

**DASSAULT SYSTEMES
CENTRE OF EXCELLENCE
(Collaborative Learning and Innovation Centre)**

ROLES, RESPONSIBILITIES AND FUNCTIONS

of

ADVISORY BOARD

**DEPARTMENT OF MECHANICAL ENGINEERING
N.B.K.R. Institute of Science & Technology :: Vidyanagar
(Autonomous)
COLLEGE WITH POTENTIAL FOR EXCELLENCE (CPE)**

Affiliated to JNTUA, Anantapuramu.

Accredited by NAAC with 'A' Grade.

B.Tech. (ECE, EEE, CSE, CE, ME) Courses Accredited by NBA under TIER-I

Aim

The aim of the Dassault Systemes COE Advisory Board is to support and guide the Mechanical Engineering students and faculty members to enhance the Industry need skills in the CAD/CAM/CAE with the rapidly changing scenario in industry.

About the Institute

The Institute is managed by "Harijana Vidarthi Udharaka Sangham", a society meant for the welfare of the under privileged. The society was formed in 1938 by Late. Padmasri Nedurumalli Balakrishna Reddy for the uplift and development of the poor and the deprived, including untouchables.

NBKR Institute of Science & Technology established in 1979 is an Autonomous Institute affiliated to JNT University Anantapur. This Institute is reaccredited by NAAC (UGC) for the second cycle with "A" grade. All B.Tech courses are accredited by National Board of Accreditation (NBA).

The Institute offers B.Tech. programmes in Computer Science & Engineering, Electronics & Communication Engineering, Electrical & Electronics Engineering, Mechanical Engineering and Civil Engineering. M.Tech programmes are offered in Power Systems, Computer Science & Engineering, Digital Electronics & Communication Systems, Advanced Manufacturing Systems. The Institute has an R&D Cell and recognized research centres of JNT University Ananthpur offering Ph.D programmes.

The Institute is spread across a lush green 200 acre campus that houses academic blocks, Boys and Girls hostels, Open air auditorium, sports complex, staff quarters etc. The Institute focuses on skill and professional development of the graduates through student run clubs, technical associations. Professional chapters like IEEE, ISTE, IETE, CSI, SAE, IE, QCF help our students to run several activities.

Department laboratories and Computer Centre has state-of-the-art equipment to fulfil the needs of the researchers, students and faculty. The central library is well-stocked with books, journals, magazines and news papers. It subscribes thousands of e-journals, e-books. The e-resources can be accessed through the campus network.

There are adequate opportunities for co-curricular and extra-curricular activities helping students gain overall skills. Industrial visits and relevant field visits arranged by us expose the

students to practical learning experience. Industry Institute Partnership Cell (IIP Cell) caters the needs of the Institute and Industry by way of internships, consultancy.

About the Mechanical Department

Mechanical Engineering Department was established in the year 1979. The department has been successful in producing the brilliant and well trained Engineering graduates. Department is recognized as JNTUA research centre. Department has well qualified and experienced faculty and supporting staff. The Department has well established laboratories with state-of-art technologies to fulfill academic and research needs of the students.

About DASSAULT SYSTEMES 3DEXPERIENCE

Dassault Systemes (DS) 3DEXPERIENCE (3DS) company provides virtual universes to imagine sustainable innovations. Its world-leading solutions transform the way products are designed, produced, and supported. Dassault Systemes collaborative solutions foster social innovation, expanding possibilities for the virtual world to improve the real world. More than 25 million innovators and 220,000 customers use Dassault Systemes 3DEXPERIENCE universes to imagine, invent and deliver disruptive solutions that advance sustainability in domains as large as energy, mobility, cities, life sciences and high-tech. Dassault Systems is clearly the world-leader in offering Product Lifecycle Management Solutions. Leading companies and educational institutes across the world use Dassault Systemes solutions. 3DEXPERIENCE platform is the platform of reference to imagine sustainable innovation, in domains as wide as mobility of the future, energy transition, life sciences and cities. Currently solutions and services of Dassault Systemes are being accepted in 12 different industries. Dassault Systemes India is a 100% subsidiary of Dassault Systemes, France. Currently DS solutions are being used by over 3000 organizations in India.

Objectives of Dassault Systemes 3DS Centre of Excellence

The COE aims to

- Provide Skills and expertise on DS products and technologies.
- Increase students and individuals employability.

- Improve recognition in the industry.
- Support industrial and academic research.
- impart International level training in the fields CAD/CAM/CAE
- enhance knowledge and research of the Faculty community to face the challenges of global competition.
- Encourage students to get more industry internships
- Encourage students to solve real time projects.
- Recognize certified Dassault training centre.
- Train for DS certification - great potential for better paid job opportunities.
- To produce Industry ready Engineers with Knowledge and skill in the field of design and innovation.
- Provide job priority in Industries over other students.
- Develop technologically new products/processes for industry.

Roles of the Advisory Board members

The Dassault Systemes Center of Excellence identified a qualified and robust team of industry professionals and alumni to act as advisors. They were chosen because of their strong initiatives, projects, and research.

The Department convenes the advisory board annually to provide external advice regarding priorities and directions for engineering education and research. Realizing that advisory board members lead extremely busy lives, it is expected that members can make at meeting a year. In between meetings Advisory Board members are asked to help promote COE on campus to upper administration and throughout the alumni and/or business community. Depending on expertise, individual Board members may also be occasionally asked to serve on task groups addressing students and faculty on their expertise.

The rewards of serving on the COE Advisory Board are many. Foremost is the satisfaction of seeing the growth and success of COE in helping students learn about themselves, their fellow students, and their environment. Advisory Board members are invited to join

Finally, Board members find that serving with a group of like-minded, sharp, and adventure-loving colleagues is fun and inspiring in and of itself

Objectives of the Advisory board

The Advisory Board provides an external advice regarding priorities and directions for education and research of the student and faculty community. The objectives of the advisory board members are

- To Support the centre to grow steadily and has to develop close ties with a large number of industries in private as well as public sectors.
- To guide the faculty community to improve the quality of research and human resources as well as better infrastructure development.
- To support the Institute in the form of greater financial sustainability.
- Widening and effectively implementing the area of R&D between the industries and the Institute.
- To arrange need based training programme in industries.
- Encourage industry and organizations to support for placement and training of students.
- To guide industrial need training for students and identify student project work in industries relevant to industry need.
- To interact with R & D Organizations for conducting joint research work.
- To improve CoE students life through cooperation and communication among the CoE student body, faculty, alumni association, and industry representatives.
- To get CoE to involve specific fields of study as well as organizations that are based on inter-department collaboration.
- To open doors for professional development, networking opportunities, community outreach, volunteering, and mentoring.
- To support, help and guide one of the premier collegiate outdoor programs.

Constitution of the board

Advisory Board constituted with experts from Industry and academia, and includes both alumni and other individuals who are interested in the success of rural students.

INDUSTRY EXPERTS

S.No	Name and affiliation of the Member	Status
1.	Dr. Harish Pant Managing Director, Thinker, Advisor, Mentor, Speaker, Author, Poet and Sustainability Evangelist Hampson Industries Pvt. Ltd. Ecole Superieure Robert de Sorbon, France Bengaluru, Karnataka, India	Accepted
2.	Sri. Nagaraj Gopalachar	Accepted

	Social Entrepreneur, Group CEO SME OneSource Strategies Pvt. Ltd., SME OneSource Strategies Pvt. Ltd., Bengaluru, Karnataka, India	
3.	Sri. Hari Adavalli, Head - Electro Mechanical Operations (Aerospace Solutions) and Chief Consultant at Cyient Limited Hyderabad, Telangana, India Aviation & Aerospace	Accepted
4.	Sri. Rajani Kanth Chundi, Director, IC Engineering India Pvt Ltd., IDC Engineering India Pvt Ltd., Email: raj-chundi@idc-tech.com	Accepted
5.	Sri. Shivkumar Gummadi Director, Operations, IDC Engineering India Pvt Ltd., Bangalore	Accepted
6.	Dr.N.Balaramakrishna, Sr. Engineer, Mahindra and Mahindra, Chennai.	Accepted
7.	Dr.B.Simhachalam, DGM, Corporate Technology Centre, Tube Investments of India, Murugappa Group.	Accepted
8.	Sri. Apparao P Venkata Senior Technical Manager Cyient, Bengaluru.	Accepted
9.	Sri. Sainath Nunna, FEA analyst, Nobel Automotive Pvt. Limited Hyderabad.	Accepted
10.	Sri. Prabhu Guru Junior Design Engineer <u>BFG International Pvt. Ltd.</u> Tada.	Accepted
11.	Sri. K.V.Ravi kumar National Manager – Technical Training, EDS technologies, Bangalore.	Accepted
12.	Sri. Kaladar DGM- Technical Support EDS technologies, Chennai.	Accepted
13.	Sri.J.Chandra Bose, Regional Sales Manager Engineering solutions EDS technologies, Chennai.	Accepted

ACADEMIC EXPERTS

S.No	Name and affiliation of the Member	Status
1.	Sri. Srinivas Jamkhandi	Accepted

	Director at IISc - MSME Centre of Excellence IISc - MSME Centre of Excellence B. M. S. College of Engineering Bengaluru, Karnataka, India	
2.	Sri. Suresh Nagesh Ph.D PES University Campus 100 Feet Ring Road, BSK III Stage, Bengaluru – 560085	Accepted
3.	Dr. K.Hemachandra Reddy Professor, Dept. of Mechanical Engg. JNTUA Ananthapuramu	Accepted
4.	Dr. D. S. Srinivasu, Asst. Professor, Dept. of Mechanical Engineering, IIT Madras.	Accepted
5.	Sri. R. Thirumaleswara Naik, Scientific Officer, Department of Mechanical Engineering, Indian Institute of Science, Bengaluru-560012, India. rtnaik@mecheng.iisc.ernet.in Permanent Email ID : rtnaik.iitd@gmail.com	Accepted

Institutional Members

S.No	Name and affiliation of the Member
1.	Sri.N. Ram Kumar Correspondent, N. B.K.R. I.S.T., Vidyanagar
2.	Dr. V. Vijaya Kumar Reddy Director, N.B.K.R.I.S.T., Vidyanagar
3.	Dr. CH R. Vikram kumar Prof & Head, Department of Mechanical Engineering, Vidyanagar