

## **Institutional Distinctiveness**

### **Response:**

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The principal focus of an academic institution is either to disseminate knowledge by teaching or create new expertise by research. A Technological University like BIT Mesra aims to offer the most modern and effective engineering education conducive for developing innovative technology and produce the most competent and meritorious engineering graduates. As an enterprise is known by the quality of its products, BIT Mesra has earned its reputation and eminence by virtue of the quality of engineering education imparted, level of research and innovation contributed, and most importantly, eminence of engineering graduates or alumni produced over the years. Thus, the most distinctive contribution of BIT Mesra that may singularly highlight the significance and impact of its contribution to the society should undoubtedly concern the engineering education imparted and the number, quality and reputation of its alumni produced over the last six decades of its existence, who are now spread all over the globe.

### **Distinctive Academic Contributions:**

Academic initiatives of BIT Mesra that deserve special mention are:

- BIT Mesra carries a distinction of being one of the foremost Institutes of Technology in the country (ahead of all but only one IIT).
- BIT Mesra initiated a programme on Space Engineering and Rocketry ahead of country's flagship organization called ISRO, way back in 1964.
- BIT Mesra promoted the culture of all round engineering education at various levels starting from certificate course, diploma, graduation, post graduation all the way up to doctoral degrees.
- BIT Mesra has always upgraded its academic curriculum and teaching-learning exercise as per the prevailing norms, government directives and international standards. As a result, the graduates of this institution have always been the most sought-after engineers valued by the industries in the country.
- Besides advanced technological subject domains, BIT Mesra also imparted education for socioeconomic development of the rural and tribal population in the states of Bihar and Jharkhand.
- BIT Mesra is a rare university that houses a University Polytechnic besides various engineering departments and centres.
- BIT Mesra was a pioneer in establishing the first-ever Science and Technological Entrepreneurship Park (STEP) in the country as a part of the Small Industries Research and Development Organization (SIRDO) way back in 1974.

- In recognition of its overall contribution, BIT Mesra was the first institution in India to be granted autonomous status in 1970s.
- It is worth mentioning that all the laboratories, workshops, research facilities and design centres of BIT Mesra are equipped with the most modern and sophisticated machines, instruments and facilities like electron microscope, diffraction and spectroscopy units, CNC lathe, precision mechanical processing instruments, modern VLSI laboratory, advanced communication and signal processing facility, wind tunnel, animal house and tissue engineering laboratory, drug design and testing laboratory, high performance computing (HPC) facility and design and innovation workshops.

### **Illustrious Alumni of BIT Mesra:**

Alumni of the Institute in terms of their national and global level credentials present the most convincing evidence of the quality of human resources developed, as envisaged in the Vision and Mission Statement of the Institute. Thus, the performance of the Institute in terms of distinctive area claimed is most aptly indicated by the following list of selected illustrious alumni of BIT Mesra:

- Mr. Rohit Prasad [BE(ECE), 1993-97 Batch], the man behind Alexa, one of the most sought-after inventions of Amazon, is currently the Senior Vice President and Head Scientist for Alexa at Amazon. (Degree, dept, year)
- Mr. Sanjay Nayak [BE(ECE), 1981-85 Batch], the CEO & MD of Tejas Network is considered a leader in the world in network switches.
- Mr. Amit Chaudhary [BE(IT), 2005-09 Batch], is the Co-Founder of Lenskart, a global business house in optical lenses.
- Dr. Ganesh Natarajan [BSc(Mechanical), 1973-78 Batch], the Founder of 5F World, a platform dedicated to investment and mentoring of start-ups, skills platforms and social enterprises, is the Chairman of Honeywell Automation India Ltd, Skills Alpha, Pune City Connect and the Lighthouse Communities Foundation. Dr. Natarajan is the co-Founder of Global Talent Track, Kalzoom Advisors and Center for AI and Advanced Analytics.
- Dr. Arshinder Singh Chawla [BE(CSE), 1984-88 Batch], IPS, the recipient of the President Police Award Winner, is the Additional Director General of Police with Haryana Cadre
- Ms. Nancy Sahay [BE(ECE), 2007-11 Batch], currently the CEO Jharkhand State Livelihood Promotion Society is an IAS of 2013 Batch.
- Mr. Naman Priyesh Lakra [BE(ECE), 2006-10 Batch], is presently the Tribal Welfare Commissioner and Managing Director of State Tribal Cooperative Development Corporation of Jharkhand

- Professor Dr. Shree K Nayar [BSc(Electrical), 1980-84 Batch], is currently the T. C. Chang Professor at Columbia University and is considered a global leader in the field of computer vision, graphics and image processing.
- Professor Sunil Sinha [BE(Civil), 1982-86 Batch], is the Professor & Director, Sustainable Water Infrastructure Management (SWIM) Center at Virginia Tech.
- Shri E.V.S. Namboodiry [ME(SER), 1967-68 Batch], served as a former Deputy Director LPSC (ISRO)
- Shri A. K. Charkrabarty [ME(SER), 1972-74 Batch], as the former Director DRDL (DRDO)
- Padmshree M.C. Dathan [ME(SER), 1984-86 Batch], served as former Director SDSC(ISRO) and Director VSSC(ISRO)
- Gopalan Jagadeesh [ME(Mech), 1990-92 Batch], currently Professor Aerospace Engineering, IISc Bengaluru
- Prof. K.P.J. Reddy [PhD(Phy), 1975-80 Batch], retired faculty, IISc Bengaluru

In a nutshell, the distinctive performance of BIT Mesra as a measure of its outcome is most convincingly exemplified by the above cited academic contributions, pioneering efforts in research, and above all, a selected list of most illustrious alumni who are domain leaders and pioneers by their own right.