P.O. SRINIVASNAGAR, MANGALURU-575025



MINUTES OF THE 38th Meeting of BOARD OF STUDIES

Date: 13.03.2023 (Monday)

Time : 3:00 PM

Venue : Board Room

N.I.T.K., Surathkal

Minutes of the Thirty Eighth combined Board of Studies (UG, PG & Research) Meeting held on Monday, 13th March 2023 in the Board Room of NITK Surathkal.

MEMBERS PRESENT

1)	Dr. Vidya Shetty K.		Chairman
2)	Mr. K. Ravindranath		Member
3)	Dr. Vijay Sai		External Member
4)	Dr. Deepti P.P	5.361	External Member
5)	Dr. G.C. Mohan Kumar		Member
6)	Dr. Narendranath S.		Member
7)	Dr. Shrikantha Rao		Member
8)	Dr. S.M. Kulkarni		Member
9)	Dr. Ramesh Kini M.		Member
10)	Dr. K. Manjunath Sharma		Member
11)	Dr. Ashivni Chaturvedi		Member
12)	Dr. Manu Basavaraju		Member
13)	Dr. Jaidhar C.D	là. Jh	Member
14)	Dr. Dattatreya Gaonkar		Member
15)	Dr. Jagadeesh Babu		Member
16)	Dr. Ravikiran Kadoli		Member
17)	Dr. B.R. Jayalekshmi		Member
	(Represented by Dr. M.C. Narasia	mhan)	
18)	Dr. B.M. Doddamani		Member
19)	Dr. Ravi Shankar		Member
20)	Dr. Uday Kumar Dalimba		Member
21)	Dr. Uday Shankar		Member
22)	Dr. R. Madhusudhan		Member
23)	Dr. Sheena		Member
24)	Dr. M.Aruna		Member
25)	Dr. Mallikarjun Angadi		Member
26)	Ms. Sandhya AR (Academic) i/c	•••	Secretary

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Minutes of Thirty Eighth (38th) BOS meeting held on 13-03-2023 (Monday) at 3.00 pm in the Board Room

The Chairman (BOS) and Dean (Academic) chaired the meeting and welcomed all the members to the **Thirty eighth BOS meeting**.

ITEM No. 38-BOS-A: Confirmation of minutes of 37th meeting of the BOS held on 20th July, 2022 at 3.00 pm

The minutes of **Thirty seventh BOS** meeting was approved as there were no comments received from the members.

ITEM No.: 38-BOS-1 Proposals of Department of Computer Science and Engineering

1.1. Modification of Suggested Plan of study in B.Tech Program.

Proposal	BOS Resolution	farctace
The DFC of the Department of Computer Science and Engineering has proposed the following modifications in the suggested Plan of Study in the B.Tech curriculum, 2023 as listed below. 1. CS112: Discrete Mathematical Structures course to be moved to II Semester	The BOS resolved to recommend the proposal of the DFC of Department of Computer Science and Engineering for the following modifications in the suggested Plan of	For Senate approval
2. MA208: Probability Theory and Application course to be moved to IV Semester	Study in the B.Tech curriculum 2023.	The DF
3. SM300 : Engineering Economics course to be moved to V semester	soul and Sternonics; sq	edig 15 Sugippe da el
4. CS253:Design and Analysis of Algorithms course to be moved to V Semester The proposed suggested plan of study and the details are attached as Annexure - I Page No. 2,4-7		but the country of the country or

1.2 Handling of C programming and Python Programming courses by ECE, EEE and IT departments for their first year B.Tech students.

Proposal	BOS Resolution	redución en l'A
The DFC of the Department of Computer Science and Engineering has placed the following requests.	After the deliberations, BOS resolved that the Heads of ECE, EEE and	Reporting to Senate
1. C Programming and C Programming Lab (CS110 and CS111) courses for the B.Tech ECE and B.Tech IT students should be handled by the respective parent department.	IT Departments may discuss the matter in their respective DFC and the DFC resolution/recommendations may be presented in the next	
2. Python Programming and Python Programming Lab (CS100 and CS101) courses for the B.Tech EEE should be handled by the respective parent department.	BOS meeting.	
The details are attached as an Annexure-I, Page No. 2,5,6	ic of the Desidendition of Section College	CledT Conglet

ITEM No: 38-BOS-2 Proposals of Department of Electrical and Electronics Engineering

2.1. Proposal to start a new M.Tech Programme on M.Tech in Power Electronics and Control (PE&C)

Proposal	BOS recommendation	isms bibina
The DPGC of the Department of Electrical and Electronics		For Senate
Engineering has proposed		Approval
program in Power Electronics	Electronics Engineering to	
and Control (PE&C) in addition to the existing PG		manague manag V
	Electronics and Control	
M.Tech programme is proposed by reducing the	(PE&C) with intake of 18 by splitting the intake of the	THE STATE OF

Intake seats of existing M.Tech in Power and Energy Systems as below without additional requirement of Financial support/infrastructure and faculty.

The DPGC has provided its recommendations on the Programme structure, suggested plan, credit requirements and course content for the conduct of the programme.

The details are attached as an Annexure - II, Page No. 3, 5-13

Sl. No	PG Programme	Proposed Intake (with Gate scholarships)	Propos ed Self- financed seats	Prop osed M- Tech (Rese arch)
1	Existing: M-Tech in Power and Energy Systems (P&ES)	18	10	2
2	New: M-Tech in Power Electro- nics and Control (PE&C)	18	10	2

existing M.Tech programme on Power and Energy Systems and with 10 self- financed seats and two M.Tech (Research) seats.

It is resolved to recommend that the DPGC of the Department of Electrical and Electronics Engineering may provide appropriate justifications for the start of the new programme.

Further, it is recommended that the DPGC may deliberate on the curriculum for the new M.Tech programme by inviting experts from industry and academia (one each) and frame the curriculum based on the outcome of such a deliberation which may be submitted to Chairperson, BOS with the along justification.

The BoS resolved to authorize Chairperson, BOS to take appropriate decision on the acceptance of the curriculum for placing for Senate approval.

For further action by Chairperson, DPGC, EEE Department

2.2 Addition of one new elective course in M.Tech programme.

The DPGC of Department of **Electrical and Electronics Engineering** has proposed for the addition of the following new elective course in M.Tech programme

Proposal

EE878: Statistics for Machine Learning (3-0-2) 4

(Power and Energy Systems)

The course content and other details are attached as Annexure-II, Page No. 3,4

BOS recommendation

The BOS resolved to recommend the proposal of DPGC of Department of Electrical and Electronics Engineering to add the new elective courses with the changed title as follows:

EE878 Statistics for Data Analysis (3-0-2) 4 For Senate approval

2.3 Change of course content and L-T-P structure of the elective courses EE430 and EE319

The DUGC of the Department of Electrical and Electronics Engineering has proposed to change the course content and L-T-P structure of the elective course EE430 and EE319 with details as below:

Proposal

EE430: Robot Dynamics and Control (3-0-2)4

EE319: Neural Networks and Applications (3-0-2)4

The details are attached as Annexure-II, Page No. 14, 15

BOS recommendation

The BOS resolved to recommend the proposal of DPGC of Department of Electrical and Electronics Engineering to change the course content and L-T-P structure of the elective course EE430 and EE319, but with the following titles as existing in 2022 curriculum.

EE430 Introduction to Robot Dynamics and Control (3-0-2)4

EE319 Neural Networks and Applications (3-0-2)4

For Senate Approval

2.4. Change of Minimum credit requirement for B.Tech Honors degree in Electrical and Electronics Engineering from present 20 credits to 16 credits.

Proposal BOS r The DUGC of the Department of Electrical and Electronics Engineering has proposed to change the minimum credit requirement for B.Tech Honors degree from present 20 credits to 16 credits. BOS r The DUGC of the Department of The recom the DUGC of Electronics of Electronics the DUGC of Electronics and the DUGC of Electronics the DUGC of Electronics and the DUGC of Electronics the DUGC of Electronics and the DUGC of the Department of The recom the DUGC of the Department of The recom the DUGC of the Department of Electronics and Electronics and the DUGC of the Department of The recom the DUGC of the Department of Electronics and Electronics and the DUGC of the Department of The recom the DUGC of the Department of Electronics and Electronics an

BOS recommendation

The BOS resolved to recommend the proposal of the DUGC of the Department of Electrical and Electronics Engineering to change the minimum credit requirement for B.Tech Honors degree from present 20 credits to 16 credits.

For Senate approval

2.5. Addition of Four elective courses in the B.Tech Program.

Proposal The DUGC of the Department of Electrical and Electronics Engineering has proposed to add the following four elective courses in the UG Programme.

EE403: Deep Neural Network (3-1-0) 4

EE405: Deep Neural Network Laboratory (0-0-3) 2

EE401: Time Series Analysis and Forecasting (4-0-0) 4

EE407: Modelling of Electrical Machines (4-0-0) 4

The course content and other details are attached as Annexure-II, Page No. 15-17, 21,22

BOS recommendation

The BOS resolved to recommend the proposal of the DUGC of the Department of Electrical and Electronics Engineering for the inclusion of the following two elective courses EE401 and EE407 with the course credit structure as below in the UG Programme

EE401: Time Series Analysis and Forecasting (3-0-2) 4 EE407: Modelling of Electrical Machines (4-0-0) 4

The **BOS** also resolved to not recommend the inclusion of the following two electives and suggested that it may be presented in the next BOS after discussion in the DFC regarding combining these two courses as one course with appropriate (L-T-P) C structure.

For Senate approval

Reporting to Senate

EE403: Deep Neural Networks (3-1-0) 4

EE405: Deep Neural Network

Laboratory (0-0-3) 2

ITEM No.: 38-BOS-3 Proposal of Department of Electronics and Communication

Engineering

3.1. Proposal to change the minimum credit required for final year B.Tech.

The DUGC of the Department of Electronics and Communication Engineering has proposed that the minimum credit requirement for final year students may be reduced to 6 from the existing 12 credits so as to allow them to focus on their major project.

Proposal

BOS recommendation

The BOS resolved not to recommend the proposal of the DUGC of the department of Electronics and Communication Engineering on changing the minimum credit requirement for final year students from the existing 12 credits to 6 credits.

Reporting to Senate

3.2. Modification in the curriculum of M.Tech VLSI Design

The DPGC of the Department of Electronics and Communication Engineering has proposed the following modifications in the curriculum of M.Tech VLSI Design.

(a) Revision of the course contents of core course EC701 in M.Tech VLSI Design

The DPGC of Department of Electronics and Communication Engineering has proposed the Revision of the course contents of the following core course EC701: CMOS VLSI (4-0-0) 4, by moving Application oriented course contents of core course EC701 to an elective course EC806, where EC806 is renamed as Design and Modelling of Digital Systems.

The revised course content for **EC701** and other details are provided in **Annexure – III Page No. 2, 4**

BOS recommendation

resolved that the DPGC of Department of Electronics and Communication Engineering may deliberate on these modifications by inviting the experts for the DPGC meeting and the DPGC recommendations based on the expert opinion may be placed in the next meeting of the BOS for decision.

Reporting to Senate

(b) Revision of credits

The DPGC of Department of Electronics and Communication Engineering has proposed to revise the L-T-P of the following course from (4-0-0)4 to (3-0-2) 4, while keeping total credits same and add some new references.

Proposal

EC704: VLSI Design Automation (3-0-2) 4

EC792: High Performance Computing Architecture (3-0-2) 4

EC802: Low Power VLSI
Design (3-0-2) 4
The details are attached as
ANNEXURE-III, Page No.17

BOS recommendation

The BOS resolved to recommend the proposal of the DPGC of Department of Electronics and Communication Engineering to revise the L-T-P of the courses EC 704, EC 792 and EC 802 from (4-0-0)4 to (3-0-2) 4, while keeping total credits same and with the addition of some new references.

For Senate Approval

(c) Change of course from elective to core

Proposal Looking into importance of device modelling, the DPGC of the Department of Electronics | Electronics and Communiand Communication Engineering has proposed to add the following course (EC706) as a in the first course semester in place of EC791 and Algebra Linear Stochastic Process and to add EC791 in the elective courses list.

Microelectronic EC706: Devices and Technology (4-0-4)4

The details are attached as ANNEXURE- III, Page No. 4,5

BOS recommendation

The BOS resolved that the DPGC of Department of Engineering cation deliberate on these modifications by inviting the experts for the DPGC meeting and the DPGC recommendations based on the expert opinion may be placed in the next meeting of the BOS for decision.

Reporting to Senate

(d) Revision of course syllabus and renaming of courses

The DPGC of the Department of Electronics and Communi-Engineering cation proposed to rename the course EC806 Digital Design using FPGA as the following and revise the course syllabus.

The Proposal

and EC806: Design Digital Modelling of Systems (2-0-3)4

The details are attached as ANNEXURE- III, Page No. 6

BOS recommendation

The BOS resolved that the DPGC of Department of Electronics Communication Engineering may deliberate on these modifications by inviting the experts for the DPGC meeting and the DPGC recommendations based on the expert opinion may be placed in the next meeting of the BOS for decision.

Reporting to Senate

(e) Suggested plan of study

The Proposal			
The DPGC of the Department of			
Electronics and Communication			
Engineering has proposed the			
modifications in the suggested			
plan study as presented below for			
M.Tech (VLSI Design).			

Revised Suggested Plan of Study

Sl.	Semester				
No	I	II	III	IV	
1	EC701	EC703	EC7 29	EC73	
2	EC702	EC704			
3	EC705	EC792			
4	EC706	Electiv e 3			
5	Elective 1	EC727	erri Bil	e arga H	
6	Elective 2	EC728	201		

The BOS resolved that the DPGC of Department of Electronics and Communication Engineering may deliberate on these modifications bv inviting the experts for the DPGC meeting and the DPGC recommendations based on the expert opinion may placed in the next meeting of the BOS for decision.

BOS recommendation

Reporting to Senate

3.3. Modification in M.Tech (Signal Processing and Machine Learning) curriculum.

The DPGC of the Department of Electronics and Communication Engineering has proposed the following modification in M.Tech (Signal Processing and Machine Learning) curriculum.

a) Change of Elective courses as core courses in M.Tech program (Signal Processing and Machine Learning)

The Proposal	BOS recommendation
Communication Engineering	DPGC of Department of Electronics and

Reporting to Senate

core courses in the M.Tech programme

EC765: Time Series
Analysis and Data Science
(4-0-0) 4 in place of EC792
High Performance Computing
Architectures and add
EC792 in the elective course
list.

experts for the DPGC meeting and the DPGC recommendations based on the expert opinion may be placed in the next meeting of the BOS for decision.

EC766: Deep Learning and Applications in place of EC761— Information Processing and Compression and EC761 to be added to the list of elective courses.

The details are attached as ANNEXURE- III, Page No. 5,7,8,17

(b) Suggested Plan of Study for SPML

Proposal

The DPGC of the Department of Electronics and Communication Engineering has proposed for the modifications in the suggested plan study as presented below for M.Tech (Signal Processing and Machine Learning)

Suggested Plan of Study

SI.	Semester			علها
No.	I	II D	III ·	IV
1	EC791	EC765	EC789	EC790
2	EC793	EC766		
3	EC762	EC763	I DELL	
4	EC764	EC788	F 1	
5	EC787	Elective 2	To	
6	Elective 1	Elective 3	éto. Nati	

BOS recommendation

The BOS resolved that the DPGC of Department of Electronics and Communication Engineering may deliberate on these modifications by inviting the experts for the DPGC meeting and the DPGC recommendations based on the expert opinion may be placed in the next meeting of the BOS for decision

Reporting to Senate

3.4. Modification in M.Tech (Communication Engineering and Networks)

The DPGC of the Department of Electronics and Communication Engineering has proposed the following modifications in M.Tech Communication Engineering and Networks curriculum.

(a) Change of the Elective courses as core courses in M.Tech program (Communication Engineering and Networks)

Proposal	BOS recommendation
The DPGC of the Department of Electronics and Communication Engineering has proposed to add the following elective courses as core courses in the M.Tech programme (Communication Engineering and Networks).	The BOS resolved that the DPGC of Department of Electronics and Communication Engineering may deliberate on these modifications by inviting the experts for the DPGC meeting and the DPGC
(1)EC735: Signal Processing for Communication Systems (3-0-2) 4 in place of EC793-Signal Analysis and Processing and to add EC793 in the elective course list.	recommendations based on the expert opinion may be placed in the next meeting of the BOS for decision.
(2) EC737: Nano-Photonics (4-0-0) 4 in place of EC733-Optical Networks and Switching and to add EC733 in the elective course list.	Total
The details are attached as ANNEXURE- III, Page No. 8,9	100 cm c 200

Reporting to Senate

(b) To replace the core course EC731 with EC738

Proposal	BOS recommendation
The DPGC of the Department of Electronics and Communication Engineering has proposed to add	The BOS resolved that the DPGC of Department of Electronics and Communication Engineering may deliberate on these modifications by
EC738-Next generation Wireless Systems and Networks: (4-0-0) 4 as a core course in place of	inviting the experts for the DPGC meeting and the DPGC recommendations based on the expert opinion may be placed in the next meeting of the
	BOS for decision.
EC731 Wireless Communication and Networks (4-0-0)4 and to add EC731 as an elective course	ot of the Department of the State of the Sta
The details are attached as ANNEXURE- III, Page No. 10	cutres some trace M. Frage line on the Vilomorphism and uning and unitworks). The line uning and unitworks and allowers and and allowers are allowers and allower

Reporting to Senate

c) Revision of the references

Proposal	BOS recommendation
The DPGC of the Department of Electronics and Communication Engineering has proposed to revise the references of the following course EC732: RF Circuit Design (4-0-0) 4	The BOS resolved to recommend the proposal of DPGC of the Department of Electronics and Communication Engineering for the revision of the references for EC732.
The details are attached as ANNEXURE-III, Page No.9	

(d) Introduction of new elective courses

Proposal BOS recommendation The DPGC of the The BOS Department of Electronics Communication Engineering has proposed to of introduce the following new Elective courses M.Tech in program M.Tech Communication Engineering and Networks. ing and Networks. EC854: RF Transceiver System Design for Wireless the Communication (4-0-0) 4 and EC855: VLSI for Wireless Communication (4-0-0) 4 EC856: Modern Control Codes for Wireless and Storage Systems (4-0-0)4 15, 16 EC857: Wireless Optical Communication (4-0-0) 4 EC858: Multi-User Communications and Networks(4-0-0) 4

resolved to recommend the proposal of the DPGC of the Department Electronics Communication Engineering to introduce the new Elective courses for the program in Communication Engineer-

The BOS has resolved that the DPGC of Department of Electronics Communication Engineering may provide the course content for these courses in brief for inclusion in the curriculum. revised course content for these courses are provided in Annexure III Page No.

For Senate Approval

For Senate **Approval**

12, 15, 16

The course content and other details are attached as Annexure-III, Page No. 10-

(e) Modification in the suggested plan of study

Proposal

BOS recommendation

The **DPGC** of Department of Electronics and Communication Engineering has proposed the following suggested plan of study for **Communication** Engineering and Networks

SI		Semest	er	
No	I	II	III	IV
1	EC737	EC738	EC 759	EC760
2	EC732	EC734	33-3	
3	EC791	EC758	ti.	Jack
4	EC735	EC736	EXECUTE:	
5	EC757	Elective 2	Lines Tage	
6	Elective 1	Elective 3		

The BOS resolved that the DPGC of Department of Electronics and Communication Engineering may deliberate on these modifications by inviting the experts for the DPGC meeting and the DPGC recommendations based on the expert opinion may be placed in the next meeting of the BOS for decision.

Reporting to Senate

3.5. Inclusion of 900 level course

Proposal

BOS recommendation

The DRGC of Department of Electronics and Communication Engineering has proposed to include the following 900 level course for Ph.D.

EC915: Advanced VLSI Fabrication Processes 4

The course content and other details are attached as Annexure-III, Page No. 13

The BOS resolved to recommend the proposal of the DRPC of the department of Electronics and Communication Engineering to include the 900 level course EC915 for Ph.D.

For Senate approval

Item No.: 38-BOS-4: Proposals of the Department of Information Technology

(a) Minor changes in Programme Specific Elective course for B.Tech in Information Technology.

The DFC of the Department of Information Technology has proposed for the minor changes in the following Programme Specific Elective courses for B.Tech in Information Technology.

Proposal

1. IT407: Technologies for Internet of Things (3-0-2) 4 credits
The details are attached as Annexure- IV, Page No. 2,3

BOS recommendation

The BOS resolved to recommend the proposal of the Department of Information Technology for the minor changes in Programme Specific Elective courses for B.Tech in Information Technology.

For Senate approval

(b) Minor changes in Programme core and minor courses IT301/IT301M

BOS recommendation Proposal The DFC of the Department The BOS resolved of Information Technology recommend the proposal of minor DFC of the Department of has proposed Information Technology for changes in the following changes the minor programme core and minor course content details of the courses for B.Tech. Programme core and minor courses for B.Tech. 1. IT301/IT301M: Parallel Computing (3-0-2) credits. The modified course content are attached details Annexure- IV, Page No. 2,4

For Senate approval

(c) Minor changes in Programme Specific Elective courses for M.Tech in Information Technology

Proposal	BOS recommendation	
The DFC of the Department of Information Technology has proposed for the minor	The BOS resolved to recommend the proposal of the DFC of Departmen of Information Technology	For Senate approva
changes in the following course	for the minor changes in the course contents details	OFFI S.IT
T825: Designing Internet of Things (3-0-2) 4 credits	of the following course.	ing sun
la seraelo realmis	IT825: Designing Internet of Things (3-0-2) 4 credits	m Reage m
The modified course content details attached as Annexure-IV, Page No. 2,3	or school in Reagt	Tribunies

ITEM No: 38-BOS-5: Proposals of Department of Mathematics and Computational Science

Proposal	BOS recommendations	
The DFC of Department of Mathematical and Computational Science (MACS) has proposed to include the following new elective in M.Tech (CDS) MA871:Data Structures and Algorithms (4-0-0) 4 The course content and other details are attached as ANNEXURE-V, Page No. 3	The BOS resolved to recommend the proposal of the DFC of Department of Mathematical and Computational Science for the inclusion of the new elective MA 871 by adding laboratory exercises in the content with course credit structure as follows: MA871:Data Structures and Algorithms (3-0-2) 4	For Senate approval

Proposal	BOS recommendations	
The DFC of Department of Mathematical and Computational Science (MACS) has proposed to Change the title, (L-T-P) credits and course contents of the following course.	The BOS resolved to recommend the proposal of the DFC of Department of Mathematical and Computational Science (MACS) to change the title, (L-T-P) credits and course contents of the course MA 939.	For Senate approval
MA939: Topics of Functional Equations (3-0-0) 3 to	heo i kanagasat aj maylon k	MARIN NASA
MA939 Theory of Functional Equations (4-0-0)4	As Isabaha na Ma	General Services
The Revised course content and other details are attached as ANNEXURE-V, Page No. 4	- 1 Total Office and Total	Express
Proposal The DFC of the Department Mathematical and Computation Science (MACS) has proposed Change the following course titles	onal recommend the proposal of the DFC of Department of Mathematical and	For Senate approval
i) MA 607: Database Manager Systems to MA 607: Database Syst		iseur mo
(MCA)	MA660, MA709 and MA922.	
(MCA) ii) MA660: Advanced Data	MA922. base 660:	esposib A nation p Sawin
ii) MA660: Advanced Data Management Systems to MA Advanced Database Systems (MCA) iii) MA709: Database Managemen MA709: Database Systems (C	MA922. .660:	ESTATION OF THE PROPERTY OF TH
ii) MA660: Advanced Data Management Systems to MA Advanced Database Systems (MCA) iii) MA709: Database Managemen MA709: Database Systems (C M.Tech)	MA922. t to Other base 922	ESPANIO A TATALOS SERVINIOS ALANAMA

The DFC of the Department of	The BOS resolved to
Mathematical and Computational Scien ce (MACS) has proposed to Change the credits of the following course	recommend the proposal of the DFC of Department
MA924 : Analysis & Design of Algorithms (3-0-0) 3	credits of the course MA 924 from (3-0-0) 3 to (4-0-0) 4 with the revised
MA924: Analysis & Design of Algorithms (4-0-0) 4 with revised course Content	content.

ITEM No.: 38-BOS-6: Proposals of Department of Mechanical Engineering

(a) Inclusion of new electives in the final year B.Tech Mechanical Engineering.

Proposal	BOS recommendations	
proposed to include the following electives for B.Tech	recommend the proposal of the DUGC of Department of Mechanical Engineering to include the following electives	For Senate approval
1.ME442 Aerodynamics (3-0-0)3	ME442 Aerodynamics (3-0-0-)3	
2. ME443 Mechanical Vibration and Acoustics (3-0-0)3	ME443 Mechanical Vibration and Acoustics (3-0-0)3	
3. ME444 Data Processing in Machine Learning (3-0-0)3 The course contents and other details are attached as Annexure - VI Page No. 2, 5,17,18	Further, BOS resolved to recommend the inclusion of ME444 with the change in title as Data driven Modeling using Machine learning and (L-T-P) C structure as (3-1-0)4	For Senate approval

(b)	Inclusion	of	new	elective	for	M.Tech	(Thermal
Eng	gineering) p	rogi	amme	e .			

Proposal BOS recommendations The DPGC of the Department of The BOS resolved not to Mechanical Engineering has recommend the proposal of the proposed the inclusion of the DPGC of following electives for the Mechanical M.Tech programme. inclusion of the courses ME 874 and ME 875 as electives for 1. ME874 Conduction and M.Tech. Radiation (3-0-0)3 2. ME875 Convective heat The BOS suggested that the DPGC transfer (3-0-0)3may provide the detailed course content to show the appropriateness The course content details are of these courses as PG level electives attached as Annexure - VI,

Reported to Senate

of

for

Department

Engineering

and present the same in the next

(c) Revision in the course content

Page No. 2.8-10

BOS for decision.

ITEM No.: 38-BOS-7: Proposals of Department of Metallurgical and Materials Engineering

Proposal	BOS recommendations	
Proposal The DUGC of the Department of Metallurgical and Materials Engineering has proposed the request of III year UG students for the inclusion of SM300: Engineering Economics as a Humanities and Social Science Core (HSC) in the curriculum of the B.Tech VI Semester for the Metallurgical and Materials Engineering The details are provided as Annexure - VII, Page No. 1-9, 10,13	The BOS resolved to recommend the proposal of the DUGC of the Department of Metallurgical and Materials Engineering for the inclusion of SM300: Engineering Economics as a Humanities and Social Science Core (HSC) in the curriculum of the B.Tech Metallurgical and Materials Engineering in VI Semester with the consequential increase in the HSC credits from 6 to 9 and the Minimum total number of credits to be earned for the	For Senate approval
	award of B.Tech degree from 165 to 168 credits.	

ITEM No.: 38-BOS-8: Proposals of Department of School of Humanities, Social Sciences and Management

(a) Revision of the course content for SM302 of UG program

Proposal	BOS recommendation	
The DFC of the School of	The BOS resolved to	For Senate
Humanities, Social	recommend the proposal	approval
Sciences and Management	of the DFC of School of	Farenga.
has proposed to revise the	Humanities, Social	
course content of the	Sciences and Management	
following Course for B.Tech	to revise the course content	
programme.	of the following Course for	
	B.Tech programme.	
SM302: Principles of	30.83	
Management (3-0-2)3	SM302 : Principles of	No vide
	Management (3-0-2)3	
The revised course content		
and details are provided in	rsu, cominu aletado " ! ! ! !	
Annexure- VIII Page 6,22	Ted ax on Annexage	

(b) Integrate two courses on Entrepreneurship offered to all branches of the B.Tech program as a new course

BOS recommendation Proposal The DFC of the School of The BOS resolved to Humanities, Social Sciences recommend the proposal of Management has DFC of School the of proposed to integrate the Humanities, Social Sciences following two courses (SM451 and Management to integrate SM459) on the two courses (SM451 and Entrepreneurship offered to all SM459) on Entrepreneurbranches the B.Tech ship offered to all branches of of program and offer a new the B.Tech program and offer course SM460. a new course SM460. Existing SM451: Foundation course on Entrepreneurship SM459: Advanced Course on Entrepreneurship New course SM460: Contemporary Entrepreneurship (3-1-0)4 The details are provided in Annexure- VIII Page 6, 22

(c) Revise and revamp the course content of the courses in MBA program

Proposal	BOS recommendation	
Humanities, Social Sciences	The BOS resolved that the DPGC of School of Humanities, Social Sciences and Management may deliberate on these modifications by Reporting Senate	to
	In-consider elements (FW)	

For Senate

approval

SM713:Financial Accounting

SM714:Managerial Economics

SM721: Managerial Accounting Course

SM722:Marketing Management

SM724:Operational Management

SM725: Financial Management

SM731: Strategic Management

SM831:International Financial

Management

SM823: Brand Management

SM859: Machine Learning for

Business Management

SM824: Consumer Behaviour

SM864: International Business

Management

inviting experts for the DPGC meeting and the DPGC recommendations based on the expert opinion may be placed in the next meeting of the BOS for decision.

(d) Renaming the Courses

Proposal

The DFC of the School of Humanities, Social Sciences and Management has proposed to rename the following courses.

sm711:Research Methodology renamed as Business Research Methods (SM-728). This course shall be moved from the first semester to second semester MBA.

SM716: Corporate Communication renamed as Managerial Communication with revision

BOS recommendation

The BOS resolved that the DPGC of School of Humanities, Social Sciences and Management may deliberate on these modifications by inviting experts for the DPGC meeting and the DPGC recommendations based on the expert opinion may be placed in the next meeting of the BOS for decision.

Reporting to Senate

in course content by adding a few more topic to it.

SM738: Summer Internship project renamed as Internship and credits shall be reduced from 8 to 3

SM748: Term Paper to be renamed as Major Project and credits shall be changed from 3 to 8

SM825: Marketing Research renamed as Research for Marketing Decisions with revised and updated content and references.

SM832: Banking, Financial Services and Insurance renamed as Banking and Financial Intermediation with revised content and updated reference.

SM846: Supply Chain Management renamed as Logistics and Supply Chain Management

SM847: Forecasting models shall be renamed as Demand Forecasting and moved from Analytic Group to Operations Group (G4)

SM860: Data Analytics:
Business Decision making
renamed as Multivariate
Modeling with revision of
course content.

(e)	Renaming	of	Group	5:	Analytics	as	Information
Syst	tems and A	Anal	ytics				

The DFC of the School of Humanities, Social Sciences and Management has proposed rename the Group Information Analytics as Systems and Analytics.

Proposal

The BOS resolved that the DPGC School of of Humanities. Social. Sciences and Management may deliberate on these modifications by inviting experts for the DPGC meeting and the DPGC recommendations based on the expert opinion may be placed in the next meeting of the BOS for decision.

BOS recommendations

Reporting to Senate

(f) To remove all seminar courses from Mandatory Learning courses and introduce three new courses

The DFC of the School Humanities, Social Sciences and DPGC of School of Management has proposed to Humanities, remove all seminar courses (SM719, | Sciences and Management and SM739) Mandatory Learning courses and introduce the following three new courses

Proposal

SM710: Basic course TABLEAU/POWERBI SPSS/SAS, (Lab course) 1 credit

SM720: Basics of R/PYTHON (Lab coursel 1 credit

SM730: Corporate Grooming 1 credit

of The BOS resolved that the Social from may deliberate on these modifications by inviting experts for the DPGC meeting and the DPGC recommendations based on the expert opinion may be placed in the next meeting of the BOS for decision.

BOS recommendations

Reporting to Senate

(g) Removal of the Courses

	Proposal	B
Humanitie	of the School of s, Social Sciences gement has proposed	The DP0

BOS recommendations e **BOS** resolved that the GC School of of manities, Social

Reporting to Senate

(i) to remove the Marketing courses viz. SM819, SM821, SM827, SM828 and SM830 from Group 2.

(ii) to remove **SM854** Product processing from Analytics – Group 5

(iii) to remove **SM862**: Contemporary Issues in Management from Group G – General Electives. Sciences and Management may deliberate on these modifications by inviting experts for the DPGC meeting and the DPGC recommendations based on the expert opinion may be placed in the next meeting of the BOS for decision.

(h) Rectify the (L-T-P) credits

Proposal

The DFC of the School of Humanities, Social Sciences and Management has proposed to rectify the discrepancy in the credits of the course **SM718** Spreadsheet Modelling for Business and L-T-P changed from (2-0-2)2 to (2-0-2)3.

BOS recommendations

The BOS resolved to recommend the proposal of the DFC of School of Humanities, Social Sciences and Management to rectify the discrepancy in the credits of the course SM718 Spreadsheet Modelling for Business and L-T-P changed from (2-0-2)2 to (2-0-2)3.

For Senate Approval

(i) Adding a new course

Proposal

The DFC of the School of Humanities, Social Sciences and Management has proposed to add the following new courses to Human Resource Management of Group-1.

SM817: Management consulting (3-0-0) 3

SM838: Project Finance – A new course has been added to the Finance Group with (3-0-0)3 credits.

SM839: Behavioural Finance and Value Investing (3-0-0)3 added to

BOS recommendations

The BOS resolved that the DPGC School of Social Humanities, Sciences and Management may deliberate on these modifications by inviting experts for the DPGC meeting and the DPGC recommendations based on the expert opinion may be placed in the next meeting of the BOS for decision.

Reporting to Senate

the Finance Elective group (Group 3).

SM840: Financial Modelling added to the Finance Elective with (3-0-0)3 Credits.

SM848: Digital Transformation (3-0-0) to Operations group.

SM849: TQM and Lean Management (3-0-0)3 added to the Operations Elective.

Proposal

(j) Moving of the coursers across the groups

The DFC of the School of Humanities, Social Sciences and

SM857 HR Analytics and SM858 Marketing Analytics from the

Management has proposed to move

Analytics Group to Human Resource Management and Marketing Groups respectively.

SM855: Forecasting Models be moved to the Operations Elective Group from Analytics group.

BOS recommendations

The BOS resolved that the DPGC of School of Humanities, Social Sciences and Management may deliberate on these by inviting modifications experts for the DPGC meeting and the DPGC recommendations based on the expert opinion may be placed in the next meeting of the BOS for decision.

Reporting to Senate

(k) Splitting of a course to two new courses

Proposal

The DFC of the School of Humanities, Social Sciences and Management has proposed to split SM856: Introduction to Management Science and Big Data course to two new courses namely; SM872 - Decision Science (3-0-0)3 and SM873-Big Data analytics (3-0-0)3 with the new course content to both the two courses.

The BOS resolved that the DPGC of School of Humanities, Social Sciences and Management may deliberate on these modifications by inviting the DPGC experts for meeting and the DPGC recommendations based on the expert opinion may be placed in the next meeting of the BOS for decision.

BOS recommendations

Reporting to Senate

BOS recommendations

placed in the next meeting of the BOS for decision.

(1)	Intro	ducing	new	elective	
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Proposal

MAN COMPANY AND CONTRACTOR OF	THE MORNING SECTIONS AND MAINTAINS AND
The DFC of the School of Humanities, social Sciences and	
Management has proposed to	Humanities, Social
introduce a new elective	Sciences and Management
	may deliberate on these
SM817: Management Consulting	modifications by inviting
(3-0-0) 3	experts for the DPGC
The state of the s	meeting and the DPGC
	recommendations based on
	the expert opinion may be

Reporting to Senate

(m) Proposal for modification in suggested plan of study

Proposal					BOS recommendations	
Ma mo	manities nagemen dification dy as be	s, Socia nt has n in su clow for ggested pl	the School Science propose aggested pmBA programmed pm of study	es and ed for plan of	DPGC of School of Humanities, Social Sciences and Management may deliberate on these modifications by inviting experts for the DPGC	
No.			mester		meeting and the DPGC recommendations based on	
	I	II	III I	IV	the expert opinion may be	
1	SM710	SM720	SM730	SM741		
2	SM712	SM721	SM731	Elective	-CH - DOO for decision	
3	SM713	SM722	SM733	Elective	ra duadona en la	
4					- Y - L - CH - L Base H - SL	
	SM714	SM723	Elective 1	Elective		
5	MA715	SM724	Elective 2	Elective		
6	SM716	SM725	Elective 3	SM748	sk will be once the he	
7	SM718	SM726	Elective 4			
8	SM717	SM727	SM738			
9		SM728				

Reporting to Senate

Proposal	BOS recommendations		
Credit Requirements	The BOS resolved	Reporting to	
Category	Minimum Creditsto be Earned	that the DPGC of School of Humanities, Social	
Foundation Courses	>= 23	Sciences and Management may	a ser.
Functional Courses	>= 29	deliberate on these modifications by	Symmetry Lateral and the contract
Elective Courses	>= 24	inviting experts for the DPGC meeting	WI ORS
Mandatory Learning Courses (MLC)	3	and the DPGC recommendations	
Major Project	8	based on the expert	
The state of the s		opinion may be placed in the next meeting of the BOS for decision.	

ITEM No: 38-BOS-9: Inclusion of External Additional Guides

A) Department of Mathematical and Computational Sciences

Proposal	BOS recommendations	
DRPC of Department of Mathematical and Computational Sciences has proposed that Dr. Himadri Mukherjee, Asst Professor, BITS Pilani be considered as an Additional Research Guide for the Ph.D student Mr. Ajay P. Joseph. The details are enclosed as Annexure-IX Page 1-10.	consider Dr.Himadri Mukherjee, Asst Professor, BITS Pilani as an Additional Research Guide for the Ph.D student Mr. Ajay P. Joseph.	Reporting to Senate

The Chairman (BOS) proposed the vote of thanks to the members.

Secretary - BOS, NITK

Chairman-BOS, NITK