ಮಂಗಳೂರು ವಿಶ್ವವಿದ್ಯಾನಿಲಯ

MANGALORE UNIVERSITY

(Accredited by NAAC)

ಕ್ರಮಾಂಕ/ No. : MU/ACC/CR 16/2023-24/A2

ಕುಲಸಚಿವರ ಕಛೇರಿ
ಮಂಗಳಗಂಗೋತ್ರಿ – 574 199
Office of the Registrar
Mangalagangothri – 574 199
ದಿನಾಂಕ/Date:09.10.2023

NOTIFICATION

Sub: Revised syllabus of M.Sc. Electronics Programme
Ref: Academic Council approval vide agenda
No.: ಎಸಿಸಿ: ಶೈ.ಮ.ಸಾ.ಸ.2:15(2023-24) dtd 04.10.2023.

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The revised syllabus of M.Sc. Electronics Programme which is approved by the Academic Council at its meeting held on 04.10.2023 is hereby notified for implementation with effect from the academic year 2024-25 and onwards.

Copy of the Syllabus shall be downloaded from the University Website (www.mangaloreuniversity.ac.in)

REGISTRAR

To

1. The Registrar (Evaluation), Mangalore University.
2. The Chairman Combined BOS in Electronics, Dept. of Electronics, Mangalore University.
3. Chairman, Dept. of Electronics, Mangalore University.
4. The Superintendent (ACC), O/o the Registrar, Mangalore University.
5. The Asst. Registrar (ACC), O/o the Registrar, Mangalore University.
6. The Director, DUIMS, Mangalore University – with a request to publish in the Website.
7. Guard File.

DEPARTMENTOFSTUDIESANDRESEARCHINELECTRONICS

Draft Structure of Revised Syllabus for M. Sc. Electronics Course

ISemester

HardCore

Sl. No.	Course	Credits
1	ELH401-Digital System Design	4
2	ELH 402-Microcontrollers and PIC	4
3	ELH403–Basic VLSI Design	3
SoftCore		
Sl. No.	**Course**	**Credits**
1	ELS404 -Verilog VHDL	
2	ELS405 –Power Electronics	3
3	ELS406–Computer Architecture	3
4	ELS407 –Python Programming	3
Practical		
1	ELP411–Digital Design using Verilog	3
2	ELP412–Microcontroller Lab	3
	IISemester	
HardCore		
Sl. No.	**Course**	**Credits**
1	ELH451 -Digital Signal Processing	4
2	ELH452-Digital and Wireless Communication	4
3	ELH453 -AI and Machine Learning	3
SoftCore		
Sl. No.	**Course**	**Credits**
1	ELS 454-Embedded System Design	3
2	ELS 455–Microwave Devices	3
3	ELS456-Low Power VLSI	3
4	ELS457–Internet of Things	
Practical		
1	ELP461 -AI/ML Lab	3
2	ELP462-DigitalSignalProcessing Lab	3
OpenElective		
Sl. No.	**Course**	**Credits**
1	ELE459–Introductionto Artificial Intelligence	3

IIISemester

HardCore

Sl. No.	Course	Credits
1	ELH501 –Digital Image Processing	4
2	ELH502 -VLSI (Advanced)	3
3	ELH503-Embedded Processors	3
SoftCore		
Sl. No.	**Course**	**Credits**
1	ELS504 -Data Science	3
2	ELS505-Deep Learning	3
3	ELS506–Cyber Security	3
4	ELS507–Nano Electronics	3
Practical		
1	ELP 511-VLSI Lab	3
2	ELP512 -Digital Image Processing Lab	3
OpenElective		
Sl. No.	**Course**	**Credits**
1	ELE509–Data Communication Technology	3

IVSemester

HardCore		
Sl. No.	**Course**	**Credits**
1	ELP551 -Project	18