



IMS ENGINEERING COLLEGE

Date: 27th September, 2018

To,
The Director
All Affiliated Colleges of AKTU

As per letter of Hon'ble Vice Chancellor, Dr. A.P.J. Abdul Kalam Technical University, Lucknow bearing No.AKTU/VCO/2018/9789 dated 18th September, 2018, IMS Engineering College has been entrusted to work as Nodal Centre for developing MOOC courses in the area of Computer Science/Information Technology. The purpose of developing these MOOC courses will initially be for those subjects, which are fundamental subjects of Computer Science/Information Technology and then to take it up with other important subjects. As discussed during the meeting of Directors' Meet at University office at Noida/Lucknow as well as subsequent Committee Meeting on the subject at AKTU, Lucknow on 12.09.2018, the following major points emerged:

1. Initially each stream will take 4 subjects which are basic subjects of that discipline. Understanding of these subjects is critical for students for doing well in placement activity as well as in their future career.
2. In each subject, there will around 20 key topics to be covered.
3. Broadly the MOOC will cover the AKTU syllabus.
4. Each topics we have minimum 20 minutes and maximum 30 minutes duration in the MOOC as module. Each module will be interlinked with the other modules so that learning happens step-by-step.
5. MOOC being developed at AKTU platform is not necessarily a replacement of similar courses available at NPTEL Edx and other online platforms. The MOOC module being development by AKTU platform will be used as a supplement of classroom teaching. Hence, it should clarify concept/theory, solve problems using tutorial/ algorithms, application with examples.
6. We have identified following 4 subjects based on the discussion with some HODs and faculty at NCR region and details of contents of these subjects are covered in the enclosure:
 - i) Data Structures Using C & Python
 - ii) Design and Analysis of Algorithms
 - iii) Digital Logic Design & Computer Organization
 - iv) Database Management Systems



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HOD of your college may also give his/her comments on the contents of the subject what to be added or deleted.

7. Language of MOOC should be simple, easy to understand by average student of Uttar Pradesh state.

Very few colleges has sent us name of the faculty till date. However, we request you to nominate 1 or 2 best faculty who have taught these subjects atleast 4 times and should have minimum 5 years teaching experience.

Your nominated faculty should send us 1 demo video of minimum 5 to 10 minutes on any topics of the 4 modules enclosed herewith.

Based on the review of the video sent by respective faculty, we will shortlist the faculty who will be finally considered for joining the team of faculty for each module development and recording at studio at Noida/Lucknow.

Please send us the video, faculty name and comments, if any, by 15th October, 2018.

Thanking you,


(Dr. Sraban Mukherjee)
Director

Encl: As above.

Director @ imsec.ac.in

