



Management Review System Formats

Doc. No.	QR/M5-02
Rev. No.	00
Date	14-06-2004
Page No.	2 of 4

MINUTES OF THE MEETING

Date of the meeting: 30.01.2021

Name of the meeting: Board of Studies

Attended by: Dr. S. Mercy Shalinie, Principal in-charge, Dr.P.Chitra, HDCSE, Dr. Chandrasekar Ramanathan, IIIT, Bangalore (BSM1), Dr. A. Shankar, Professor, PSG Tech (Anna University Nominee) (BSM2), Dr.S.Karthick, NIT, Andra Pradesh (BSM3), Dr. P. Balamurugan, Asst. Professor, IIT, Bombay, (BSM4), Mr. Vidhya Shankar, Fractal Analytics, Bangalore (BSM5), Dr. Uma Rani, A.C. Tech, Karaikudi (BSM6) and CSE department Faculty Members

Sl. No.	Points discussed	Action plan	Responsibility	Target date
1.	<p>Dr. P.Chitra, Head of CSE Department gave a presentation about the PEOs, POs and Program Specific Outcomes (PSOs) for B.E(CSE) Programme, Introduction about the CDIO framework and Categorization of Courses under CDIO for B.E.(CSE). The suggestions given by the experts are</p> <ul style="list-style-type: none">• PSO1 – Relook the components aligned with expertise of the programme – Theoretical Computer science, Data Engineering, Data science and AI.• PSO2 – Provide solution to social and environmental problems using computer science.• One credit courses can provide certificates for value addition	The suggestions will be considered	Head of Department and TLP Coordinator	-
2.	<p>18CSPQ0 – Applied Machine Learning</p> <p>Mr.M.Sivakumar, representative from CSE Department gave brief description of the syllabus. The suggestions given by the experts are</p> <ul style="list-style-type: none">○ Consider use cases for each modules and add them.○ Title of the course may be Foundations of Machine Learning○ Add Semi Supervised Learning in contents and in the outcomes.○ Course outcomes may be relooked○ CO5: can focus on unsupervised methods, hence SVM can be moved to CO1, which focuses on supervised methods○ CO6 can be rewritten by covering basics of reinforcement learning alone○ CO7 should merge with other COs○ Teach students about the use Machine Learning algorithms to solve real world problems.○ Ensure Machine Learning Life cycle is covered○ Weightage for neural network to be given more.	The suggestions have been incorporated in the syllabus	Mr. M. Sivakumar	03.02.2021

	<ul style="list-style-type: none"> ○ Suggestions for combining courses – Artificial Intelligence and Machine Learning in 5th semester, Artificial Intelligence and Machine Learning lab in 6th semester ○ Content to be précisised for Foundation of Machine Learning - Grouping of learning (Supervised, Semi supervised, unsupervised) with case studies ○ Use Python as a review topic and relook on AI frameworks ○ In Neural Network module, add Feed Forward networks ○ Merge (SVM and Logistic regression) for classification ○ Unsupervised learning includes Gaussian, EM Algorithms, ○ Include case studies for Deep networks such as Image Classification, Language processing ○ Add case studies for Semi Supervised Learning - Movie Review. 			
3.	<ul style="list-style-type: none"> ● 18CSPR0 – Service-oriented Architecture <p>Dr. G. Madhu Priya, representative from CSE Department gave brief description of the syllabus. The suggestions given by the experts are</p> <ul style="list-style-type: none"> ○ CO1 – should not be in understand level, it can be given in higher blooms level ○ Words etc., like can be replaced by appropriate terms ○ Elements of SOA to be given explicitly ○ Web services standards such as SOAP can be explicitly given ○ Refer the REST based open standard tools that are available for banking, retail domains. ○ Reduce the overlap of contents with Micro Services architecture course ○ Some topics can be delivered by invited industrial experts 	The suggestions have been incorporated in the syllabus	Dr. G. Madhu Priya Dr. P. Chitra	03.02.2021
4.	<ul style="list-style-type: none"> ● 18CSPS0 – Big Data Analytics <p>Dr. B.Subbulakshmi, representative from CSE Department gave brief description of the syllabus. The suggestions given by the experts are</p> <ul style="list-style-type: none"> ○ Spark ML Platform can be included – suggestion for a one credit course ○ Analysis on big data such as medical images can be taken for case study ○ Multiple APIs for connecting different sources can be added 	The suggestions have been incorporated in the syllabus	Dr. B.Subbulakshmi Dr. M.Nirmala Devi	03.02.2021

	<ul style="list-style-type: none"> ○ Failover and Reliability, security and privacy issues, benchmarking with other big data systems can be added ○ Text books can be added as suggested by Experts: <ul style="list-style-type: none"> ▪ Bigdata primer by Mohanti (Springer) ▪ Big data by Bill France ▪ Bigdata Analytics by Frank J(Wiley) 			
5.	<ul style="list-style-type: none"> ● 18CSPT0 – Design and Analysis of Algorithms- II Dr. M.K. Kavitha Devi, representative from CSE Department gave brief description of the syllabus. The suggestions given by the experts are <ul style="list-style-type: none"> ○ Fingerprinting, abundance of fitness, Randomized Paradigm and Design paradigm, three varieties of Monte Carlo can be considered ○ Suggestions for Combinatorial algorithms, TSP and approximation for optimal solutions, stainer optimization under approximation algorithms ○ Algorithms such as Max satisfiability, greedy, randomized sampling problems are suggested ○ Algorithms used in real-time applications can be added as Cast Study ○ Reference books on linear programming, computational geometry, DAA for randomized algorithms can be included 	The suggestions have been incorporated in the syllabus	Dr. M.K. Kavitha Devi Mrs. Raja Lavanya	03.02.2021
6.	<ul style="list-style-type: none"> ● 18CSPU0 – Edge Computing Dr. R. Leena Sri, representative from CSE Department gave brief description of the syllabus. The suggestions given by the experts are <ul style="list-style-type: none"> ○ Case studies for Model compression, Wearable devices can be added ○ Discuss about the learning resources and course contents with an industry expert Mr. Kirupakar, Honeywell 	The suggestions have been incorporated in the syllabus	Dr. R. Leena Sri Dr. P. Chitra	03.02.2021
7.	<ul style="list-style-type: none"> ● 18CSPV0 – Software Defined Networking Architecture Dr. M.P. Ramkumar, representative from CSE Department gave brief description of the syllabus. The suggestions given by the experts are <ul style="list-style-type: none"> ○ Title of the course can be changed as Fundamentals of SDN ○ Web references for SDN can be added from Nptel, courseera 	The suggestions have been incorporated in the syllabus	Dr. M.P. Ramkumar Dr. C. Senthil Kumar	03.02.2021

8.	<ul style="list-style-type: none"> • 18CSPW0 – Reinforcement Learning Dr. M. Suguna, representative from CSE Department gave brief description of the syllabus. The suggestions given by the experts are <ul style="list-style-type: none"> ○ Mathematical content related to Reinforcement Learning to be included 	The suggestions have been incorporated in the syllabus	Dr. M. Suguna Dr. K. Sundarakantham	03.02.2021
9.	<ul style="list-style-type: none"> • 18CSPY0 - Natural Language Processing and Text Analytics Dr. K. Sundarakantham, representative from CSE Department gave brief description of the syllabus. The suggestions given by the experts are <ul style="list-style-type: none"> ○ COs 1,3,5 need to be revisited as it is in Understand level ○ Inclusion of word embedding, aspect based sentiment analysis topics are suggested ○ Incorporate project component in the course ○ Performance metrics are to be added in evaluation module 	The suggestions have been incorporated in the syllabus	Dr. K. Sundarakantham Ms. J. Felicia Lilian	03.02.2021
10.	<ul style="list-style-type: none"> • 18CS1F0 - A Practical approach to Datawarehousing using Informatica Dr. M. Nirmala Devi, representative from CSE Department gave brief description of the syllabus. The suggestions given by the experts are <ul style="list-style-type: none"> ○ Appropriate prerequisites to be added. ○ In learning resources, revisit the book 1 	The suggestions have been incorporated in the syllabus	Dr. M. Nirmala Devi Dr. M.K. Kavitha Devi	03.02.2021
11.	<ul style="list-style-type: none"> • 18CS1G0 - Fundamentals of Information Systems Security Dr. M. Vijayalakshmi, representative from CSE Department gave brief description of the syllabus. The suggestions given by the experts are <ul style="list-style-type: none"> ○ Course contents can be relooked focusing on Application security ○ Include relevant learning resources 	The suggestions have been incorporated in the syllabus	Dr.M.Vijayalakshmi	03.02.2021
12.	<ul style="list-style-type: none"> • 18CS1H0 - Healthcare Automation Using Machine Learning Dr. K. Sundarakantham, representative from CSE Department gave brief description of the syllabus. The suggestions given by the experts are <ul style="list-style-type: none"> ○ EMR can be added as a specific topic ○ Contents on privacy need to be included ○ Case studies can be discussed 	The suggestions have been incorporated in the syllabus	Dr. K. Sundarakantham Ms. J. Felicia Lilian	03.02.2021

13.	<ul style="list-style-type: none"> • 18CSGF0 - Deep Learning using Python <p>Mr. M. Sivakumar, representative from CSE Department gave brief description of the syllabus. The suggestions given by the experts are</p> <ul style="list-style-type: none"> ○ Usecases, tutorials, prerequisites can be added ○ Prerequisite of fundamentals of machine learning is required ○ RNN models can be removed ○ Application oriented topics can be included such as transfer learning. ○ Title of the course may be Deep learning for vision and control and change the applications/ case studies towards this topic ○ Change the title as Deep Learning frameworks and cover the basic topics of DL, give demos using the frameworks 	The suggestions have been incorporated in the syllabus	Mr. M. Sivakumar Dr. M. Nirjala Devi	03.02.2021
-----	---	--	---	------------

Prepared by.....*B. Suleet*.....Date.....*3/2/2021*.....Approved by.....*P. d. d.*.....Date.....*3/2/21*.....

Note: Due to Pandemic, the Board of Studies Meeting (dated: 30.01.2021) of CSE Department was conducted as online meeting.