Department of Computer Science
Assam University
Silchar

Date: 17.08.2021

Minutes of the Departmental Meeting held on 17/08/2021in offline and online mode (Google Meet):

Agenda Items:
1. Action taken on students' feedback report and matters related to NAAC Peer Team visit
2. Even semester examination: September 2021 regarding
3. DRC and BPGS regarding
4. Utilization of Annual Course Fee (ACF) 2020-21 regarding
5. Any other items

Members Present:

A] In person (offline)

1. Dr. Pankaj Kumar Deva Sarma, Professor and Head
2. Dr. Rakesh Kumar, Assistant Professor
2. Mr. Saptarshi Paul, Assistant Professor
3. Dr. Purnendu Das, Assistant Professor
5. Mr. Bishwa Ranjan Roy, Assistant Professor
6. Dr. Sanju Das

B] Online through Google meet

1. Professor K. Hemachandran
2. Professor Shahin Ara Begum
3. Dr. Indrani Das, Assistant Professor
4. Dr. Prodipto Das, Assistant Professor
5. Mr. B. S. Meena, Assistant Professor

Resolutions:
1. Action taken on students' feedback report and matters related to NAAC Peer Team visit

(a) Members discussed the feedback received from the students on the classes taken through online mode in the current even semester up to the month of June 2021. Members have informed that the classes are taken regularly and the courses of all the papers shall be completed before the examinations. However, it is also reported about the various difficulties in conducting the online classes through video meetings/conferences due to non availability of proper bandwidth and data for communication. In spite of these, classes are being conducted regularly and the syllabi for the papers shall be completed in time for the end semester examinations.

(b) Members discussed about the tasks to be completed before the NAAC Peer team visit scheduled on September 15-17, 2021 and resolved to complete the same.

2. Even semester examination: September 2021 regarding

(a) Members recommended the panel of moderators of the question papers for the even semester examinations comprising of all the faculty members of the Department.

(b) Members recommended to conduct the current even semester examinations in the online mode as per the modalities notified by the COE, AUS vide No. AUE/PG/EVEN/103/2020 dated 17/09/2020.

The detail s of the SoP as per the above notification is resolved as below:

1. The even semester examinations in September 2021shall be conducted through online mode as per the as per the modalities notified by the COE, AUS vide No. AUE/PG/EVEN/103/2020 dated 17/09/2020.

2. The examinations shall be of three hours duration and shall start from 11:00 am and conclude at 2:00pm.

3. The attendance shall be monitored online by invigilators using Google Meet. The students are required to install Google Meet in their devices.

4. The question papers will be sent to the students in their respective email IDs/through whatts app about 15 minutes prior to the commencement of examinations.

5. All the answers are to be written in BLACK INK legibly. Roll, Number, Course code/number, Course name, semester etc. are to be written in every page of the answer script. Only A-4 size paper should be used.

6. Students appearing in the online examination should ensure that they will arrange required gadgets (computer/tab/mobile etc.), internet connectivity, power supply etc. on their own. The online examinees will not get special chance to appear in the same when the situation will be normal.

7. After completion of the examination students have to scan all the answer sheets using the available technology (preferably by Adobe scan) and have to convert all the pages into a single PDF file in continuous manner. The PDF file must be submitted by email attachment to the mail ID provided by the HoD of the Department within half an hour from the finishing of the examination (before 2:30PM). In case any student finds any problem in mailing the answer script they may contact the invigilators concerned and send the answer script through whatsapp (whatsapp number will be given if necessary). **If a student fails to submit within the stipulated time, he/she will be treated as absent.**

   The PDF file name shall consist of Course Code, Roll and Number. **For example, for the paper MCSCC 604, the PDF file name shall be MCSCC 604_011919_2081600034, where Roll is 011919 and Number is 2081600034.**

8. The following email IDs will be used for the examinations:
   (a) For examinations of UG semesters (II, IV, VI): hodcsausoddexamug2021@gmail.com
   (b) For examinations of PG Integrated/PG (2 Years) semesters (VIII/II, X/IV):

   hodcsausoddexampg2021@gmail.com

3.1 DRC and BPGS regarding

(a) All the research supervisors of the Department are requested to conduct the title registration seminars if any for the scholars under their supervision after the declaration of the result of the course work examinations held in May 2021. Further, all the supervisors are requested to

forward the cases of research scholars regarding extension of time, re-registration, change/modification of title, panel of examiners etc. for consideration in the DRC and BPGS Computer Science.

(b) A Ph. D. research scholar, Shri Pranjal Roy of the Department of Computer Science, under Dr. Sunita Sarkar (supervisor) and Dr. Rakesh Kumar (co-supervisor) has submitted his resignation/withdrawal from the Ph. D. programme vide application dated June, 2021 through his supervisors. Members recommended that the resignation/discontinuation of the Ph. D. programme as per the letter submitted by the research scholar (Shri Pranjal Roy) may be accepted. Further, it is also recommended to reduce the number of research scholars registered under the concerned faculty members accordingly. The matter is forwarded to the DRC and BPGS Computer Science for consideration.

(c) Faculty supervisors are requested to submit names of faculty members as members of RACs of their scholars in view of non availability of any existing members of RAC due to valid situations for consideration in DRC and BPGS respectively.

(d) Members recommended the following panel of members for nomination to the DRC of Computer Science:
        (i) From other Departments of the AE School of Physical Sciences:
                1. Professor B. Indrajit Sharma, Department of Physics
                2. Professor Manoj Paul, Department of Chemistry
        (ii) From Departments other than the AE School of Physical Sciences:
                1. Professor Debaprasad Das, Department of ECE
                2. Dr. Sunita Sarkar, Department of Computer Science and Engineering

3.2 BPGS regarding

(a) Members discussed the eligibility criteria for admission to the M. Sc. 2 year programme in computer science and recommended the following change in the eligibility criteria for consideration in the BPGS:

Existing Criteria	Proposed criteria (recommended)
Students who have passed B. Sc (Hons) degree in Computer Science with at least 50% of marks from a University recognized by UGC.	1. Students who have passed B. Sc (Hons) degree in Computer Science with at least 50% of marks from a University recognized by UGC. **OR** 2. Students who have passed Bachelor in Computer Applications (BCA) degree with at least 50% of marks from a University recognized by UGC and also have passed the Higher Secondary/(10+2) level examinations in Science stream with Mathematics and Physics as compulsory subjects.

(b) <u>Minor revision of content of the paper MCSCC 904/MS 304: Natural Language Processing</u>: Members recommended the minor modification in the content of the Course/Paper MCSCC 904/MS 304: Natural Language Processing (NLP) submitted by Dr. Arindam Roy after discussion for consideration in the BPGS, Computer Science. The modified course is as below:

MCSCC 904/MS 304: Natural Language Processing (NLP) (Mofied)

Unit-1

Introduction, Operations on a corpus,Basic Text Processing- tokens, sentences, paragraphs ,Statistical properties of words;Probability and NLP, Linear Algebra and NLP, Spelling correction: edit distance, Document Similarity measures - Cosine and cluster measures; Word boundary detection

Unit-II

Language Modelling- N gram language model, Evaluation of language models, Basic smoothing, Advanced Smoothing models ; Syntax-Parsing, PCFG, Dependency Grammars and Parsing, MST based Dependency Parsing

Unit-III

Introduction to POS Tagging, HMM for POS Tagging, Viterbi decoding for HMM, Baum Welch Algorithm, Maximum Entropy Models- I and II; Precision, Recall, F-score; Information retrieval, extraction, Vector Space Model - word vectors, GloVe/Word2Vec model, word embedding, CBOW and skip gram models

Unit-IV

Machine Learning-Perceptron Learning, Activation functions, Gradient descent;Back Propagation; Recurrent Neural network relevant to NLP:BPTT algorithm, Exploding and vanishing gradients, LSTM, GRU

Unit-V

Machine Translation: Encoder and Decoder model of Neural Machine Translation, RNN based Translation, Attention based Translation, Typical NMT architecture and model for multi language Translation, Sentiment Analysis and Opinion Mining

4. Utilization of Annual Course Fee (ACF) 2020-21 regarding:

Members discussed the requirements of good quality devices for conducting online classes through video conferencing/meetings in the prevailing pandemic situation and resolved to procure tabs for with integrated advanced features appropriate for conducting online teaching – learning, research and related academic activities by utilizing the Annual Course Fees of the year 2020-21. Also based on the availability of funds it is recommended to procure white boards of appropriate size for the faculty rooms for conducting academic sessions whenever necessary and any other items necessary for the Department.

A committee comprising with the following members is constituted to finalize and recommend the specification, cost etc. of the above items for procurement by utilizing the Annual Course Fees of the year 2020-21.

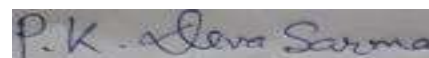| S. No.	Name	
1.	Professor Shahin Ara Begum	Chairperson
2.	Dr. Prodipto Das, Assistant Professor	Convner
3.	Dr. Indrani Das, Assistant Professor	Member
4.	Mr. B. S. Meena, Assistant Professor	Member
5.	Dr. Sanju Das	Member

The committee is requested to submit the proposals at its earliest convenience.

5. Any other items

   After a detail discussion regarding effective implementation of teaching-learning, examinations and all other academic activities during the pandemic situation and also possibly beyond with a view to blending of online and off line academic activities the DAC has requested the following members under the guidance of both the departmental examination coordinators (Dr. Rakesh Kumar and Dr. Purnendu Das) to explore and install Google Classroom platforms for the whole department for the forth coming semesters:

   1. Dr. Sanju Das
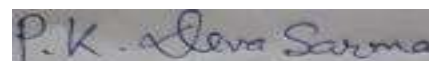   2. Mr. Nayan Jyoti Mazumdar

The meeting ended with thanks from and to the chair.

Professor and Head
Department of Computer Science

Copy to
1. All the members of the Department of the computer Science, AUS
3. Office copy

Professor and Head
Department of Computer Science