

# GOVERNMENT ENGINEERING COLLEGE BANKA-813102

Dr Nirmal Kumar  
M Tech (IIT Delhi), PhD (IIT Delhi)  
Chartered Engineer  
Principal

E Mail: [nirmalmit@rediffmail.com](mailto:nirmalmit@rediffmail.com)  
[/principal@bcebhagalpur.ac.in](mailto:/principal@bcebhagalpur.ac.in)

Ref: 257

Dated: 30/09/2020

## OFFICE ORDER

As per AKU Patna notification No. 005/Exam/1060/AKU/2019/Vol. II-2194 dated 04.08.2020, the students of 5<sup>th</sup> Semester should go for Internship of two credits from one open source software (FOSS) as mentioned below:

DWSIM, SCILAB - Aurdino, R, Open Modelica, P L C, CFD, OSDAG, Open FOAM  
Python, Blender, Blockchain, eSim, Web Development, Drupal etc

Further, VII Semester students should go for one credit Virtual Lab available on website of MHRD. This credit will be part of a VII/VIII semester Major Project.

The programme of aforesaid two courses will be reported to the AKU Patna on completion of the same

It may be treated as most urgent

*(Handwritten signature)*

**(Dr. Nirmal Kumar)**  
**Principal**  
**GEC Banka**



# ARYABHATTA KNOWLEDGE UNIVERSITY

Mithapur, Patna - 800 001

E-mail:- akuniv10@gmail.com

## Notification

As per resolution taken by an internal committee, the University allows inclusion for atleast one open source software (FOSSEE) and one Virtual Lab in regular Curriculum of M.Tech./ B.Tech. Courses of Aryabhatta Knowledge University, Patna subject to post-facto approval of the Academic Council as under:-

- A. One open source software (FOSSEE) available on website of MHRD, Government of India should be included in following manner:-
- With Two Credits in V Semester of B. Tech. programme of the University for each Branch. This credit will be a part of Internship of VI Semester.
  - With Two Credits in III Semester of M.Tech. Programme of the University for each branch. This Credit will be as a part of Dissertation.
- B. One Virtual Lab available on website of MHRD, Government of India should be included in the following manner:-
- With One credit in VII Semester of the B.Tech. programme of the University for each Branch. This credit will be a part of VII/VIII Semester Major Project.
  - With One credit in III Semester of M.Tech. Programme of the University for each branch. This credit will be included as a part of Dissertation.
- C. The Progress of aforesaid two courses shall be reported to the University on completion of the same.

This is hereby notified with immediate effect.

By order of the Vice-Chancellor

Sd./-

Registrar (I/c)

Aryabhatta Knowledge University, Patna

Memo no. : 005/EXAM./1060/AKU/2019/VOL-II-2194

Date: 04.08.2020

Copy to:

- PA to the Vice-Chancellor, PVC Office, Registrar Office, Controller of Examinations and Finance Officer, Aryabhatta Knowledge University, Patna for information.
- To Principals/Director of all Affiliated Engineering Colleges of AKU, Patna.
- Shree Vishal Ratan Kumar, web programmer to upload the notification on the University website for providing link for both the courses on ~~the~~ ~~the~~ ~~websites~~.

Registrar (I/c)

Aryabhatta Knowledge University, Patna

## Adding open Source Software



### About FOSSEE

FOSSEE (Free/Libre and Open Source Software for Education) project is funded by the National Mission on Education through ICT, MHRD, Government of India. The FOSSEE team works on 'Adaptation and development of Open Source simulation packages equivalent to proprietary software', and is based at Indian Institute of Technology Bombay.

### Projects



DWSIM



Scilab



R



Python



OpenModelica



CFD



eSim



Osdag

### Activities

- Textbook Companions
- FOSSEE Forum
- Lab Migration
- Conferences
- Workshops
- Spoken Tutorials

### Textbook Companion

The Textbook Companion (TBC) activity aims to port solved examples from standard textbooks using any Free/Libre and Open source software (FLOSS).

The objectives of this project are to:

- Make individuals learn FLOSS through a practical approach
- Provide a huge database of Textbook Companions as a learning resource
- Make it easy for users of such textbooks to start using FLOSS
- Improve the documentation available for FLOSS

### Lab Migration

We help colleges to shift labs based on proprietary tools to FLOSS.

The Lab Migration team helps in:

- Coordinating lab migration to FLOSS only labs
- Providing solutions to the lab's problem statements
- Supporting workshops for faculty, students & staff

Participate in TBC & Lab Migration activities & earn attractive honorarium + certificate

### Workshops

The FOSSEE team conducts workshops for faculty development to promote FLOSS in education. For self learning, we recommend you to use the Spoken Tutorials available on our web site.

### FOSSEE Forum

FOSSEE Forum is a place where one can post all their doubts and questions which users / developers get while using any FLOSS.

### Conferences

The FOSSEE team conducts conferences for students and faculty, to promote FLOSS in education. SciPy India Conference which is based on Python in scientific computing is conducted annually. FOSSEE also have conducted events in Scilab, Osdag, OpenFOAM etc.

### Spoken Tutorials

A Spoken Tutorial is a screencast with running commentary, a recording of computer session created for self learning. Each Spoken Tutorial typically runs for a duration of approximately ten minutes. Using these Spoken Tutorials, SELF (Spoken Tutorial based Education and Learning through Free FLOSS study) workshops are possible.

**1000+ Textbook Companions**  
**100+ Spoken Tutorials**  
**60+ Lab Migrations**

<https://fossee.in>  
Email: [info@fossee.in](mailto:info@fossee.in)

