

## Message from Chairman

It is a matter of great pride for me that our college, Kathford International College of Engineering and Management, has published the first volume and first issue of its journal - “**Kathford Journal of Engineering and Management (KJEM), ISSN No. 2661-6106**”. I believe that this publication will be a huge milestone for research and development at Kathford and will contribute to the nation with innovation in many fronts. I hope that this journal will benefit researchers, teachers and students in the areas of Engineering, IT and Management.



I would like to congratulate and thank the members of editorial board, contributing authors, and everyone who worked very hard to make this journal possible. I feel fortunate to have this outstanding team with immense dedication, perseverance and expertise.

Finally, I wish all the best for the success of this journal and would like to see it as one of the prestigious journals in future.

Mr. Suman Katawal  
Chairman  
Kathford Int'l College of Engineering & Management

## Message from Principal / Editor-In-Chief

Warm welcome to the first issue of KATHFORD Journal!!!

It is my pleasure and great privilege to present this journal "**Kathford Journal of Engineering and Management (KJEM)**", a blind peer-reviewed journal of Kathford International College of Engineering and Management. This journal covers the various field of Engineering, applied science, management and others related fields. It encourages interested professionals, academics and research organizations working in the above field to share new ideas or new perspectives on existing research.



I hope that the academicians, researchers and practitioners will make good use of this valuable research material and continue their research finding for the publication in this journal. I also would like to hear the constructive and valuable suggestions on improving our journal further.

At last but not least, on the behalf of committee and myself, I would like to extend my heartfelt thanks to contributors, editorial board members and looking forward for continuous support.

Madhu Sudan Kayastha, Ph.D  
Editor-In-Chief  
Kathford Journal of Engineering & Management

## Message from Managing Editor

It gives me immense joy and satisfaction to finally introduce our own the Kathford Journal of Engineering and Management. It is an annual multidisciplinary, peer-reviewed journal that publishes original research as well as review in engineering, management and information technology. The essential purpose of this publication is to scaling the creative thoughts of academicians, researchers and practitioners. It provides an important forum to address critical issues in the field, exchange new ideas and disseminate the latest developments in applied research. The journal accumulates scientific research and also explores policies, ethical, legal, social and economic perspectives in this field. Researchers outside the premises of it never know the strength of it unless creative ideas of the researchers are unveiled through organized publication. It is a platform to foster academicians, researchers and practitioners who are interested to publish their research article in the field of engineering, management and information technology.



A lot of effort has gone into the making of this issue. I extend my appreciation and special thanks to the contributors for their contribution to this first volume of Kathford Journal of Engineering and Management enhancing its beauty through their research articles and congratulation to the editorial board and those staffs who have worked hard to publish this issue. We hope Kathford Journal of Engineering and Management will become the primary platform for researchers to share findings and discuss innovations.

I would like to hear from you as well as your valuable suggestions on improving our journal further. I am sincerely looking forward for your continuous support.

Suvita Jha, Ph.D  
Managing Editor  
Kathford Journal of Engineering & Management