



(3)

PG Department of **ELECTRONICS and
INSTRUMENTATION TECHNOLOGY**
University of Kashmir

Notes:

Minutes of Board of Studies (BOS)

A Board of Studies (BOS) meeting for finalizing the Course structure for the Two/One Year Post Graduate Program in Electronics, under NEP-2020, was held on 06-05-2025, at 11:00 AM in the office chamber of the Head of the Department. The following members attended the meeting.

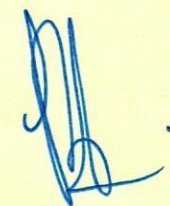
1	Prof. M. Tariq Bandy	HOD/Chairman
2	Dr. Farooq Ahmad Khanday	Member
3	Dr. Shabir Ahmad Parah	Member
4	Dr. Javaid Ahmad Sheikh	Member
5	Prof. Susheel Kumar Sharma	Member
6	Prof. Javaid Iqbal Shah	Member
7	Dr. Feroz Ahmad Mir	Member
8	Dr. Mohammad Rafi Beigh	Member
9	Ms. Farhat Roohi	Member
10	Ms. Mir Nazish	Sr. Scholar
11	Ms. Samrah Mehraj	Sr. Scholar

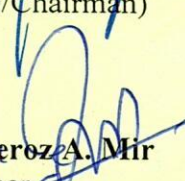
After thorough discussions and deliberations, the Board finalized the structure of both one-year and Two-Year PG programs in Electronics as per the guidelines of NEP-2020. The course structure of the Two-Year PG program is attached as Annexure-1, while that for the One-Year Program is attached as Annexure II.

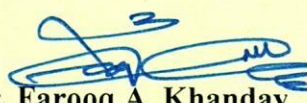
The meeting ended with a vote of thanks to the chair.

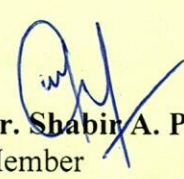

Prof. M. Tariq Bandy
(HOD/Chairman)

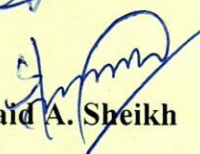

Prof. Susheel K. Sharma
Member

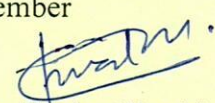

Prof. Javaid I. Shah
Member



Dr. Feroz A. Mir
Member

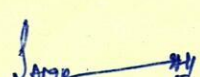

Dr. Farooq A. Khanday
Member



Dr. Shabir A. Parah
Member


Dr. Javaid A. Sheikh
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Ms. Farhat Roohi
Member

Dr. M. Rafi Beigh
Member

Ms. Samrah Mehraj
Sr. Scholar

Ms. Mir Nazish
Sr. Scholar

Annexure A

Framework for Two-Year Master's Programme in Electronics under NEP 2020

Semester	Credits	Course Code	Course Title	Hours		Credits
				Theory (L)	Lab (P)	
1	(3+1)	MELECEI125	Electronic Instrumentation	3	2	4
	(3+1)	MELECDS125	Digital Signal Processing	3	2	4
	(3+1)	MELECES125	Embedded Systems and Internet of Things	3	2	4
	(3+1)	MELECCE125	Communication Electronics – II	3	2	4
	Electives (Select any Two)					
	(3+1)	MELEDFE125	Foundations of Electronics-I	3	2	4
	(3+1)	MELEDEF125	Foundations of Electronics-II	3	2	4
	(3+1)	MELEDEM125	Essential Mathematics for AI	3	2	4
	(3+1)	MELEDOE125	Opto-Electronics	3	2	4
Total Credits: 24						
2	(3+1)	MELECPE225	Power Electronics	3	2	4
	(3+1)	MELECCS225	Control Systems	3	2	4
	(3+1)	MELECDA225	Digital and Analog IC Design	3	2	4
	(3+1)	MELECEW225	Electromagnetic Waves and Antennas	3	2	4
	Electives (Select Any two)					
	(3+1)	MELEDFE225	Foundations of Electronics-III	3	2	4
	(3+1)	MELEDAM225	Applied Mathematics and Programming	3	2	4
	(3+1)	MELEDSS225	Digital System Design and VHDL	3	2	4
	(3+1)	MELEDAI225	Introduction to AI and Machine Learning	3	2	4
Total Credits: 24						
3	(3+1)	MELECPS325	Physics of Semiconductor Devices	3	2	4
	(3+1)	MELECMS325	Material Sciences and VLSI Technology	3	2	4
	(3+1)	MELECMC325	Mobile Communication and Networks	3	2	4
	(3+1)	MELECME325	Microwave Engineering	3	2	4

Dr. H.R. Bhat

Dr. J.T. Shah

Dr. S.A. Pandey


Dr. F.A. Khan

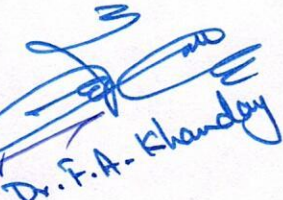
Dr. S. S. S. S. S.

Ms. Farhat Bhat

Nazish

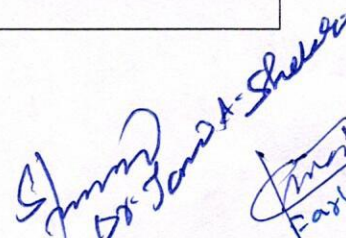
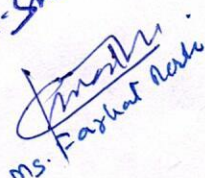

Semester	Credits	Course Code	Course Title	Hours		Credits
				Theory (L)	Lab (P)	
	(Elective E3) (Select any Two)					
	(3+1)	MELEDAM325	Advanced Microprocessors and Microcontrollers	3	2	4
		MELEDDA325	Introduction to Data Analytics	3	2	4
		MELEDNN325	Neural Networks and Deep Learning	3	2	4
		MELEDPA325	Programming for AI	3	2	4
Total Credits: 24						
4	Research Semester					
	Specialization Electives (Select two, one from each basket)					
	(3+1)	MELEDES425	Embedded System Design with ARM Cortex Microcontrollers	3	2	4
		MELEDDI425	Digital Image Processing	3	2	4
		MELEDLC425	Lightweight Cryptography	3	2	4
		MELEDMS425	Multimedia Signal Coding and Communication	3	2	4
	(3+1)	MELEDNE425	Nanoelectronics	3	2	4
		MELEDCI425	Computational Intelligence and Wireless Communications	3	2	4
		MELEDNC425	Neuromorphic Computing	3	2	4
		MELEDWE425	Wearable Electronics and Antennas	3	2	4
	(2+2)	MELECIT425	Industrial Training and Seminar Work	2	4	4
	(0+12)	MELECPI425	Project/Internship	0	24	12
	Total Credits: 24					


 Prof. Jyoti L. Sark

 Dr. R. A. M. V.

 Dr. F. A. Khanday


 Dr. S. A. Panch

 (Dr. M. R. Bigh)


 Dr. Jyoti L. Sark

 Ms. Farhat Akh
 Nazish.


Annexure B
Framework for One-Year Master's Programme in Electronics
under NEP 2020

Semester	Credits	Course Code	Course Title	Hours		Credits
				Theory (L)	Lab (P)	
1	(3+1)	MELECPS125	Physics of Semiconductor Devices	3	2	4
	(3+1)	MELECDS125	Digital Signal Processing	3	2	4
	(3+1)	MELECD125	Digital and Analog IC Design	3	2	4
	(3+1)	MELECMC125	Mobile Communication and Networks	3	2	4
	(3+1)	MELECME125	Microwave Engineering	3	2	4
	(Elective) (Select any one)					
	(3+1)	MELEDAM125	Advanced Microprocessors and Microcontrollers	3	2	4
		MELEDPA125	Programming for AI	3	2	4
		MELEDDA125	Introduction to Data Analytics	3	2	4
		MELEDNN125	Neural Networks and Deep Learning	3	2	4
Total Credits: 24						
2	Research Semester					
	Specialization Electives (Select two, one from each basket)					
	(3+1)	MELEDE225	Embedded System Design with ARM Cortex Microcontrollers	3	2	4
		MELEDDI225	Digital Image Processing	3	2	4
		MELEDLC225	Lightweight Cryptography	3	2	4
		MELEDMS225	Multimedia Signal Coding and Communication	3	2	4
	(3+1)	MELEDNE225	Nanoelectronics	3	2	4
		MELEDCI225	Computational Intelligence and Wireless Communications	3	2	4
		MELEDNC225	Neuromorphic Computing	3	2	4
		MELEDWE225	Wearable Electronics and Antennas	3	2	4
	(2+2)	MELECIT225	Industrial Training and Seminar Work	2	4	4
	(0+12)	MELEDPI225	Project/Internship	0	24	12
Total Credits: 24						

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 Dr. H. R. B. B. B.

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 Dr. F. A. K. K.

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 Dr. S. A. A.

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 Dr. K. K. K.

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 Dr. P. P. P.