3,000/- for winning State Level Competition; Rs 1,500 for the 2nd prize, and Rs 1,000 for the 3rd prize.
- Incentive of Rs. 1,500/- for winning in Hackathons/Project competition; Rs 1000 for the 2nd Prize and Rs 500 for the 3rd prize.

6.13 FDP/SDP for students and faculty members

- Sponsorship of Rs. 3,000/- shall be given to faculty and students to attend FDP/SDP. FDP must be minimum of 5 days' duration.
- Dean of the Concerned Faculty shall decide the usefulness of such programs and recommend for the incentive.

6.14 Antiplagiarism software – Drillbit

- All the faculty members and students are encouraged to check the plagiarism of their research paper and research proposal before submitting to any journal/conference/ funding agency.
- You may submit your paper/proposal if and only if the similarity index is less than or equal to 10% only.

6.15 Best Researcher Award

- The Engineering College recognizes the research carried out by its faculty members by granting “Best Researcher Award” for Paper publication, funded projects, Patents, Consultancy etc.
- Faculty will be selected based on the following.

➤ Q1 Journal paper publication

- 1st author – 10 Points
2nd author/corresponding author – 7 points 3rd author & above – 5 points

➤ Q2 Journal paper publication

- 1st author – 8 Points
2nd author/corresponding author – 6 points 3rd author & above – 4 points

➤ Conference paper publication (Scopus indexed)

- 1st Author-2 points
2nd or corresponding Author-1 Point 3rd and 4th Author – 0.5 Point Above 4th author – 0.25 Point

➤ Funded Projects (Grant sanctioned in the Calendar Year)



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- More than 50 Lakhs – 30 points
- 40-50 Lakhs – 25 points
- 30-40 Lakhs – 20 points
- 20-30 lakhs – 15 points
- 10-20 lakhs – 10 points
- < 10 lakhs – 5 points

➤ **Patents**

- Published – 5 points per patent published
- Granted – 10 points per patent granted

➤ **Consultancy**

- More than 10 Lakhs – 20 points
- 10-8 Lakhs – 18 points
- 8-6 Lakhs – 15 points
- 6-4 Lakhs – 10 points
- 4-2 Lakhs – 7 points
- < 2 Lakhs – 5 points

Note:

- This award will be given to the faculty who earns highest points in a Calendar year (1st January – 31st December).
- The points must be calculated as per the achievement made in the Calendar year.
- At least one Q1/Q2 journal a paper is published (Engineering & Sciences).
- Incentive of Rs. 5,000/- will be rewarded along with a certificate.

6.16 Innovation Award

- Any faculty members or student who develops and commercializes a product (to the market) will receive the “Innovation Award”.

6.17 Best Project Award

- Best Project Award is given to UG / PG student project if they have published 1 or more Q1 papers from their project.
- Incentive of Rs. 3,000/- will be given along with a certificate.
- Guide will also be recognized with a certificate of appreciation.

6.18 Policy on accommodation for Full-Time research assistants /Research scholars /Research associates

- All the scholars enrolled for Ph.D. in full-time mode are provided with the hostel facility at a cost of the existing fare of Rs 2000/- p.m. The same amount may be deducted from the stipend for scholars who are receiving the stipend from the College or collected from other Full-time scholars who are not on stipend.
- Other scholars who wish to avail the hostel facility on weekends may be



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charged at the rate as decided by the College.

6.19 To attract GATE/NET qualified candidates

- Scholarship of Rs 15,000/- is to be provided for full time PhD scholars who have cleared the UGC, NET, GATE qualified, CGPA greater than 8.5 in UG / PG. Accommodation and food can be charged at Rs 5,000/- per month.

6.20 Sabbatical leave

- 4-6 weeks of Sabbatical leave for faculty to visit/work research labs once in 3 years.

6.21 Students and Faculty members recognized by state/national/Industrial/ premier Institutes

- Incentive/certificate of commendation/Medal of honour will be bestowed upon members of faculty and students.

7. Responsibilities of Researchers

- The faculty member should review intellectual and tangible property rights and responsibilities with all members of their research group and maintain academic transparency. All scientific help should be properly acknowledged. Fairness of distribution in offering benefits to individuals and representatives involved in research should be maintained.
- Head of departments and researchers associated with research are directly responsible to ensure the periodic inspection of laboratory facilities, take corrective measures if required and to cooperate in any kind of inspections by College authorities, safety personnel or external agencies.
- Research Facilities, experiments, observational tools and use of resources should be in accordance with ethical standards prescribed by regulatory bodies as well as research standards laid down in this regard by professional bodies.
- All financial agreements for the research should be acknowledged and should be as per the contract either with College or funding agency. Research Funds must be judiciously spent to remain within the limitations of the research grant. Any overdraft or change of head should be approved both by within the administration and also by the sponsoring agencies.
- Principal Investigators and deans/chairpersons are responsible for securing required approvals for the equipment/ instrument purchase, proper tagging and maintenance of inventory, utilization of equipment and peripherals and etc.
- All funded projects and their Statements of Expenditure and Utilization Certificates must be reviewed and certified by the Principal Investigators and department head.



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8. Sponsored Research/Consultancy etc...

The faculty members of the College are permitted and encouraged to engage themselves in academic research/ sponsored research/ consultancy projects in collaboration with corporate/ government sectors etc. The person undertaking such projects has rights and responsibilities towards College. While he/she can make decisions related to the project, such collaborative research should not interfere with their regular duties.

9. Research Misconduct

- All funded projects and their Statements of Expenditure and Utilization Certificates must be reviewed and certified by the Principal Investigators and department head.
- College is committed to ensuring that investigations are carried out as expeditiously as possible, at the same time ensuring the utmost degree of thoroughness and ethical standards.
- "Research misconduct" is defined as fabrication (making up data or results, and recording or reporting them), falsification (manipulating research materials, equipment, or processes or changing or omitting data or results such that the research is not accurately represented), or plagiarism (appropriation of another person's ideas, processes, results, or words without giving appropriate credit) in proposing, performing, or reviewing research or in reporting research results.
- It is the sole responsibility of faculty or research staff or technical personnel and students of the College, to foster an academic environment conducive to free and fair research activities.
- If College receives any complaints /applications about research misconduct, a proper inquiry would be held based on preliminary information gathered and preliminary fact-finding to ascertain the merit of the case under the supervision of the Special committee to be set up to look in to such allegations.
- Employees accused of research misconduct ("Respondents") will be provided with a copy of this procedure and will be informed in writing of the detail of the allegation.
- Proven misconduct in research is considered as serious or gross misconduct and normally merits dismissal after due process from the College.
- The College will take disciplinary action against any individual who attempts to influence, victimize or intimidate the individual making the allegation of scientific misconduct (the "Complainant") or witnesses.
- The College is committed to protecting its employees from malicious accusations and will take action against any individual(s) responsible for such allegations.

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- If College receives any complaints regarding sexual harassment in the process of conducting research/projects, it will be forwarded to the Women's Cell of the College for further investigation.

10. Amendment of Research Policy

The Lingaraj Appa Engineering College reserves right to amendment of these guidelines as and when required i.e, insertion, deletion and modification of clauses.



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