BAHRIA UNIVERSITY, ISLAMABAD

Minutes of the 7th Video Conferenced Meeting of the
Faculty Board of Studies (Engineering)
on Tuesday 23 September, 2014, at 1000 hrs

1. ATTENDANCE

<u>**Present**</u>

BUHQ:

1.	M Ehsan Saeed	AAA & Head FBOSs	In chair
2.	Lt Cdr (R) M Younus	ADAA	Secy

BUIC:

3.	Assoc Prof Mr Fazal Wahab	HOD(CS)	Member
4.	Asstt Prof Dr Najm-ul-Islam	HOD(EE)	Member
5.	Assoc Prof Dr Tamim Ahmed Khan	HOD(SE)	Member
6.	Assoc Prof Dr Shahzad Khalid	HOD(CE)	Member

BUKC:

7.	Assoc Prof Dr Haroon Rasheed	HOD(EE)	Member
8.	Asstt Prof Dr Humera Farooq	HOD(CS)	Member
9.	Asstt Prof Engr Majid Kaleem	HOD(C&SE)	Member

BULC:

10.	Asstt Prof Farhan Saeed Sheerazi	Ag HOD(CS)	Member

<u>**In attendance**</u>

BUIC:

11.	Asstt Prof Awais Majeed	FM(SE)
12.	Asstt Prof Kashif Zia	FM(SE)

BUKC:

13.	Capt Mohsin Hayat Malik TI(M) PN	Director
14.	Asstt Prof Ali Ahmed	FM(SE)

2. PROCEEDINGS

A. Preliminaries

Commencement of the Meeting

1.   The meeting commenced with recitation from the Holy Quran. Observing that the quorum was complete, the Chairman declared the meeting open. The Chairman welcomed the members and thanked them for making it convenient to attend.

Confirmation of the Minutes of the Last Meeting

2.   The Chairman observed that no observation on the minutes of the previous meeting had been received and asked for their confirmation. The Board unanimously confirmed the minutes of the last meeting.

B. Review Items

3.   There were no review items from the previous meeting. The Board moved to the new agenda points.

C. New Points 0601

Item 0701: BSE Programme - Making Course GSC-306 (Probability & Statistics for Engineers) a Pre-Requisite for SCN-421 (Natural Language Processing) (Supporting Elective 3)

Sponsor: HOD(SE) BUIC

Background & Discussion

4.   HOD(SE) BUIC briefed the house on the need to make the Course GSC-306 (Probability & Statistics for Engineers) a Pre-Requisite for the course SCN-421 (Natural Language Processing) (Supporting Elective 3) in the BSE programme, and presented three options as described in the working paper at Appendage 0701. Option-3 was accepted with the proviso that there would be no deviation from the HEC roadmap.

Decision 0701

In the BSE roadmap, course-SCN-421 (Natural Language Processing) removed from the Supporting Electives and included in Domain Electives, with the proviso that there shall be no deviation from the HEC roadmap.

>> **Action:** All HODs(SE)

Item 0702: MS(EM) Programme, Launch of

Sponsor: HOD(SE) BUIC

Background & Discussion

5.   HOD(SE) BUIC made a case for launching an MS programme in Engineering Management (working paper attached as Appendage-0702), responding that it would be an evening programme, had PSEB support and the Management Sciences Dept had been consulted while making the roadmap. The house was divided on the proposal. The main objection was on what was perceived as the difference between the title which suggested an Engineering-wide programme and the roadmap which seemed to focus on Software Engineering. It was eventually agreed that while the case could be referred to the Academic Council, the roadmap required further brainstorming, and inputs from all the Depts if its title was to stay as proposed.

Decision 0702

    a. Proposal to launch MS(EM) as an evening programme referred to the Academic Council with the proviso that roadmap for the programme shall be further brainstormed and inputs from other departments in the Engineering Faculty duly incorporated with respect to the title and contents of the programme.

    b. HEC's approval to the proposal be sought in parallel.

>> **Action:** HOD(SE) BUIC

Item 0703: MS(CE) Programme, Launch of

Sponsor: HOD(CE) BUIC

Background & Discussion

6.   HOD(CE) BUIC made a case for launching an MS programme in Computer Engineering , as an evening programme at the BUIC (working paper attached as Appendage-0703). The house was divided on this proposal too. The proposal's strongest point was to bridge the departmental gap between the bachelors (BCE) and the doctoral level programmes. The main objection was further addition to the plethora of MS level programmes which would only confuse the applicants. It was agreed that there was a need to rationalise the number/type of MS level programmes in the Engineering faculty. With the said proviso that proposal was referred to Academic Council.

Decision 0703

    a. Proposal to launch MS(CE) as an evening programme referred to the Academic Council, with the recommendation that MS level programmes being run and proposed in the Faculty of Engineering be looked at globally for their need and nuances.

    b. HEC's approval to the proposal be sought in parallel.

>> **Action:** HOD(SE) BUIC

Item 0704: IDEE-I & IDEE-II Pool Courses of BCE Programme - Merging into a Single Pool

Sponsor: HOD(CE) BUIC

Background & Discussion

7.   HOD(CE) BUIC presented a proposal on merging IDEE-I and IDEE-II courses into a single pool IDEE (working paper attached as Appendage 0704). The house agreed to the proposal.

Decision 0704

IDEE-I and IDEE-II courses merged into a single pool IDEE, wef S2015.

>> **Action:** HOD(CE) BUIC, HOD(C&SE) BUKC

Item 0705: BSE Programme - Switching to the New (2013) Road Map prepared by the NCRC but not yet approved by the HEC

Sponsor: HOD(C&SE) BUKC

Background & Discussion

8.   HOD(C&SE) BUKC sought approval to adopt the new (2013) roadmap for the BSE programme, which had been drafted by the NCRC but not yet approved by the HEC (working paper at Appendage 0705 refers). The house unanimously agreed that no roadmap would be adopted unless approved by the HEC.

Decision 0705

The draft roadmap (2013) for SE prepared by the NCRC would be adopted when approved by the HEC.

>> **Action:** HOD(C&SE) BUKC, HOD(SE) BUIC

Item 0706: PhD EE Programme - Addition of Electives

Sponsor: HOD(EE) BUIC

Background & Discussion

9.   HOD(EE) BUIC briefed the house that during their recent visit, the HEC PhD inspection team had asked for reviewing the PhD electives list; accordingly, the departmental research group in Control Systems had proposed addition of four courses to the electives list for which approval was sought (working paper at Appendage 0706 refers). The house accorded no objection to the proposal and referred it to the Academic Council.

Decision 0706

Addition of the following four courses to the PhD EE electives list supported and the case referred to the Academic Council for approval:

   a. On-Chip Interconnection Networks (EEN-824).
   b. Optimal Sampled-Data Control Systems (EEN – 825).
   c. Networked Dynamic Systems (EEN – 826).
   d. Modern Control Theory (EEN – 827).

>> **Action:** HOD(EE) BUIC.

Item 0707: BEE Programme - Telecom FoS be offered right from Semester-1

Sponsor: HOD(EE) BUKC

Background & Discussion

10.   HOD(EE) BUKC made a case for offering BEE (Telecom) right from Semester-1 to prevent drain of students to other streams in Semester-5 leaving few if none for the Telecom stream, and to ensure that the programme survived and its training facilities utilised (working paper at Appendage 0707 refers). The proposal found little favour as the house was generally of the view that it would not be appropriate to force a stream or a decision on students right at the outset of their university career. The point was, therefore, dropped.

Decision 0707

Point dropped.

Item 0708: BEE Programme – Revision of Courses Outlines

Sponsor: HOD(EE) BUKC

Background & Discussion

11.   HOD(EE) BUKC briefed that whereas the BEE roadmap-2014 had been adopted, outlines of some courses needed revision; he sought approval in principle to revise the outlines (working paper at Appendage 0708 refers). The house was of the view that whereas HEC outlines had to be adhered to, deviations up to 20% could be made without referral to the HEC, upon which the sponsor did not pursue the point.

Decision 0708

Course outlines may be modified up to 20% without referral to the HEC. Point dropped.

>> Action: HOD(EE) BUKC**.**I

Item 0709: Past Exam Papers – Databasing and Placement in Library

Sponsor: HOD(EE) BUKC

Background & Discussion

12.   HOD(EE) BUKC made a case for databasing past examination papers of all subjects and placing them in the library, as a step towards improvement of examination system (working paper at Appendage 0709 refers). The house found merit in the proposal and referred it to the Academic Council for consideration.

Decision 0709

The concept of databasing past examination papers and placing the repository in the library endorsed and referred to the Academic Council for consideration. .

>> Action: HOD(EE) BUKC.

Item 0710: MS/MPhil Thesis – Exclusion from CGPA calculation

Sponsor: HOD(EE) BUKC

Background & Discussion

13.   HOD(EE) BUKC made a case for excluding MS/MPhil thesis from CGPA calculations with a view to encouraging more students towards research as most students were shying away from research for fear of lower grades in thesis (working paper at Appendage 0710 refers). While the proposal was considered pertinent, HOD(EE)IC informed the house that the said point was already on the next HERC meeting's agenda, upon which the sponsor did not pursue the case.

Decision 0710

Point dropped being already on the HERC agenda.

Item 0711: BEE Degree Title – Variations Inter-BU-HEC

Sponsor: HOD(EE) BUKC

Background & Discussion

14.   HOD(EE) BUKC pointed out that the BEE degree was being conferred as Bachelor in Electrical Engineering (BEE) by the University whereas HEC was registering it as BSc Electrical Engineering which was causing ambiguity (working paper at Appendage 0711 refers). The house was surprised to learn about this finding and asked the sponsor to move it on file for the registrar to take it up with the HEC if that indeed was the case.

Decision 0711

Case be moved on file for further action.

>> Action: HOD(EE) BUKC.

Item 0712: Lab Engineers and Lab Assistants, Evaluation of

Sponsor: HOD(EE) BUKC

Background & Discussion

15.   HOD(EE) BUKC informed the house that the lab engineers and lab assistants were not being evaluated for courses having a +1 lab component and proposed creation of separate evaluation forms for them (working paper at Appendage 0712 refers). The house observed that it was a technical issue which could be solved through the campus IT department; alternatively, manual evaluations on the lab engineers and assistants could be sought from the students on the print outs of the standard evaluation forms. Upon this, the sponsor did not pursue the case.

Decision 0712

Campus IT departments be approached for necessary software modifications to enable evaluation of lab engineers and lab assistants. Alternatively, manual evaluations on lab engineers and lab assistants be obtained from the students on the print outs of the standard evaluation forms. Progress shall be reviewed in the next FBOS meeting.

>> Action: All HODs of the Engineering Faculty.

Item 0713: Summer Session – Revision of the Academic Council decision to cap the earned Grades at C+

Sponsor: HOD(CS) BUKC

Background & Discussion

16.   HOD(CS) BUKC dilated on the academic and administrative difficulties experienced in the last summer session in the wake of the 21st ACM decision to cap the grades earned in any summer session at C+, and proposed its review (working paper at Appendage 0713 refers). Dir BUKC endorsed the views of the sponsor. The Chairman apprised the house that objectives behind the decision were already materialising and reminded that the sponsor had taken the issue in the 22nd ACM too but was not accepted. He then went over at length

on the rationale of the 21st ACM decision which had been taken after due diligence. The house agreed that decisions taken at statutory forums needed time to take effect and to review a decision immediately after its first implementation was not wise. HOD(CS)BUIC commented that the issue of overcrowding in regular semesters, as pointed out by the sponsor, was purely administrative and could be resolved through evening classes. The sponsor insisted on having her views recorded.

Decision 0713

Point dropped.

Item 0714: MS CS Programme – Proposal to allow Interdisciplinary Elective Courses
Sponsor: HOD(CS) BUKC

Background & Discussion

17.   HOD(CS) BUKC proposed that MS CS students be allowed to register for interdisciplinary electives, that is electives not listed in their own roadmap but offered by another engineering department, if recommended by the Supervisor (working paper at Appendage 0714 refers). The house supported the proposal in principle but observed that if the recommendation was to come from the supervisor, the students might not have enough time left for the course in the first place. The house also observed that modalities needed to be sorted out with respect to MIS as indeed the issue of course codes.

Decision 0714

The proposal to allow the MS students opting for research to do an inter-disciplinary elective not listed in their roadmap, if recommended by their supervisors, endorsed and referred to the Academic Council for consideration. The Academic Council be explained the modalities of the proposal with respect to the MIS.

>> Action: HOD(CS)BUKC.

Item 0715: BSCS Roadmap – Proposal to merge Cluster-wise lists of Electives
Sponsor: HOD(CS) BUIC

Background & Discussion

18.   HOD(CS) BUIC proposed merging cluster-wise electives lists into a single list since the cluster-wise lists were serving no purpose as students were at liberty to select any 4 electives from across all the four cluster lists. He also proposed splitting the course "Data Mining and Warehousing" and changing the prerequisite for these courses, as per the working paper at Appendage 0715. The house agreed to the proposal but asked for outlines for the split courses, their course codes and application of the same changes to the SE Dept.

Decision 0715

   a. Following proposals endorsed, and referred to the Academic Council for consideration:

      (1) Merging the four cluster-wise electives lists into a single list.

(2) Splitting the course "Data Mining & Warehousing" into two separate courses – "Data Mining" and "Data Warehousing".

(3) Making the course "Data Management Systems" (CSC 220) as the pre-requisite of both the new courses) vice "Advanced Database Management Systems" (CSC 468).

b. Outlines and Course Codes of both the new courses be defined.

c. If approved by the Academic Council, the same changes to be applicable to the SE/ C&SE Depts.

>> Action: HOD(CS)BUIC.

Item 0716: MSCS Roadmap, Changes to

Sponsor: HOD(CS) BUIC

Background & Discussion

19.   HOD(CS) BUIC proposed splitting the course "Advanced Data Mining and Warehousing" and moving two courses inter-stream, as per the working paper at Appendage 0716.   The house agreed to splitting the course in question but asked for outlines for the split courses, their course codes and application of the same changes to the SE Dept. As to the proposal on moving two courses inter-stream, the house approved the move but asked that the said courses be also retained in the original streams:

Decision 0716

a. Proposal to split the course "Advanced Data Mining & Warehousing" into two separate courses – "Advanced Data Mining" and "Advanced Data Warehousing" proposals endorsed, and referred to the Academic Council for consideration, with the proviso that:

(1) Outlines and Course Codes of both the new courses shall be defined.

(2) If approved by the Academic Council, the same changes shall be applicable to the SE/C&SE Depts.

b. Courses "Information Theory" (CSC 554) and "Retrieval Techniques" (CSC 514) to form part of both the "Information Management" and "Human Computer Interaction" streams

>> Action: HOD(CS)BUIC.

D. Any Other Points

Item 0717: BS IT at BUKC

Sponsor: Dir BUKC

Background & Discussion

20.   Dir BUKC sought approval for launching the BS IT programme on the lines it had been done at BUIC. The house observed that the CS Dept BUIC had moved the Academic Council for the said programme and that BUKC needed to follow suit.

Decision 0717

Proposal to launch BS IT programme at the BUKC endorsed and referred to the Academic Council for consideration subject to a proper feasibility study.

>> Action: HOD(CS)BUKC

Item 0718: BS Bioinformatics at BUKC
Sponsor: HOD(C&SE) BUKC

Background & Discussion

21.   HOD(C&SE) BUKC proposed launching BS Informatics at BUKC. The house was informed that the proposal had already been approved by the HEC and recommended by the NCEAC. The house asked for a formal proposal based on a proper feasibility study to be presented at the next meeting of the FBOS.

Decision 0718

A formal proposal based on a successful feasibility study on launching BS Informatics at the BUKC be prepared and presented to the next meeting of the FBOS Engineering.

>> Action: HOD(CS)BUKC

Item 0719: Statutory Documents, Digitisation and availability of the EMS of
Sponsor: HOD(EE) BUIC

Background & Discussion

22.   HODEE BUIC proposed digitisation all statutory documents and their uploading on the EMS in a read only format, to enable rapid search and reference of information, rules and regulations. The house found merit in the proposal and referred it to the Academic Council for consideration.

Decision 0719

Proposal to digitise statutory documents and their uploading to the EMS in a read only format endorsed and referred to the Academic Council for consideration.

>> Action: HOD(EE)BUIC

Item 0720: MS Programmes – Permitting scholars to enroll in Elective Courses from New Roadmaps
Sponsor: HOD(EE) BUIC

Background & Discussion

23.   HOD(EE) BUIC proposed that MS scholars be permitted to enroll for courses which had been introduced into their roadmaps after their enrollment and were, hence, not applicable to them. The house supported the proposal and referred to the Academic Council for consideration.

Decision 0720

Proposal to permit MS scholars to enroll for courses which had been introduced into their roadmaps after their enrollment supported and referred to the Academic Council for consideration.

>> Action: HOD(EE)BUIC

E. Closure

24.   The Chair thanked the participants for their wholehearted participation and, there being no further points on the agenda, declared the meeting closed at about 1300 hrs.

M EHSAN SAEED
Advisor Academic Affairs &
Head FBOSs

<u>26 September 2014</u>

Distribution (by email):

BUHQ: Rector, Pro-Rector, Registrar, Advisor R&D, DAAudit, DE, DA, DQA, DRD
BUIC: DG BUIC, DIC, HOD(CS), HOD(SE), HOD(CE), HOD(EE)
BUKC: DG BUKC, DKC, HOD(CS), HOD(E&SE), HOD(EE)
BULC: DLC, HOD(CS)

Agenda Item 0701

Initiated by: HOD (SE), Islamabad Campus

Subject: Course GSC-306: Probability and Statistics for Engineers may be made prerequisite of SCN-421: Natural Language Processing (Supporting Elective III)

Background to the case:

NLP needs statistical analysis capabilities and which BSE students lack at 5th semester level since they can opt for NLP SCN-421: Natural Language Processing (Supporting Elective III) in the fifth semester in which GSC-306: Probability and Statistics for Engineers is offered. The case was discussed in DBOS and the following options were considered:

1. Swap core courses e.g., P&S and LA, such that GSC-306: Probability and Statistics for Engineers goes to fourth semester.
2. Making GSC-306: Probability and Statistics for Engineers a prerequisite for SCN-421: Natural Language Processing.
3. Removal of SCN-421: Natural Language Processing from supporting electives and including it as domain electives and hence it would be automatically offered in the semester after GSC-306: Probability and Statistics for Engineers is offered.

Recommendation:

It is recommended that SCN-421: Natural Language Processing may be removed from supporting electives and may be included as domain electives. This would help offering these courses in such a sequence automatically.

Establishments/HR Effect if any

NIL.

Financial Effect

NIL.

DISCUSSION

Board's Decision:

Action By:

Deadline (if any)

Agenda Item 0702

Initiated by: HOD SE, Islamabad Campus

Subject:Masters of Science (Engineering Management) Program Launch & Road Map

1. Background to the Case

Department of Software Engineering is planning to launch the Master program (MS EM). Department of Software Engineering at Bahria University (Islamabad Campus) is currently running BS (SE), MS(SE) and Ph.D (SE) programs. MS (EM) is an important program already offered by leading universities of the Federal Capital e.g., NUST, Texila University, and this would further assist in strengthening our PhD(SE) program. Road map for this program has been developed and discussed in 1st DBOS meeting of Department of SE. The members strongly advocated for starting the MS (EM) program in this meeting. The planned road map of the program contains introduction of this program, eligibility criteria, degree requirements, courses details and soft streams details. Since the department of Software Engineering Islamabad Campus is already offering MS(SE) in the evening, there would be no additional support staff required and only faculty requirement would require addressing. The road map is attached at Annex A.

This program was also discussed with HOD, C&SE (Karachi Campus) and he also extended full support to the concept.

2. Recommendations
It is recommended that the Department of SE may start MS(EM) program after seeking formal approval from FBOS, ACM and HEC.

3. Establishments/HR Effect if any

Requires certain number of visiting faculty members. Since department of management sciences is already offering MS(PM), these faculty members can be arranged from the management sciences department for management related courses.

4. Financial Effect

A detailed document for this purpose would be submitted separately.

DISCUSSION

Council Decision:

Action By:

Deadline (if any):

Agenda Item # 0703

Initiated by: HOD CE, Islamabad Campus

Subject: Masters of Science (Computer Engineering) Program Launch & Road Map

1. **Background to the Case**

   Department of Computer Engineering is planning to launch the Master program (MS CE). Department of Computer Engineering at Bahria University (Islamabad Campus) is currently running BS (CE) and Ph.D (CE) programs. There is a missing link of MS(CE) program which is important to further strengthen our PhD(CE) program. Road map for this program has been developed and discussed in 1st DBOS meeting of Department of CE. The members strongly advocated for starting the MS (CE) program in this meeting. The planned road map of the program contains introduction of this program, eligibility criteria, degree requirements, courses details and soft streams details. The road map is attached at Annex A.

2. **Recommendations**

   It is recommended that the Department of CE shall start MS(CE) program to bridge the undergraduate BCE program and post graduate PhD (CE) program.

3. **Establishments/HR Effect if any**

   Requires certain number of visiting faculty members which are discussed in Annex 'C'.

4. **Financial Effect**

   Expected earnings from first intake is Rs. 4,51,756/-. Details are provided in Annex 'C' for subsequent sessions.

DISCUSSION

Council Decision:

Action By:

Deadline (if any):

Agenda Item 0704

Initiated by: HOD CE, Islamabad Campus

Subject: Make a single pool of IDEE-I & IDEE-II with the name of IDEE

1. **Background to the Case**

   Some courses which lie in IDEE-II category are important for FYP. We believe that if we teach these courses in 7th semester, it could be helpful for the students. AN example of such course is Digital Image Processing which is an important course from FYP prospective and many students are currently doing projects in this field. So it is important to teach this course in 7th semester instead of 8th. This case has already been discussed in 1st DBOS meeting of Department of Computer Engineering. The members suggested that there should be single pool for IDEE courses and the students may select any of the two courses given that the pre-requisite requirements are not violated

2. **Recommendations**
   It is recommended to have a single pool for IDEE courses and this change may be applied for existing batches that have yet to select courses from the pool of IDEE. The restriction of enforcing student to select at least one 4 credit hours course to fulfill degree requirements may be imposed using the registration system.

3. **Establishments/HR Effect if any**

   NIL.

4. **Financial Effect**

   NIL.

DISCUSSION

Council Decision:

Action By:

Deadline (if any):

Agenda Item #0705

Initiated by: HOD Computer & Software Engineering, BUKC
 	
SWITCHING TO NEW (2013) BACHELOR OF SOFTWARE ENGINEERING ROADMAP
 	
1. **Background to the Case**
The existing roadmap of *Bachelors of Software Engineering* (BSE) program was adopted in Fall 2010. The latest visit of PEC accreditation team was come about in February 2014. One of their visit observations was about the curriculum that it needs to be revised as per 2013 NCRC (National Curriculum Revision Committee) recommendations of *Software Engineering* program.
 	
Upon inquiry it was found that revised curriculum is still in the draft form and is not publicly available on HEC website. The HEC website still hosts 2008-2009 roadmap for *Software Engineering* program at:
http://www.hec.gov.pk/InsideHEC/Divisions/AECA/CurriculumRevision/Pages/RevisedCurricula.aspx
 	
2. **Financial Effect**
    Nil
3. **Recommendations**
   • DBOS unanimously recommends that approval, in principle, be granted to switch to new roadmap of *Software Engineering* program when it is publicly available.
   • The new roadmap will only be implemented from the FALL semester that will follow after its formal promulgation *(for new intake students)*.
   • The written approval either in the form of minutes of FBOS or ACM will manifest our compliance in the meantime.
 	
4. **Establishment/HR effect if any**
    Nil

DISCUSSION

FBOS Decision:
Implications:
 	
    HR:
 	
    Financial:
 	
    Statutory:
 	
    Any Other:
 	
Action By:
Deadline (if any)

Agenda Item 0706

Initiated by: HoD(EE), Islamabad Campus

Subject:

Addition of PhD Elective Courses

1. **Background to the Case**
   1. The combined list of PhD Elective courses (Engineering Sciences) consists of 42 courses.
   2. HEC is its recent visit desired to update and increase the elective courses of PhD program.
   3. The EE department at BUIC has started research group in Control Systems, and the group has proposed the following elective courses:

      a. On-Chip Interconnection Networks (EEN-824).
      b. Optimal Sampled-Data Control Systems (EEN – 825).
      c. Networked Dynamic Systems (EEN – 826).
      d. Modern Control Theory (EEN – 827).

2. **Financial Effect**   Nil

3. **Recommendation**

   1. The proposed courses be added in the PhD Elective course list.

4. **Establishment / HR Effect if any**   Nil

DISCUSSION

Council Decision:

Action By:

Deadline (if any):

Agenda Item 0707

Initiated by: <u>HOD EE, Karachi Campus</u>

TO CONSIDER AMENDMENTS IN ADMISSION POLICY FOR IMPROVING BEE (TELECOMMUNICTION) PROGRAM

1. **Background**

   - Despite the huge investment in Telecom sector worldwide **(ref: Forbes)**, BEE (TELCOM) is declining due to certain reasons like local job saturation, stereo typing or service provider/regulating bodies inactive role etc.,
   - Pupil who were interested to opt Telecom field of specialization (FoS) during admission are allowed to switch in BEE fifth semester. Consequently, heavily doped with electronic mates perception, few of them make up their mind to shift in Telecom FoS.
   - According to BU rules it is mandatory to start a course with minimum number of 15 students.
   - Thus, BET program is no more existing in EE department, although we possess good labs and faculty.

2. **Recommendation**

   - During admission process applicants who prefer to join Telecom FoS should be offered separate section from 1st semester.
   - More intensive Telecom related courses are proposed to include in BET program.
   - Request for 40 additional seats (Solely for Telecom FoS) will be forwarded to PEC in its coming visit.

3. **Establishments/HR Effect if any**

4. **Financial Effect**

DISCUSSION

Council Decision:

Action By:

Deadline (if any):

Agenda Item 0708

Initiated by: HOD EE, Karachi Campus

TO CONSIDER THE RIVISION IN COURSES OUTLINE

1. **Background**
   - BEE program has revised its roadmap in 2014. However, course outlines of various subjects
   - still need to be revisited.
   - For example; 1st semester BEE course EEN110-**Linear Circuit Analysis** is pre requisite of 2nd semester course **EEN211-Electrical Network Analysis.** However, the extended outline of LCA hardly permits the teacher to complete it within specified time. On the other hand, first semester students barely digest the concepts which are most crucial and necessary in upcoming semesters.

2. **Recommendation**

   - DBOS unanimously recommends the case to revisit course outlines in FBOS. If approved and endorsed from board, reconciliation of various courses can be done in two weeks with consensus of HOD EE IC.

3. **Establishments/HR Effect if any**

   NIL.

4. **Financial Effect**

   NIL.

DISCUSSION

Council Decision:

Action By:

Deadline (if any):

Agenda Item 0709

Initiated by: HOD EE, Karachi Campus

AVAILABILITY OF PAST EXAM PAPERS IN LIBRARY

1. **Background**
   ▪ At the moment, past exam papers either mid or final terms are not made available for BU students.
   ▪ Almost all universities give provision to students that past exam papers are kept in library database or made available online.
   ▪ This activity will reflect towards improvement of exam papers quality.

2. **Recommendation**

   ▪ This point was discussed in DBOS and after thorough discussion it is recommended to FBOS for debate.
   ▪ Each academic department will decide which of its exam papers are made available from examination department.

3. **Establishments/HR Effect if any**

   NIL.

4. **Financial Effect**

   NIL.

DISCUSSION

Council Decision:

Action By:

Deadline (if any):

Agenda Item 0710

Initiated by: HOD EE, Karachi Campus

EXPLICIT POLICY OF MS/MPHIL THESIS GRADING FOR CGPA CALCULATION

1. **Background**
   - MS/MPhil Thesis evaluation from **PG-14** consists grading parameters as Excellent, Good, acceptable or poor. Moreover, according to **PGREGS articles no 40-42**, it is also stated that thesis will be evaluated as "Approved" or "Not Approved". This reflects that Thesis grading will not be included for a candidate CGPA calculation. However, in practice, Thesis is being graded and included in CGPA calculation generating ambiguity among students.

2. **Recommendation**

   - Request for exclusion of thesis in CGPA calculation is forwarded to FBOS for approval. Furthermore, this recommendation also gets support from 22nd ACM decision over minute 2218.

3. **Establishments/HR Effect if any**

   NIL.

4. **Financial Effect**

   NIL.

DISCUSSION

Council Decision:

Action By:

Deadline (if any):

Agenda Item # 0711
Initiated by: HOD EE, Karachi Campus **NON UNIFORMITY BETWEEN BAHRIA UNIVERSITY AND PEC IN BEE DEGREE TITLE** **1. Background** ▪ The degree title of 4 years Electrical Engineering program offered by Bahria University is Bachelor of Electrical Engineering (BEE), whereas PEC is registering BUKC students as B.Sc Electrical Engineering. For reference please check. http://www.pec.org.pk/schedule_first.aspx#SINDH ▪ This dissimilarity is creating ambiguity and causing unrest among students which further influence our engineering intake.   **2. Recommendation** ▪ This issue is forwarded to FBOS for further deliberation. **3. Establishments/HR Effect if any** NIL. **4. Financial Effect**   NIL.
DISCUSSION
Council Decision: **Action By:**   **Deadline (if any):**

Agenda Item 0712

Initiated by: <u>HOD EE, Karachi Campus</u>

<u>**EVALUATION OF LAB ENGINEERS AND LAB ASSISTANTS**</u>

1. <u>**Background**</u>

    ▪ Currently, Lab Engineer and Lab Assistant performance is not being evaluated for their Lab courses. In the course and teacher evaluation form, students assess the teacher instead of Lab Engineers and Lab Assistants for the labs conducted, which is irrational.

2. <u>**Recommendation**</u>

    ▪ It is recommended that separate course evaluation forms should be made for Lab Engineer and Lab Assistant. This request is forwarded to FBOS for further deliberation.

3. <u>**Establishments/HR Effect if any**</u>

    NIL.

4. <u>**Financial Effect**</u>

    NIL.

DISCUSSION

Council Decision:

Action By:

Deadline (if any):

Agenda Item 0713

Subject: Request to revise the C+ cap for opting the courses in Summer

5. **Background to the Case**

According to the decision of ACM held in Spring 2014, the students who are repeating their courses in summer will be assign maximum C+ grade. This rule has been practice in Summer 2014. Hence, Students are not interested to register in the summer courses. Due to this behavior of the students, following observations has been recorded:

1. In Fall 2014, the number of students (repeating courses) has been increased.
2. Clashes of the courses increase.
3. Student strength / class has been increase

Furthermore, this restriction will also increase the drop out ratio in the near future

6. **HR Effect(s):**

   Nil

7. **Financial Effect:**   Nil

8. **Statutory Effect:**   Nil

9. **Recommendation(s):**

   It is recommended to revise the decision of capping the summer courses at C+ Grade.

10. **Recommending Authority:**   Nil

DISCUSSION

Council Decision:

Action By:

Deadline (if any):

Agenda Item 0714

Initiated by : HoD(CS), Karachi Campus

Subject:

   Permission to offer Interdisciplinary courses in MS Program

1.   **Background to the Case**

   In MS program for Faculty of Engineering and Sciences, students are only allowed to register the elective courses list in their roadmap. Due to this restriction, the students are not able to take electives according to their research area. Hence, technically there is always a lacking in the students in their domain of research.

2.   **HR Effect(s):**   Nil

3.   **Financial Effect:**   Nil

4.   **Statutory Effect:**   Nil

5.   **Recommendation(s):**

   It is recommended to allow the MS Students to register for interdisciplinary courses (not listed in their roadmap and offer by sister department) if they need. Furthermore, this recommendation should be come from their respective supervisors.

6.   **Recommending Authority:**   Nil

DISCUSSION

Council Decision:

Action By:

Deadline (if any):

Agenda Item 0715

Initiated by: <u>HoD CS, Islamabad Campus</u>

<u>**Subject: Changes in the BSCS Roadmap**</u>

5. <u>**Background to the Case**</u>

   A cluster-wise list of elective courses is a part of the roadmap of BSCS program. Students are required to choose 4 electives from these all clusters, but there are no constraints on choosing electives with respect to clusters. These clusters are also not mentioned on BS (CS) Degree and transcripts as specialization.

6. <u>**Recommendations**</u>

   The following changes are recommended in the roadmap of BSCS program:

   a. The cluster-wise list of electives should be merged in a single list of electives list.

   b. The course titled Data Mining and Warehousing should be split into two separate courses title: "Data Mining" and "Data Warehousing". The pre-requisite for these courses should be Database Management Systems (CSC 220) instead of Advanced Database Management Systems (CSC 468).

7. <u>**Establishments/HR Effect if any**</u>

   NIL.

8. <u>**Financial Effect**</u>

   NIL.

DISCUSSION

Council Decision:

Action By:

Deadline (if any):

25

Agenda Item 0716

Initiated by: HoD CS, Islamabad Campus

Subject: Changes in the MSCS Roadmap

9. **Background to the Case**

Department of CS commenced MS (CS) program with effect from Fall 2013. One year after the launch of this program, the roadmap of the program was reviewed and improvements were suggested in the departmental board of studies meeting held on August 27, 2014.

10. **Recommendations**

The following changes are recommended in the roadmap of MSCS program:

c. The course titled Advanced Data Mining and Warehousing (CSC-746) should be split into two separate courses title: "Advanced Data Mining" and "Advanced Data Warehousing".

d. Course titled Information Theory (CSC 554) which is currently placed in the specialization stream "Information Management" should be placed in the specialization stream "Human Computer Interaction"

e. Course titled Information Retrieval Techniques (CSC 514) which is currently placed in the specialization stream "Human Computer Interaction" should be placed in the specialization stream "Information Management".

11. **Establishments/HR Effect if any**

NIL.

12. **Financial Effect**

NIL.

DISCUSSION

Council Decision:

Action By:

Deadline (if any):