

AVCOE-ISHRAE Students Chapter.
DEPARTMENT OF MECHANICAL ENGINEERING.
AMRUTVAHINI COLLEGE OF ENGINEERING, SANGAMNER

To,
The President,
ISHRAE Pune Chapter.

Subject: Report of Expert lecture (Engineering Metallurgy) of Mr. Raghu Nair from Forbes Marshall pune, dated on Wednesday, 05th February 2020 ,at Class Room Number 101 Dronagiri Building .

Respected Sir,

As per above mention subject Department of Mechanical Engineering in association with ISHRAE organized expert lecture of Mr. Raghu Nair from Forbes Marshall,pune , on Wednesday, 05th February 2020 ,at Class Room Number 101 Dronagiri Building from 9:30 am to 12:30 pm.

The more details report is enclosed herewith.

Topic: Engineering Metallurgy (Materials used in HVAC as Case study)

Speaker: Raghu Narayan Nair Email: raghunarayannair1963@gmail.com Contact number: +91-020-9823035007, Number of participants: 102 (ISHRAE Members and students from Mechanical and Production Department)

This expert lecture with case study is arranged for AVCOE ISHRAE students and interested students from Mechanical & Production Engineering students. Felicitation of Mr Raghu Nair is done by Dr. V. D. Wakchaure (HoD) and Vote of thanks given by Prof Eknath T. Bayas (Event Coordinator).

Thanking You

Prof. E. T. Bayas
Faculty Advisor
AVCOE -ISHRAE Students Chapter

Event Photographs :



Felicitation of Mr. Raghu Nair by Dr. V. D. Wakchaure



Session Content delivery by Mr. Raghu Nair



Group photo with Mr.Raghu Nair

E. T. Bayas /K D Dagale

Faculty

Dr. V. D. Wakchaure

HOD

RAGHU NARAYAN NAIR

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Purchase, Strategic Sourcing, Manufacturing, Training

PROFESSIONAL SYNOPSIS

- ☐ An incisive professional with 32 years of performance-based progression to all levels of Purchase, Strategic Sourcing, New Product Development, Manufacturing and training in large corporate environment.
- ☐ Extensive experience in the development of new suppliers for new projects following NPD process. Skilled in conceiving and implementing cost saving measures to effectuate savings in terms of raw materials, manpower and machine utilization.
- ☐ Adroit in driving operational excellence in plant in a complex environment for the production of differentiated product mix. Possesses in-depth understanding of manufacturing processes, industry standards and sustainability audits.
- ☐ Experience in identification of new & cost-effective avenues to save costs. Resourceful in charting out new process for designing various innovative and quality-focused measures.
- ☐ Adept at undertaking indigenization initiatives for attaining significant savings, securing discounts and better service from suppliers.
- ☐ Proactive in assessing training and development needs and effectively aligning programs with business objectives. Strong training background includes curriculum development, classroom learning, staff development, etc.
- ☐ Demonstrated exceptional organization and service skills with a positive, professional attitude and a strong commitment to excellence.

CAREER SKETCH

Corporate Training Manager

Since April 2006

Forbes Marshall, who pioneers in Steam Engineering and Control Instrumentation

Role covers:

- ❖ Handling a team of training co-coordinators to ensure relevant training needs are identified across each level of the organization.
- ❖ Conducting detailed, designed, personalized and delivered along with effectiveness tracking of each of the trainings conducted.

The Highlights:

- ❖ Lead faculty for the six months course in steam engineering for fresh engineering graduates
- ❖ Involved in preparing steam engineering modules and conducting product trainings internally, both for the engineers and customers across all levels. The programmed is structured such that it includes min 25 hours of theory, 6 hours of practical , 2 hours of assignment and 3 hours of project work
- ❖ Designed workshop combining hands-on time on our unique simulation rigs, with relevant industry case studies and relevant theoretical inputs, through class room sessions.
- ❖ Ensured positive impact of the training function for customer service to be enhancement in functional, behavioral, soft skills, leadership skills and also enhanced knowledge of products and processes.

Resource person to the **Steam Engineering Center at the Faculty of Engineering, University of Peradeniya**: Providing courses on steam engineering practice and energy conservation for Energy Managers, Engineers, Technical Officers and Operators.

- ❖ Trained more than 500 Managers, Engineers and Technicians in the area of Steam Engineering and Energy Conservation.

PREVIOUS ASSIGNMENTS

Feb '01- April06

Supply Head

May '90- Feb 01

Materials Manager

Spirax Marshall Ltd.

May'90- April'06

Role covers:

Supply Chain Management

- ❖ Setting up internal warehouses to store necessary production items in order to meet production demands.
- ❖ Maintaining a strong communication chain between the different divisions in order to receive inquiries about status of materials, requisition, dispatch information and delivery status.
- ❖ Sustaining the freight and other expenses involved in imports & exports at the lower level through freight consolidation, and choosing appropriate shipping method and payment methods.

Purchase

- ❖ Formulating and implementing the annual strategies for purchase of materials.
- ❖ Looking into the scheduling and rescheduling of supplies.
- ❖ Undertaking budgeting and fund planning for procuring and sourcing of materials. Ensuring optimum utilisation of materials and working towards achieving maximum cost savings.

Vendor Management/ Development

- ❖ Setting up a reliable and efficient global vendor base after qualifying them on pre-defined parameters.
- ❖ Identifying vendors for the procurement of required spares, consumables, raw materials, etc.
- ❖ Entering into negotiations with vendors to procure various items/ raw materials (as per critical engineering requisition) at reasonable rates. Ensuring vendors comply with delivery, quality and supply norms.

Logistics Operations/ Strategic Planning

- ❖ Managing freight consolidation and planning. Developing routes for shorter delivery periods.

- ❖ Taking measures to curtail losses during transit.
- ❖ Managing and controlling logistics budget and expenses, as well as demand planning.

The Highlights:

- ❖ Steered functions in the entire manufacturing activities of the Company, including third party Inspection
- ❖ Played a key role in development of:
 - Second source for all major castings
 - Castings for new products.
 - Entire range of castings in Stainless Steel otherwise thought difficult.
- ❖ Significantly reduced:
 - Rejection of castings
 - Working inventory from 120 days to 60 days.
- ❖ Skillfully ran the raw material Stores with an accuracy of 98 % for about 10 years consecutively.
- ❖ Functioned as:
 - An in-charge of vendor development, material procurement and raw material stores.
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Section Engineer May'87	Greaves Cotton Ltd., Pune	May'84	-
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Role covers:

Production Management

- ❖ Preparing production schedules / plans; monitoring cost & time over-runs to ensure execution of production process within budget.
- ❖ Managing timely dispatches and ensuring the achievement of targets w.r.t. efficiency, rejection, downtime, resources deployment, etc.

Systems Implementation/ Value Engineering

- ❖ Undertaking business process re-engineering initiatives for continuous improvement by studying existing processes, analysing requirements and customising systems for enhancing performance.
- ❖ Instituting cost control measures & improving efficiency by implementing effective systems, implementing Value Engineering and controlling rejection levels.
- ❖ Implementing methodologies to improve the quality standards, productivity & delivery performance.
- ❖ Focussing on optimisation of process parameters; initiating process improvements for achieving bottom line objectives & productivity targets.

The Highlights:

- ❖ Functioned as an in-charge of the Shell Moulding section producing cylinder barrels.

TEACHING ASSIGNMENTS

The Highlights:

- ❖ Teaching & tutoring students on **Metallurgy & Production Engineering** (casting, forging and welding) to the undergraduate students.
- ❖ Responding to all classroom queries in a spontaneous manner with a view to foster a healthy learning atmosphere in class.
- ❖ Maintaining productive learning environment by stating classroom rules, holding students accountable for their actions, and implementing consistent and fair consequences.
- ❖ Preparing exercises, questionnaires, assignments for students at various levels.
- ❖ Reviewing numerous classroom assessment methods & techniques; adopting effective tools that are compliant with the educational board.

EDUCATION

1984	Bachelor of Engineering specialized in Metallurgy, University of Pune
1987	Post-Graduate Diploma in Materials Management from Symbiosis Institute of Business Management
2014	M.S in Manufacturing Management from BITS, Pilani.

TECHNICAL

- ❖ MS-Office Tools - Word, Excel and PowerPoint
- ❖ Making the e-learning modules at Forbes Marshall for all products:

OTHERS

- ❖ **Committee member of the Examiner's panel**, with the University of Pune, for the Bachelor of Engineering examinations.
- ❖ **Chief Faculty and Organizer** of the Steam Engineering workshops held at large Companies like Alfa Laval Ltd., Birla Cellulosic, Chambal Fertilisers, etc.
- ❖ Conducted training workshops in Energy Conservation for refineries - IOCL, MRPL & Kochi.
- ❖ **Visiting Faculty:**
 - To several Engineering and Management Institutes.
 - On Corrosion Engineering and Metallurgy to industries in Saudi Arabia.
- ❖ **Certified Lead Auditor for ISO 9001: 2008, OHSAS 18001:2007 AND ISO 14001:2004 Standards.**

PROFESSIONAL DIGEST

Date of Birth : 25th April, 1963

Nationality : Indian