

# THE SPARK

**MECHANICAL DEPARTMENT**

**2022-23  
ISSUE - I**



**RAAJDHANI ENGINEERING COLLEGE  
BHUBANESWAR**





## *From the Desk of Chairman*

Hearty Greetings to you.

A College magazine "THE SPARK" is a record of all the activities that have taken place in the academic year and also a platform to display creative thoughts and literary talents. The editorial board deserves a special appreciation for their efforts in compiling this publication.

Let us all wish and hope that the theme chosen for the magazine is ingrained in our minds and our students go out and strive to permeate this all important value in our society to create a better world for all of us.

**CA. B. Ramprasad Rao**



## *From the Desk of Vice Chairman*

I am very pleased to note that the illustrations of "THE SPARK" brought out is appreciated very well. Heartily congratulations to the editorial team. The magazine, THE SPARK, from the over all departments of RAAJDHANI ENGINEERING COLLEGE invites a wider readership in the Institute. Let this be a forum to exhibit the potential of faculty and students with their literary skills and innovative ideas.

**Dr. M. K. Palo**



## *From the Desk of Sectetary*

It is a matter of great pride to pen down message for 'THE SPARK', the annual magazine of Raajdhani Engineering College. The Mechanical Departmental magazine is a platform for the students to express their creative pursuit which develops in them, originality of thought and expression. The contents of the magazine reflect the creativity and imagination of our students. I take this opportunity to congratulate the Director, faculty members and students for their strong sense of commitment, service and responsibility that has facilitated in transforming this institution into an outstanding and significant temple of learning.

**Dr. S. C. Panda**



## *From the Desk of Director (Adm & fin.)*

I am glad to know that our Institution is bringing out its magazine 'THE SPARK' to commemorate the achievements of the students, teachers as well as the faculty members.

I appreciate your devotion & dedication for nurturing future generation by fostering knowledge and social skills and your caring and concern for all round development of the students. I am sure it will help your students to develop wide mental horizon to be successful and will inspire your teachers & students to make greater efforts to achieve excellence and perfection in every field so that they may be a source of pride for their college and their country.

**R. Choudhury**



## From the Desk of Director (T & P)

I am Immensely gratified to let “THE SPARK” take over the opportunity to manifest the talents as well as the standards which the entire team of Editorial , faculties as well as students efforts are put forth. Good health is prerequisite to human productivity and development process. RAAJDHANI ENGINEERING COLLEGE is a blend of technology and Basic science and Humanities which proposes to produce ample amount of professionals who in turn will promote technology not only in our state as well as through our nation. Driems will always strive for excellence and will set high standards in all sectors of education. I wish all the best to all the students for their career and academic pursuits”.

**G. S. Mishra**



## From the Desk of Principal

It gives me an immense pleasure as Raajdhani Engineering College is bringing out the annual magazine "THE SPARK" exclusively meant for the latent writing talents with invaluable potential. I congratulate all the contributors and editorial board for this revolutionary creation.

Raajdhani Engineering College has stood above the rest in its approach to technical education and in its pedagogies. Since its inception, we never hesitated to look into our deficiencies consistently and transform us to an efficient agent of social change. Many critics would confirm that our college has certainly gone a long way in enhancing quality of technical education.

This year, I wish the new edition of "THE SPARK" will be a grand success...

**Dr. Alok Kumar Mohapatra**

## From the Desk of Chief Editor

*‘Creativity is seeing what others see and thinking what no one else ever thought.’*

- Albert Einstein

*Life is infested with many challenges. The best way to overcome these is to find innovative solutions. It is easier to blame the problem-ridden situation and languish in action. But it takes an inventive mind to overcome the difficulties.*

*The Annual magazine “THE SPARK” of RAAJDHANI ENGINEERING COLLEGE present technical articles from faculty and students, providing an opportunity for students to share their technical knowledge as well as non technical knowledge.*

*It was an eye-opening chapter for the team as they realized the colors of life and created something entertaining, inspiring and memorable for readers.*

*No publication is the work of an individual. I am gratified to our Director Prof. R Choudhary, Principal, Dr. Bimal Sarangi, for their support and encouragement. I would like to thank all my committee members who are part of the Team “THE SPARK”.*

*I also give Special Thanks to Departmental HOD for his valuable guidance and suggestion to shape this magazine.*

*From the entire family, we present to you " THE SPARK "*

*We hope you enjoy this edition. Happy reading!*

**Mr. Asish Tripathy**

Prof. Ramesh Choudhary  
(Director (REC) Chief Adviser)

Prof. Dr. Bimal Sarangi  
(Principal, Chief Initiator)

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