



V. V. Sangha's

Rao Bahadur Y Mahabaleswarappa Engineering College, Ballari.

V.V.Sangha'S:

The Veerasaiva Vidyavardhaka Sangha is established in the year 1996 with a view to focus on providing education to all strata of the society in the rural areas of Ballari. V.V. Sangha, Ballari, a hundred years mammoth educational society, runs more than 40 educational institutions in Ballari, Koppala and Davanagere Districts, covering primary education to post graduation courses in Arts, Commerce, Pharmacy, Science, Engineering, and Management. It aims to carry on the good work to the society in the years to come.

Rao Bahadur Y Mahabaleswarappa Engineering College, Ballari.

Rao Bahadur Y. Mahabaleswarappa Engineering College is established in the year 1980, under the aegis of the Veerasaiva Vidyavardhaka Sangha, Ballari. RYMEC has grown as one of the reputed Engineering Colleges in Karnataka and has contributed thousands of engineers to the society who have carved name for themselves in various fields in India and abroad. RYMEC was recognized as one of the private engineering colleges for the SUPER 30 Programme under the Regional Ecosystem for Technical Excellence (RETE) by the Karnataka Government. The institute offers 8 UG, 6 PG programs and 7 Research centers.

The Institution is accredited by NAAC A+ & the Department of ECE, CSE, MECH, Civil is accredited by NBA, New Delhi. The institute has recently established centre for innovation in technology supported by TATA Technologies Ltd., in Mechanical Engineering Department.



The Institute has excellent sports facilities, well equipped labs and digital class rooms and separate hostel facilities for boys & girls. The Institute is located 50 Km away from the world famous historical place “Hampi”, a world heritage site recognized by UNESCO. The Institution has secured sponsored research projects from esteemed bodies such as UGC, DST, DRDO, and JNTUHQEQIP. Furthermore, the college has been granted funds for Entrepreneurship Development Cells (EDC), Faculty Development Programs (FDPs), and Modernization of Laboratories (MODROBS) by AICTE and VTU. More than 95% of eligible students have been successfully placed in numerous multinational corporations. RYMEC has also entered into Memorandums of Understanding (MoU’s) with several reputable organizations to foster mutual benefits, including student projects, expert lectures, industrial visits, and consultancy services.

Vision

To Produce Professionally Excellent, Knowledgeable, Globally Competitive, Socially Responsible Engineers and Entrepreneurs

Mission

1. To provide quality education in Engineering & Management.
2. To establish a continuous Industry Institute Interaction, Participation, Collaboration to Contribute Skilled Engineers.
3. To build human values, social values, entrepreneur skills and professional ethics among the technocrats.
4. To focus on innovation and development of technologies by engaging in cutting edge research areas

INVITATION

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POSTER

V.V.Sangha's
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Rao Bahadur Y.Mahabaleswarappa Engineering College
Cantonment. Ballari-583104.

Department of Mechanical Engineering
Cordially Invites you for
**STUDENT INDUCTION PROGRAM &
FRESHER'S DAY**
On 24th September 2025 @ 10.00 AM
Venue : Dept. Seminar Hall

Dr. Kanekal Mahantesh President, V.V. Sangha, Ballari
Sri Janekunte Basavaraj Vice President, VVS & Chairman, GC, RYMEC, Ballari
Dr. Arvind Patel Secretary, VVS., Ballari
Sri Yalpi Meti Pampanagouda Joint Secretary, V.V. Sangha, Ballari
Sri Byluvaddigeri Yerriswamy Treasurer, V.V. Sangha, Ballari
Sri Prabhu Swamy S.M GB Member, RYMEC Ballari
Sri Badada Prakash GB Member, RYMEC, Ballari
Principal, Vice-Principal, HOD Staff and Students of Mechanical Engg. Dept.



ವಿರಚೈವ ವಿದ್ಯಾವರ್ಧಕ ಸಂಘ, ಬಳ್ಳಾರಿ
ರಾವ್ ಬಹದ್ದೂರ್ ವೈ. ಮಹಾಬಲೇಶ್ವರಪ್ಪ ತಾಂತ್ರಿಕ ಮಹಾವಿದ್ಯಾಲಯ, ಬಳ್ಳಾರಿ.

THE VEERASAIVA VIDYAVARDHAKA SANGHA'S
RAO BAHADUR Y. MAHABALESWARAPPA ENGINEERING COLLEGE

Cantonment, BALLARI - 583104 (Karnataka)

Affiliated to VTU, Belagavi, Approved by AICTE, New Delhi, Accredited by NBA, New Delhi and NAAC with A+ Grade

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Department of Mechanical Engineering

Cordially Invites you for

"Induction Programme & Fresher's Day"

Inauguration on 24th Sep. 2025 - 10.00 AM @ Dept. Seminar Hall

Chief Guest
Sri. Kiran Kumar
General Manager
J.S.W Steel Limited, Toranagallu

In the August Presence of

<p>Dr. Rangal Mahantesh President V. V. Sangha, Ballari.</p>	<p>Sri. Jangkunte Basavaraj Vice President, V. V. Sangha, Ballari & Chairman, GC, RYMCC, Ballari.</p>	<p>Dr. Arvind Patel Secretary V. V. Sangha, Ballari.</p>
<p>Sri. Mgti Pampanagouda Joint Secretary V. V. Sangha, Ballari.</p>	<p>Sri. Byluvadigeri Yerriswamy Treasurer V. V. Sangha, Ballari.</p>	<p>Sri. Prabhu Swamy S M G B Member R.Y.M.E.C. Ballari.</p>

Sri. Badada Prakash
G B Member
R.Y.M.E.C. Ballari.

For further queries feel free to contact:

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Principal, HOD, Staff & Students of Dept. of Mechanical Engineering



INAUGURATION FUNCTION



V. V. Sangha's

Rao Bahadur Y Mahabaleswarappa Engineering College, Ballari.

INAUGURATION FUNCTION

The Inauguration began with the tradition of Lighting the Lamp and Invocation dance by the students group. The inauguration function was presided by **Sri Dr. T Hanumantha Reddy, Principal, Dr. Savita Sonoli & Dr. Kori Nagaraj HOD & Professor and Departmental faculties of Rao Bahadur Y Mahabaleswarappa Engineering College, Ballari, Chief guest Mr. Kiran Kumar, General Manager , Steel Making, JSW, Toranagallu**

Welcome address delivered by **Dr. Kori Nagaraj HOD & Professor, RYMEC, Ballari, Chief guest / resource person introduced by Dr. Kondekal Manjunath, Associate Professor, Mechanical Department, RYMEC, Ballari. Programme coordinator Dr. Chandragowda M, Associate Professor, Mechanical Department, RYMEC.**

Faculties & Students of RYMEC have attended the inauguration function.



Report on "Second Year - Student Induction Programme"– Department of Mechanical Engineering





1.1 Executive Summary

The Department of Mechanical Engineering at R.Y.M. Engineering College successfully organized the "Second Year - Student Induction Programme" for the newly inducted 3rd Semester B.E. Mechanical Engineering students on September 24, 2025. The program was designed to facilitate a smooth transition for students entering their core engineering studies, providing them with essential academic orientation, exposure to industry trends, and an understanding of the departmental ecosystem, including its commitments to Outcome-Based Education (OBE) and accreditation standards (NBA/NAAC A+). The event was graced by eminent industry leader **Mr. Kiran Kumar, General Manager, JSW Toranagallu**, and the visionary leadership of the institution, ensuring a highly motivational and informative start to the academic year.

Report on "Second Year - Student Induction Programme"

1.2 Programme Overview (Inaugural Session: 10:00 AM – 11:00 AM)

The Induction Programme was scheduled in three distinct sessions: The Inaugural Ceremony, an Industry Technical Session, and a comprehensive Departmental Orientation.

Session	Time Slot	Focus Area	Speaker/Coordinator
Session 1	10:00 AM - 11:00 AM	Inaugural Ceremony & Key Addresses	Dignitaries & Hosting Team
Session 2	11:15 AM - 12:45 PM	Industry Technical Talk	Mr. Kiran Kumar, GM, JSW
Session 3	2:30 PM - 4:30 PM	Departmental Orientation	HOD and Senior Faculty

1.3 Commencement and Opening Remarks

The program commenced sharply at 10:00 AM with the hosting of the ceremony by **Dr. Chandragowda M, Associate Professor, and Department of Mechanical Engineering**. Dr. Chandragowda extended a warm welcome to the esteemed gathering, setting an encouraging tone for the day. He emphasized the significance of the second year as a pivotal moment for students to commit to their academic and professional development, quoting the Indian proverb: "Yesterday's karma shapes today, but today's effort builds tomorrow," thereby positioning the induction as the foundation-laying step for their successful future.

CHAPTER 2: CEREMONIAL START AND WELCOME ADDRESS

2.1 Invocation Song

The formal proceedings began with a serene invocation song presented by students **Ms. Sanvi and Shlokha**. The soulful performance beautifully set an auspicious and focused atmosphere for the program, invoking blessings and establishing a sense of calm and reverence among the audience and dignitaries.

2.2 Welcome Address

Dr. Kori Nagaraj, Professor & Head of the Department of Mechanical Engineering, RYMEC, delivered the formal Welcome Address. Dr. Nagaraj welcomed the Chief Guest, the Governing Council Members, the Principal, faculty, and most importantly, the 3rd Semester Mechanical Engineering students. He highlighted the transition from general engineering studies to the core mechanical subjects, assuring the students of the department's unwavering support. He stressed the importance of discipline, continuous learning, and active participation in co-curricular activities, positioning the induction program as a crucial step in preparing them for industry challenges. His address served as an encouraging call to action for the students to pursue excellence.

2.3 Introduction of the Chief Guest

The task of introducing the esteemed Chief Guest, **Mr. Kiran Kumar, General Manager, JSW Toranagallu**, was entrusted to **Dr. K Manjunath, Associate Professor, MED**. Dr. Manjunath provided a detailed profile of Mr. Kumar, highlighting his extensive experience, leadership in one of India's leading steel manufacturers, and his significant contributions to the steel-making industry. The introduction underscored Mr. Kumar's role as an inspiring figure and a testament to the potential career trajectory for mechanical engineering graduates.

2.4 Ceremonial Lighting of the Lamp

Following the introduction, all dignitaries were invited to the dais for the symbolic **Ceremonial Lighting of the Lamp**. This sacred ritual symbolized the illumination of knowledge, learning, and the dispersion of

Report on "Second Year - Student Induction Programme"

darkness (ignorance). The moment was underscored by the resonant quote from Nelson Mandela: "Education is the most powerful weapon which you can use to change the world," emphasizing the transformative power of the journey the students were embarking upon.

2.5 Honoring the Chief Guest

In recognition of his distinguished presence and contribution to the program, the Chief Guest, **Mr. Kiran Kumar, General Manager, JSW Toranagallu**, was formally felicitated by the dignitaries on the dais. This act of honoring was a token of appreciation from the institution for the valuable time and industry expertise he was sharing with the budding engineers.



CHAPTER 3: ADDRESSES BY THE INSTITUTIONAL LEADERSHIP

3.1 Address by the Vice Principal

Dr. Savitha Sonoli, Vice Principal, RYMEC, addressed the gathering with an emphasis on institutional policies, academic discipline, and the holistic development of students. Her words focused on maintaining high academic standards, utilizing the college's resources effectively, and fostering a culture of innovation and responsibility. She encouraged students to approach their mechanical engineering coursework with passion and commitment, reminding them that they are now entering the specialized phase of their career preparation.

3.2 Address by the Principal

Dr. T. Hanumantha Reddy, Principal, RYMEC, delivered a highly motivating address. Dr. Reddy reiterated the institution's commitment to providing a world-class engineering education, aligning curriculum with industry demands, and upholding the standards necessary for national accreditation bodies like NBA and NAAC (A+ Grade). He motivated the students to be proactive, engage in research, and develop soft skills alongside technical expertise, ensuring they graduate as well-rounded professionals prepared for global competition.

3.3 Addresses by Governing Body Members

The ceremony was further enriched by the insights shared by the Governing Body Members.

- **Sri Prabhu Swamy, GB Member, RYMEC**, emphasized the importance of ethics and integrity in the engineering profession. He shared perspectives on the societal role of engineers and encouraged the students to become responsible contributors to the nation's technological advancement.
- **Sri Badada Prakash, GB Member, RYMEC**, focused on the infrastructure and resources available to the students. He assured the students of the management's continuous efforts to provide a conducive learning environment, state-of-the-art laboratories, and opportunities for industry exposure and skill enhancement.

3.4 Presidential Remarks

Report on "Second Year - Student Induction Programme"

The highly anticipated Presidential Remarks were delivered by **Sri Janekunte Basavaraj, Vice-President of V.V. Sangha and Chairman of the Governing Council, RYMEC, Ballari**. As the guiding light of the institution, his address provided a broader vision for the college and the department. He spoke about the legacy of V.V. Sangha, its commitment to quality education, and the crucial role Mechanical Engineering plays in the industrial sector. He encouraged students to leverage their potential, seek mentorship, and strive for academic and personal excellence, concluding with an encouraging message about the future of engineering.

3.5 Vote of Thanks and High Tea Break

The inaugural session concluded with the **Vote of Thanks** delivered by **Dr. K. Manjunatha, Associate Professor, MED**. Dr. Manjunatha expressed heartfelt gratitude to the Chairman, Governing Body Members, Chief Guest, Principal, Vice Principal, faculty members, and the enthusiastically participating students for making the inaugural session a grand success.

Following the vote of thanks, a short refreshment break (High Tea) was organized from **11:00 AM to 11:10 AM**, allowing students and faculty to network and prepare for the subsequent technical session.



CHAPTER 4:

SESSION 2 – INDUSTRY INSIGHT: OPPORTUNITIES IN STEEL-MAKING

4.1 Introduction to the Technical Session

The second session, which commenced at **11:15 AM** and lasted until **12:45 PM**, was the highlight of the day for the students, focusing on direct industry exposure.

The host introduced the session with the motivating quote, "**The best way to predict the future is to create it,**" framing the technical talk as a direct opportunity for students to shape their career path by gaining valuable insights from a top industry professional.

4.2 Keynote Address by Mr. Kiran Kumar (GM, JSW)

Mr. Kiran Kumar, General Manager, JSW Toranagallu, delivered the keynote address on the topic: '**Opportunities and Scopes in the Steel-Making Industry for Mechanical Engineering Graduates**'.

Core Content and Themes:

- **Modern Steel Industry Dynamics:** Mr. Kumar provided an in-depth look at the evolution of the steel industry, moving from traditional manufacturing to highly automated, technology-driven processes. He emphasized the adoption of Industry 4.0 principles, including IIoT (Industrial Internet of Things), predictive maintenance, and data analytics in modern steel plants like JSW.
- **Roles for Mechanical Engineers:** He detailed the specific and critical roles mechanical graduates play, including:
 - **Plant Maintenance and Reliability Engineering:** Ensuring the uptime and efficiency of heavy machinery, turbines, and rolling mills.
 - **Process Optimization and Automation:** Designing and implementing automated manufacturing lines and material handling systems.
 - **Thermal and Fluid Engineering:** Managing energy efficiency in furnaces and cooling systems.
 - **Design and R&D:** Developing new steel grades and improving operational metallurgy.

Report on "Second Year - Student Induction Programme"

- **Focus on Sustainability:** A significant portion of the talk was dedicated to **sustainable steel manufacturing**. He discussed JSW's initiatives in reducing the carbon footprint, utilizing renewable energy, and implementing cleaner production technologies, highlighting that future mechanical engineers must possess a strong understanding of environmental responsibility and sustainable design principles.
- **Career Trajectory and Skill Gap:** Mr. Kumar provided practical advice on bridging the industry-academia gap. He strongly recommended that students focus on developing core competencies in thermodynamics, solid mechanics, and manufacturing technology, coupled with essential soft skills such as problem-solving, teamwork, and communication. He concluded by encouraging students to pursue internships at JSW and other major companies to gain hands-on experience and prepare for recruitment.

The session was highly interactive, concluding with a dedicated Q&A segment where students eagerly sought clarification on career growth, interview preparation, and the technical challenges currently facing the steel sector.



CHAPTER 5:

SESSION 3 – COMPREHENSIVE DEPARTMENTAL ORIENTATION

The afternoon session, starting at **2:30 PM**, was dedicated to a detailed orientation by the senior faculty, providing students with a comprehensive understanding of the academic and support structure within the Mechanical Engineering Department. The session was introduced with the quote: **"The future belongs to those who believe in the beauty of their dreams,"** encouraging students to align their learning with their career aspirations.

5.1 Department and Curriculum Overview (Dr. Kori Nagaraj, HOD)

Dr. Kori Nagaraj returned to provide a detailed walk-through of the 3rd to 8th-semester curriculum. He elaborated on the Outcome-Based Education (OBE) model adopted by the department, explaining how Course Outcomes (COs) align with Program Outcomes (POs) and Program Specific Outcomes (PSOs). He showcased the department's sophisticated laboratory facilities, including the CAD/CAM Lab, Fluid Mechanics Lab, and Advanced Machining Centers, emphasizing the importance of practical, hands-on learning to reinforce theoretical concepts.

5.2 Alumni Association and Mentorship (Dr. C. Thotappa, PG Coordinator)

Dr. C. Thotappa, the PG Coordinator, provided an insightful introduction to the vibrant Alumni Association. He detailed the structure and activities of the association, stressing its value in student mentorship and career guidance. He highlighted that the alumni network is a crucial resource for students seeking industry insights, internship placements, and networking opportunities in India and abroad. The presentation included success stories of recent graduates, serving as powerful motivators for the 2nd-year batch.

5.3 CIIT, Internships & Student Forum (Dr. Kotresh Sardar)

Dr. Kotresh Sardar presented a session on external collaboration and skill development. The presentation covered three critical areas:

Report on "Second Year - Student Induction Programme"

- **CIIT (Centre for Industry-Institute Interaction and Training):** He explained how the center facilitates specialized training programs beyond the regular curriculum, focusing on cutting-edge technologies like CNC programming, Additive Manufacturing, and Robotics.
- **Internship Opportunities:** He provided guidelines and criteria for securing mandatory and elective internships, emphasizing that practical exposure is essential for graduation and placement success.
- **Student Forum:** The importance of the Mechanical Engineering Student Forum was highlighted, showcasing its role in organizing technical workshops, guest lectures, and competitions, thereby enhancing students' leadership and organizational skills.

5.4 OBE, NBA & NAAC Accreditation (Dr. Veerabhadrappe Algur)

The final departmental session was delivered by Dr. Veerabhadrappe Algur, focusing on the quality assurance framework of the department. He clearly explained the significance of **Outcome-Based Education (OBE)** as the pedagogical approach. Furthermore, he demystified the process and importance of **NBA (National Board of Accreditation)** and **NAAC (National Assessment and Accreditation Council) A+ accreditation**. He explained that these accreditations validate the quality of the department's education, curriculum, and faculty, making the students' degrees highly valuable and recognized nationally and internationally.

CHAPTER 6: PROGRAM OUTCOMES, CONCLUSION AND ANNEXURES

6.1 Programme Outcomes and Feedback

The Student Induction Programme successfully achieved its core objectives:

- **Academic Clarity:** Students gained a clear understanding of the 3rd Semester and subsequent mechanical engineering curriculum, including the practical expectations in labs and the OBE framework.
- **Industry Motivation:** The technical session by the Chief Guest provided direct, actionable insights into the high-growth steel-making sector, motivating students towards career-focused skill development.
- **Resource Awareness:** Students were fully informed about the support systems available, including the Alumni Association, the CIIT center for skill enhancement, and the importance of the department's accreditation status.

Informal feedback gathered from the students indicated a high level of satisfaction, particularly appreciating the relevance of the technical talk and the clarity provided in the departmental orientation.

6.2 Closing Remarks

The program concluded at **4:30 PM** with final closing remarks from the host, Dr. Chandragowda M. He extended a sincere vote of gratitude to all the dignitaries, faculty members, organizing committee, and especially the second-year students for their enthusiastic and active participation throughout the day. The concluding message reiterated the belief that the program had provided a strong and necessary foundation for their core engineering journey.

Submitted by:

Dr. Chandragowda M,
Student induction programme coordinator,
Associate Professor, Department of Mechanical Engineering,
RYMEC, Ballari.

THANK YOU