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PREAMBLE

There are revolutionary changes taking place in the paradigm of teaching-learning process brought out by the availability of new methodologies/technologies for knowledge sharing, and the new context and pressures of increase in and variety of the student population, not to talk of the gradual globalization of the education process itself. Under these circumstances it is essential for the teaching fraternity to hone their existing skills, develop new skills, and learn the nuances of the art, philosophy and science of teaching so that the teaching-learning process becomes more enjoyable, creative and productive, for both the teachers and students. There is need to connect three vital elements of education viz. faculty, student and the process for evolving right mix of solutions among the variety of approaches which significantly vary in different ambience. This faculty development programme (FDP) is devoted to addressing the need to enhance the knowledge about the latest Outcome Based Education (OBE) and is open for Faculty members of engineering colleges.

NATIONAL INSTITUTE OF TECHNOLOGY SRINAGAR



FACULTY DEVELOPMENT PROGRAMME

on

Outcome Based Education

18th May – 22nd May, 2019

Sponsored by

TEQIP-III (Technical Education Quality Improvement Programme)



Organized by

DEPARTMENT OF MECHANICAL ENGINEERING

National Institute of Technology, Srinagar (J&K), India

An autonomous Institute of National Importance under the aegis of Ministry of Human Resource & Development (MHRD)

www.nitsri.ac.in

ABOUT THE INSTITUTE

National Institute of Technology, Srinagar is one of the **thirty** one NITs in the Northern Regions of the country, established in 1960 as Regional Engineering College under Government of India during the 2nd five year Plan. The Institute acquired the status of National Institute of Technology with deemed to be University status during August, 2003 and attained full autonomy in its Academics. The Institute is situated at the banks of world-famous Dal Lake, with the far-famed Hazratbal Shrine on other side of the campus. There are eight Boys and two Girls hostel which have a capacity to accommodate about 2000 students. Besides running the B.Tech Programme the Institute also offers M.Tech. programme in many streams. In additions to that a large number of students are registered for M.Phil and Ph.D Programmes in different disciplines.

VISION OF THE INSTITUTE

To establish a unique identity of a pioneer technical Institute for NIT Srinagar by developing a high quality technical manpower and technological resources that aim at economic and social development of the nation as a whole and the region in particular keeping in view global challenges.

MISSION OF THE INSTITUTE

1. The broad mission of NIT Srinagar is to create a strong and transformative technical educational environment in which fresh ideas, moral principles, research and excellence nurture with international standards.
2. Technically educated and broadly talented engineers, future innovators and entrepreneurs, graduate with understanding the needs and the problems of the industry, the society, the state, and the nation.
3. We promise to inculcate the highest degree of confidence, professionalism, academic excellence and engineering ethics in budding engineers.

AIM AND SCOPE OF THE FDP

This Faculty Development Program primarily focused on programme accreditation by NBA. NBA has introduced a new process, parameters and criteria for accreditation which increasingly make it mandatory for all engineering programs to implement Outcome Based Education (OBE). Our present teaching learning processes are geared towards old Input-based model rather than new Outcomes-based model. There is an urgent need of changing our instructional methods for effective delivery of OBE. Main objective of this FDP is to educate the young as well as senior faculty members on how to reorient their teaching learning processes to implement OBE in both letter and spirit. Articulation of course outcomes for a particular course, various direct and indirect assessment techniques and their evaluation will be covered in detail in this FDP.

COURSE CONTENTS

This course contains brief knowledge of all criteria of self-assessment report for NBA accreditation. It will be provide a clear and coherent acquaintance of NBA accreditation. It will be cover following contents:

- Outcome based Education
- Vision, Mission and Program Educational Objectives
- Program Curriculum and Teaching-Learning Processes
- Course Outcomes and Program Outcomes
- Faculty Information and Contributions
- Facilities and Technical Support
- Continuous Improvement
- First Year Academics
- Student Support Systems
- Governance, Institutional Support and Financial Resources

RESOURCE PERSONS

Eminent academicians and NBA experts from top-notch Institutions viz. NITs, NITTR, Central universities and other premier institutions shall enlighten the participants during the programme.

PARTICIPANTS

The faculty members from institutions affiliated to AICTE/MHRD are welcome to apply for the programme.

Note: The programme is compulsory for regular and contract faculty in NIT Srinagar.

REGISTRATION FEE PARTICULARS

There will be **no registration** fee for faculties of NIT Srinagar and it is mandatory for them to attend the FDP.

Faculty/Academician other than NIT Srinagar: **Rs. 5000/-**

HOW TO APPLY

The interested candidates need to apply on the address of the coordinator in the prescribed format through proper channel. The registration process will be completed only when the registration form is received. Interested candidates must email the advance scanned copy of their registration form along with the copy of demand draft in favor of "Coordinator TEQIP III, NIT Srinagar" payable at Srinagar.

For more details about FDP course please visit: <http://new.nitsri.ac.in>



National Institute of Technology Srinagar

Faculty Development programme (FDP) on "*Outcome Based Education (OBE)*"

Programme Schedule (18May to 22May 2019)

Time/Date	18-05-2019 Saturday (Day 1)	19-05-2019 Sunday (Day 2)	20-05-2019 Monday (Day 3)	21-05-2019 Tuesday (Day 4)	22-05-2019 Wednesday (Day 5)
Department	Metallurgical & Material Engg. , Chemical Engg.	Chemistry, Physics, Mathematics, Humanities & First Year Academics	Mechanical Engineering	Electrical Engg. & Computer Science Engg.	Civil Engg., Electronics & Communication Engg. and Information Tech.
10:00 a.m. - 11:15p.m	Registration, Inauguration Topic: Teaching learning process Speaker: Prof. V. Rastogi	Topic: Teaching learning process Speaker: Prof. V. Rastogi	Topic: Teaching learning process Speaker: Prof. A. N. Siddiquee	Topic: Teaching learning process Speaker: Prof. J S Saini	Topic: Teaching learning process Speaker: Prof. J S Saini
11:15-11:30 am	Break				
11:30 am- 01:00 pm	Topic: Facilities and Technical Support, Continuous Improvement Speaker: Prof. V. Rastogi	Topic: Facilities and Technical Support, First Year Academics Speaker: Prof. V. Rastogi	Topic: Facilities and Technical Support, Continuous Improvement Speaker: Prof. A. N. Siddiquee	Topic: Facilities and Technical Support, Continuous Improvement Speaker: Prof. J S Saini	Topic: Facilities and Technical Support, Continuous Improvement Speaker: Prof. Sudhir Kumar
01:00-2:00 p.m	Lunch Break				
2.00-03:30 p.m	Topic: CO PO assessment and attainment Speaker: Dr. R. Kumar	Topic: CO PO assessment and attainment, Students' Performance Speaker: Dr. R. Kumar	Topic: CO PO assessment and attainment ,Students' Performance Speaker: Prof. A. N. Siddiquee	Topic: CO PO assessment and attainment Speaker: Prof. J S Saini	Topic: CO PO assessment and attainment Speaker: Prof. Sudhir Kumar
03:30-03:45 pm	Break				
03:45-05:00 pm	Topic: Students' Performance Speaker: Dr. R. Kumar	Topic: OBE overview Speaker: Prof. A. N. Siddiquee	Topic: Students' Performance Speaker: Prof. J S Saini	Topic: Students' Performance Speaker: Prof. J S Saini	Valedictory Function

Coordinators

Dr. M. D. Sharma (Assistant Professor), Dr. H. S. Pali (Assistant Professor), Dr. M. M. Khan (Assistant Professor), Dr. N. Z. Khan (Assistant Professor)