

**Training and Initiation of NBA accreditation process
for the faculty members of
Jorhat Engineering College, Jorhat-785007, Assam
From 29th January to 1st February 2018**

For a training session on NBA accreditation process the following dignitaries

Dr. M.S. Raviprakash - Vice Principal and Prof. of E&E Engg.

Dr. C.V. Venkatesh - Dean (PG), Prof. & HOD, Dept. of Mech. Engg.

Dr. H.S. Mohana - Dean (HS), Prof. and HOD, Dept. of E&I Engg.

Dr. G. Shivakumar - Prof. of E&I Engg. and NBA Coordinator

of mentor institution Malnad College of Engineering, Hassan, Karnataka State, have visited Jorhat Engineering College, Jorhat-785007, Jorhat, Assam, from 29th January to 1st February, 2018.

On 29th January 2018, from almost 03.30 PM, Dr. M. S. Raviprakash has given an introductory lecture on NBA accreditation process under Tier 2 including (1) Pre-Qualifier and (2) SAR Submissions, along with document preparations and preservation. At first he presented and explained requirements for preparation of Part A i.e. Profile of the institution (i.e. Institutional Details, Head of Institution, Affiliating University Details, Campus Details, Students' Admissions, Programs Offered, Programs seeking accreditation, etc.) and Part B i.e. Department-wise information (i.e. About the Department, Students' Admissions, Details about HOD, Information about faculty, Details of Staff, Faculty and Students' Achievements, STR/FSR, FCR, Placement Ratio, etc.). After that he explained the requirements for compliance status to pre-qualifiers (i.e. Essential qualifiers, Desirable parameters and the NBA evaluation criteria for Tier II institution UG programs for 6 years and 3 years. After this he has presented a summary of NBA SAR format – UG (T2) i.e. Criteria 1 to 10. He has also explained the details of requirements under Criteria 1 to 7.

On 30th January 2018, from 09.30 AM, Dr. M. S. Raviprakash reviewed briefly the requirements under Criteria 1 to 7, and thereafter explained the details of requirements under Criteria 8 to 10.

On 30th January 2018, from 11.00 AM, Dr. G. Shivakumar has given a lecture on "How to set in motion the NBA preparations?". He suggested the following to start

immediately:- (1) Create Batch wise Online Group of current and passed out students at the Department level (Preferably Google groups); (2) Create a blog to share the innovative teaching practices by the faculty; (2) Start professional society chapters of our program and do activities; (4) Establish a project laboratory in the department; (5) Develop/State Outcomes; and (6) Prepare Course Files. He has explained the term accreditation based on program outcomes and the benefits of accreditation. He has explained the different levels of outcomes i.e. Program Educational Objectives (PEOs), Program Outcomes (POs), Program Specific Outcomes (PSOs) and Course Outcomes (COs). After this he explained about Self Assessment Report (SAR) and how to prepare this based upon Department/Program level criteria (1 to 7) and Institute level criteria (8 to 10). He has explained about preparation of COs using Bloom's taxonomy of active verbs based upon 6 levels. He suggested that the UG level COs should be prepared using active verbs mostly based upon levels 1 to 3 only, and such that these can be attainable through UG students. He has explained about three different methods of setting CO attainment target and computation of CO attainment by the students through different tests, and then computation of CO attainment gap. After that he explained about developing plan for closing CO gaps or for enhancement of CO targets if gaps are negligible. Then he explained about computation of PO-PSO attainment through CO-PO/PSO matrix, through projects and through other activities. He also explained about setting targets for PO/PSO attainment and computation of PO/PSO attainment gap. He also explained about developing plan for closing PO/PSO gaps or for enhancement of PO/PSO targets if gaps are negligible. At last he has presented a few examples of all the works e.g. Vision and Mission example, PEOs example, POs/PSOs example, COs example, Example of mapping COs with POs and PSOs, Example of computing strength of CO-PO/PSO mapping, Example of setting CO target and computing CO attainment. Then he discussed about the process of CO attainment for theory and laboratory courses through Continuous Internal Evaluation (CIE) and Semester End Examination (SEE). He also explained about attainment of POs through Direct Assessment via different tools (i.e. performance of students in CIE1, CIE2, CIE3, Quiz, SEE of theory and lab courses, Main and Mini project works, and seminar presentations). He also explained about attainment of POs through Indirect Assessment (i.e. through student feedbacks and survey questionnaire, Exit feedback, Alumni feedback, etc.). Then he explained the computation of final PO/PSO attainment

from 80% direct and 20% indirect assessment. Then he has presented two examples of PO/PSO attainment for two academic years.

On 30th January 2018, from 02.30 PM,

Dr. H. S. Mohana visited the Department of Electrical Engineering.

Dr. C.V. Venkatesh visited the Department of Mechanical Engineering

Dr. G. Shivakumar visited the Department of CSc & Engineering and Civil Engg.

During this visit they initiated a hands-on practice to prepare COs of courses that they are teaching at present.

On 1st February 2018, from 10.00 AM, Dr. Dr. H. S. Mohana and Dr. G. Shivakumar reviewed briefly the NBA requirement. The exit meeting end at 12.00 Noon.

We, all the faculty members of Jorhat Engineering College, are very grateful and thankful to all the above dignitaries of Malnad College of Engineering, Hassan, Karnataka State.



Photographs: Training and Initiation of NBA accreditation process From 29th January to 1st February 2018