



# KIARA

## Kristu Jayanti Innovation and Research Accelerator

Newsletter of the Centre for Research, Kristu Jayanti College, Autonomous, Bengaluru

## Principal's Message

Fr Dr Augustine George, Principal

Greetings on the launch of KIARA - the Research Newsletter.

Kristu Jayanti College, Autonomous, Bengaluru has made yeoman strides in research and innovation. Since the inception of the college, an infrastructure to undertake research has been created in an incremental manner. Research laboratories for Life Sciences, Psychology, Physical and Computational Science have been established to pursue cross-cutting research. Faculty are encouraged to delve into domain specific and interdisciplinary research through the provision of e-resources and databases. Annual budget allocation for research facility augmentation, provision of seed money for research and institutional efforts for research promotion are pivotal in driving the research culture. I wish the Centre for Research the very best in all their endeavours to elevate the research quotient of the institution.



## From the Director's Desk

Dr Justin Nelson Michael

The role of research in an academic institution is of paramount significance for its sustainability and development. The globalised era has created an additional impetus for research and innovation in all higher educational institutions. Realising this vital national need, Kristu Jayanti College prioritises research among its faculty and scholars. The Centre for Research functions as the fulcrum to spearhead the research initiatives of the institution and harnesses the limitless potential of innovation. The Research Advisory Committee, the executive wing, establishes relevant infrastructure, creates a culture, promotes, monitors and recognises the research undertaken at the institution. Bengaluru North University has approved four research centres. Financial assistance for research advancement, provision of seed money and collaboration are some endeavours to elevate the status of research. Code of Ethics in research is upheld with utmost academic integrity. It is with great joy that the committee presents its newsletter, KIARA – Kristu Jayanti Innovation and Research Accelerator



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## Research Quest

Dr A.J. Excelce, Faculty, Department of Management

Research and innovation are the pillars of future sustainability and the global quality of our institution. Realising this great need, the Centre for Research aspires to reach global benchmarks by setting various targets for its research quest. A 5 P model is adopted to promote research at the institution – policy, projects, publications, patents, and progress. The Research Promotion Policy of the institution propels the faculty and the students to foray into path-breaking research in diverse disciplines. The Centre for Research provides a support system to undertake externally funded (Government / Non-Government / Private Agencies) and institutional funded research projects. Faculty members are encouraged to publish their research in quality, indexed journals and improve their citations and H-index. The college also publishes five research journals. The Intellectual Property Advisory Cell provides assistance in applying for and obtaining patents. The faculty research contribution is monitored by the Centre to assess the progress and career advancements of the faculty members.



## Publications – Pathway to Knowledge Creation

Dr Sivasubramanian K, Faculty, Department of Economics

The Research footprint of an institution is measured by the quality of its research publications guided by the benchmarks set by the Centre and motivated by the research empowerment strategies of the institution. The faculty members publish their research findings in high impact journals. Due diligence is kept to maintain academic integrity and avoid cloned and predatory journals. Workshops, Faculty Development Programmes and Colloquiums serve as channels of research enhancement. All departments organise conferences and seminars to disseminate research information. The research output has witnessed a manifold increase in the last five years. The research publications in Scopus, WoS, UGC CARE listed journals increased from 54 publications in 2015-2016 to 362 publications in 2020-2021. Books, chapters in books and proceedings increased from 66 in 2016 to 214 in 2020.



## Shodh Pravartan

Dr Chandrakhanthan J, Faculty, Department of Commerce (UG)

Research projects funded by Government / Non-Government institutions have been pursued by the faculty members. Rs. 48.8 lakhs have been received as a research grant from external agencies. Shodh Pravartan Research Grant Scheme is an institutional initiative to encourage faculty members to under-take research projects. The research grant is provided in three categories: i) Minor Research Project for research in specific disciplines and trans-disciplines, ii) Collaborative Community Project for socio-economic development of local community and iii) United Nations Sustainable Development Goal Project for poverty alleviation. The Centre formulates the guidelines, calls for proposals, conducts expert reviews and sanctions the projects. Periodic review and monitoring are also done systematically to ensure scientific adeptness. Thirteen MRP and twenty-four CCP have been completed. The centre has received sixty-three proposals in the current academic year.



## Patents – Reservoir of Intellectual Property

Dr Vinothina V, Faculty, Department of Computer Science (PG)

### Patents – Reservoir of Intellectual Property

The Faculty of the institution are encouraged to create intellectual property. Guidance and support provided by the IPA Cell facilitate the filing of patents and copyrights. IPR workshops and seminars are organised to orient faculty members on the patent filing process. Multidisciplinary collaborations are forged and innovations are patented in various departments. The institution has both Indian and International patents to its credit. The faculty has published 24 patents, filed five patents, registered one patent and submitted two copyrights.



### Seed Money for Research

Seed Money for Research Scheme has been instituted to benefit faculty members of Kristu Jayanti College to provide financial assistance to undertake research. The Centre formulates relevant guidelines for the provision of seed money. The guidelines are revised every year and approved by institutional committees and management. Research output in the form of publications and patents are eligible for the grant. An expert committee reviews the quality and integrity of the research work before recommending the sanction of seed money. A sum of Rs.25 lakhs was provided as seed money during the last five years. The seed money granted by the institution has increased from Rs. 1.09 lakhs to Rs. 17.43 lakhs.

## Research Empowerment Programmes

Dr Mayank Pandey, Faculty, Department of Computer Science (UG)

**The pursuit of knowledge is incomplete without constant updation. The academic calibre of a teacher needs to be enhanced through continuous reskilling and upskilling. Research empowerment programmes serve as staircases of professional development of faculty members. Diverse categories of workshops, faculty development programmes and interactive sessions are organised to sharpen their research skills. The themes for the sessions range from basic research methodology to the usage of advanced analytical tools. Orientation and guidance are also provided on the identification of the right journal for publication. Collaboration with eminent research institutions across the nation is encouraged.**



## ಸಂಶೋಧನಾ ಕೇಂದ್ರ

Dr Sarvesha B S, Head, Department of Kannada

ಬದಲಾಗುತ್ತಿರುವ ಜಾಗತಿಕ ಆಯಾಮಗಳು, ಅಭಿವೃದ್ಧಿಯ ಹೊಸ ಸ್ವರೂಪಗಳು ಇಂದು ಸಂಶೋಧನೆಯ ಹೊಸ ಮುಖವನ್ನು ಪರಿಚಯಿಸುವ ಕೆಲಸವನ್ನು ಮಾಡುತ್ತಿವೆ. ಉನ್ನತ ಶಿಕ್ಷಣವು ಇಂದು ಅತ್ಯಂತ ಅಗತ್ಯವಾಗಿ ಹೊಸ ಸ್ವರೂಪದ ಜಾಗತಿಕ ಸಂಶೋಧನಾ ನೆಲೆಗಳನ್ನು ಸೃಷ್ಟಿಸುವ ಕೆಲಸವನ್ನು ಮಾಡಬೇಕಿದೆ. ತಂತ್ರಜ್ಞಾನದ ಕ್ಷಿಪ್ರ ಪ್ರಗತಿಯ ನೆರಳಲ್ಲಿ ಯುವಕರನ್ನು ಸಂಶೋಧನೆಗೆ ಸಿದ್ಧಗೊಳಿಸುವ ಕೆಲಸ ಅನಿವಾರ್ಯವಾಗಿದೆ. ಉನ್ನತ ಶಿಕ್ಷಣ ಸಂಸ್ಥೆಗಳು ಸಂಶೋಧನೆಯ ವಿವಿಧ ಆಯಾಮಗಳನ್ನು ಗಮನದಲ್ಲಿರಿಸಿಕೊಂಡು ಶಿಕ್ಷಣದ ಭಾಗವಾಗಿ ಸಂಶೋಧನೆಯನ್ನು ರೂಢಿಸಬೇಕಾಗಿರುವ ಹಂತವನ್ನು ತಲುಪಿವೆ.



ಕ್ರಿಸ್ತು ಜಯಂತಿ ಕಾಲೇಜಿನ ಸಂಶೋಧನಾ ಕೇಂದ್ರವು ಈ ನೆಲೆಯಲ್ಲಿ ಕಾರ್ಯ ನಿರ್ವಹಿಸುತ್ತಿದ್ದು ಸಂಶೋಧನೆಯ ಹೊಸ ನೆಲೆಗಳನ್ನು ವಿದ್ಯಾರ್ಥಿಗಳಲ್ಲಿ ಮೂಡಿಸುವ ಜೊತೆಗೆ ಅಧ್ಯಾಪಕರಲ್ಲಿ ಸಂಶೋಧನೆಯ ಕ್ಷಿಪ್ರ ಪ್ರಗತಿಯ ಮಾರ್ಗಗಳನ್ನು ಪ್ರೇರೇಪಿಸುವ ಕೆಲಸವನ್ನು ಮಾಡುತ್ತಿದೆ.

ಸಂಶೋಧನಾ ಸಲಹಾ ಸಮಿತಿ ಕಾಲೇಜಿನ ಸಂಶೋಧನಾ ನೆಲೆಗಳನ್ನು ಚುರುಕುಗೊಳಿಸುವ ಕೆಲಸವನ್ನು ಮಾಡುತ್ತಿದೆ. ನಮ್ಮ ಕಲೆ, ಸಂಸ್ಕೃತಿ, ತಂತ್ರಜ್ಞಾನ ಹೀಗೆ ಹಲವು ನೆಲೆಗಳಲ್ಲಿ ಸಂಶೋಧನೆಯನ್ನು ಪ್ರೋತ್ಸಹಿಸುತ್ತಿದೆ. ಬೆಂಗಳೂರು ಉತ್ತರ ವಿಶ್ವವಿದ್ಯಾಲಯವು ಕಾಲೇಜಿಗೆ ನಾಲ್ಕು ಸಂಶೋಧನಾ ಕೇಂದ್ರಗಳನ್ನು ಅನುಮೋದಿಸಿ ಪ್ರೋತ್ಸಹಿಸಿದೆ. ಆಡಳಿತ ಮಂಡಳಿಯು ಸಂಶೋಧನೆಯನ್ನು ಪ್ರೋತ್ಸಹಿಸುವ ವಿವಿಧ ಯೋಜನೆಗಳನ್ನು ರೂಪಿಸಿದೆ. ಸೀಡ್ ಮನಿ, ಸಂಶೋಧನೆಗೆ ಆರ್ಥಿಕ ಸಹಕಾರ ಹೀಗೆ ಸಂಶೋಧನೆಯನ್ನು ಪ್ರೋತ್ಸಹಿಸುತ್ತಿದೆ.

ಕ್ರಿಸ್ತು ಜಯಂತಿ ಕಾಲೇಜಿನಲ್ಲಿ ಐದು ಸಂಶೋಧನಾ ಪತ್ರಿಕೆಗಳನ್ನು ಪ್ರಕಟಿಸುತ್ತಿದ್ದು ಎಲ್ಲಾ ನಿಖಾಯಗಳ ಸಂಶೋಧನಾ ಆಸಕ್ತಿಗೆ ಸಂಶೋಧನೆಯ ಮಹತ್ವವನ್ನು ತಿಳಿಸಲಾಗುತ್ತಿದೆ. ಕನ್ನಡ ಸಂಶೋಧನೆಯ ಸ್ವರೂಪವನ್ನು ತಂತ್ರಜ್ಞಾನದ ನೆಲೆಯಲ್ಲಿ ಮತ್ತಷ್ಟು ಉನ್ನತ ಹಂತಕ್ಕೆ ತಲುಪಿಸಲ

## ಅನುಸंधान केंद्र

Dr Sainath Nagnath Ganshetwar, Faculty, Department of Hindi

किसी भी शैक्षिक संस्थान में अनुसंधान केंद्र, उस संस्थान को एक उच्च स्थान पर ले जाने वाली सीढ़ी होती है। यह अनुसंधान सीढ़ी समाज के परिवर्तन की दिशा में योगदान तथा शोध को बढ़ावा देता है। इसके साथ ही अनुकूल भौतिक और बौद्धिक वातावरण के ढांचे में डालकर उसे योग्यता के शिखर की ओर ले जाने की कार्य करती है। इसी राह पर क्रिस्तु जंयती महाविद्यालय (स्वायत्त) में "अनुसंधान केंद्र" का स्थान है। शोधकर्ता ईमानदारी, पारदर्शिता, जवाबदेही और दूरदर्शिता के नैतिक मूल्यों के साथ सभी अनुसंधान कार्यों में यू.जी.सी. के नैतिक मानकों का पालन करते हुए कार्यरत हैं। अनुसंधान केंद्र में सभी विभाग के शोध कर्ताओं के द्वारा संपन्न शोध-कार्य किया जा रहा है। इस अनुसंधान केंद्र के विकास में पिछले पाँच वर्षों (2015 से 2020) में वृद्धि दिखाई देती है, जैसे - शोध परियोजना में 2015 में 05 थे, 2020 में 18 तक हुए वहीं शोध आलेखों में 54 थे 362 हुए और पुस्तकें एवं पुस्तक अध्यायों में 66 थे 214 हुए हैं।

