

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Date: 07/07/2023

**Circular**

It is hereby informed to all the Faculties please fill the optional in subject allotment section. Each faculty must opt **minimum 1**

subject in **each semester** including 1<sup>st</sup> year courses.  
\* Also mention Lab Courses which can be handled

Siddesh  
HoD  
Dr. Siddesh G K



**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

**2<sup>ND</sup> SEM**

| # | SUBJECT NAME      | SUBJECT CODE |
|---|-------------------|--------------|
| 1 | Basic Electronics | BE           |
| 2 | Basic Electrical  | BEE          |
| 3 | IOT               | IOT          |

**3<sup>rd</sup> SEM**

| # | SUBJECT NAME                            | SUBJECT CODE |
|---|-----------------------------------------|--------------|
| 1 | Analysis and Design of Digital Circuits | ADDC         |
| 2 | Analog Electronic Circuits              | AEC          |
| 3 | Network Analysis                        | NA           |
| 4 | LICs Lab using PSPICE                   | LIC          |

5 Digital Sys Design with verilog DSDV

**5<sup>th</sup> SEM**

| # | SUBJECT NAME                                            | SUBJECT CODE |
|---|---------------------------------------------------------|--------------|
| 1 | Digital Communication                                   | DC           |
| 2 | Object Oriented Programming with Java & Data Structures | JAVA         |
| 3 | Computer Communication Networks                         | CCN          |
| 4 | Microwave Theory & Antennas                             | MWA          |
| 5 | IoT (Internet of Things) Lab                            | IOT-LAB      |
| 6 | Communication Simulink Toolbox                          | COMM LAB     |

**7<sup>TH</sup> SEM**

| # | SUBJECT NAME                               | SUBJECT CODE |
|---|--------------------------------------------|--------------|
| 1 | Computer Networks                          | CN           |
| 2 | VLSI Design                                | VLSI         |
| 3 | DSP Algorithms & Architecture <i>SATCM</i> | DSPA         |
| 4 | IOT & Wireless Sensor Networks <i>CRYP</i> | IOT&WS       |

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## Department of Electronics & Communication Engineering

AIET/ECE/AY2023-24/cir.no

Date- 07/07/23

### Circular

### Subject OPTION ENTRY of Individual staff - ODD Semester 2023-24

| #  | Staff                                      | SEM 1 <sup>ST</sup>                               | SEM 3 <sup>RD</sup>                              | SEM 5 <sup>TH</sup>  | SEM 7 <sup>TH</sup>      | Signature   |
|----|--------------------------------------------|---------------------------------------------------|--------------------------------------------------|----------------------|--------------------------|-------------|
| 1. | Dr. Siddesh G K -<br>HOD                   | Basic Electronics                                 | Network<br>Analysis                              | CCN                  | CN<br>Cryptography       | Siddesh     |
| 2. | Dr. Dattathreya                            | Basic Electronics                                 |                                                  | CCN                  | CN                       | Dattathreya |
| 3. | Dr. Manjunatha D.V.                        | <del>BASIC ELECTRONICS</del><br>BASIC ELECTRONICS | DSDV                                             |                      | VLSI Design              | D.V.        |
| 4. | Mr. Sudhakara H M                          | —                                                 | DSDV<br>A & D Lab                                | MWA                  | IOT & WS<br>Project work | HM          |
| 5. | Dr. Veeraprathap V                         | Basic Electronics                                 | Analysis & design<br>of Digital Unit<br>LTC Lab. | CCN<br>&<br>IOT Lab. | IOT & WS<br>Sat com.     | Dr. V.      |
| 6. | <del>Mr. Siddesh G K</del><br>Mr. Siddamal | Basic electronics<br>Basic electrical             | Neurosis<br>Analysis                             |                      |                          | Siddamal    |



|     |                                                   |                                              |                                                                                         |                                                      |                            |                |
|-----|---------------------------------------------------|----------------------------------------------|-----------------------------------------------------------------------------------------|------------------------------------------------------|----------------------------|----------------|
| 7.  | Dr. Guruprasad                                    |                                              |                                                                                         | IoT Lab                                              | IoT & wireless network     |                |
| 8.  | Mrs. Vijetha T.S.                                 | —                                            | —                                                                                       | DC<br>MWA                                            | DSPA                       |                |
| 9.  | Mr. Udaya Kumar. S                                | Basic Electronics & Digital Circuits<br>Co/- | Analysis & Design of Digital Circuits<br>① Analog Electronic Ckts<br>② Network Analysis | Digital Communication<br>Co/-                        |                            | Co/-<br>D.T.23 |
| 10. | <del>Mr. Roshan Shetty</del><br>Dr. Roshan Shetty |                                              |                                                                                         |                                                      |                            |                |
| 11. | Mr. Sushanth Lobo                                 |                                              |                                                                                         |                                                      | DSPA                       |                |
| 12. | Mrs. Bhagyashree K                                | Basic Electronics<br>Basic Electrical        | <del>Basic Electronics</del><br>DSDV                                                    | <del>Basic Electronics</del><br>Research Methodology | IoT & WSN                  |                |
| 13. | Mrs. Shwetha M.S                                  |                                              |                                                                                         |                                                      |                            |                |
| 14. | Mrs. Ansha Prathibha                              | Basic Electronics<br>Basic Electrical        | LTC Lab - Using<br>Pspice - Ability<br>Enhancement                                      | Research Methodology<br>Intellectual Property Rights | IoT & wireless<br>Sensors. |                |

course.



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|     |               |                   |                                                      |                             |                         |           |
|-----|---------------|-------------------|------------------------------------------------------|-----------------------------|-------------------------|-----------|
| 15. | Mr. Sameera P | Basic Electronics | Network Analysis                                     | Microwave Theory & Antenna  | Computer Networks       | Sameera-P |
| 16. | Mr. Napoleon  | IOT               | Analysis and design of Digital circuits<br>A&D - Lab | Microwave Theory & Antennas | VLSI design<br>VLSI Lab | MM        |

*Siddesh*  
Head of the Department  
Dr. SIDDESH G K

**N. O. D.**  
Dept Of Electronics & Communication  
Alva's Institute of Engg. & Technol.  
MIJAR, MOODBIDRI - 574 225



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## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

AIET/ECE/AY2023-24/cir.no

### Department of Electronics & Communication Engineering

Date- 01/09/23

#### Circular

#### Subject Allotted of Individual Faculty - ODD Semester 2023-24

| #  | Faculty             | SUBJECT 1                           | SUBJECT 2                          | SUBJECT 3                                               | SIGNATURE |
|----|---------------------|-------------------------------------|------------------------------------|---------------------------------------------------------|-----------|
| 1. | Dr. Siddesh G K     | Cryptography                        |                                    |                                                         |           |
| 2. | Dr. Dattathreya     | Computer Networks                   |                                    |                                                         |           |
| 3. | Dr. Manjunatha D.V. | Digital System Design using Verilog | VLSI Design                        |                                                         |           |
| 4. | Mr. Sudhakara H M   | Electronic Principles and Circuits  | Electronic Principles and Circuits |                                                         |           |
| 5. | Dr. Ganesh V N      | Computer Communication Networks     | Computer Communication Networks    | Research Methodology & Intellectual property Rights (2) |           |





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## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

|     |                        |                                             |                       |                                             |  |
|-----|------------------------|---------------------------------------------|-----------------------|---------------------------------------------|--|
| 6.  | Dr. Pradeep Kumar N. R | Network Analysis                            | Network Analysis      | Computer Organization & ARM Microcontroller |  |
| 7.  | Dr. Roshan Shetty      | Aptitude                                    | Aptitude              |                                             |  |
| 8.  | Dr. Guruprasad         | Computer Organization & ARM Microcontroller |                       |                                             |  |
| 9.  | Dr. Veerapathap V      | Basic Electronics                           | Basic Electronics     |                                             |  |
| 10. | Mrs. Vijetha T.S.      | Electromagnetic Waves                       | Electromagnetic Waves | Digital Communication                       |  |
| 11. | Mr. Udaya Kumar. S     | Basic Electronics                           | Basic Electronics     |                                             |  |
| 12. | Mr. K. V Siddamal      | Basic Electronics                           | Basic Electronics     |                                             |  |
| 13. | Dr. Napoleon           | Electronic Devices                          | Electronic Devices    |                                             |  |



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|     |                    |                                                              |                                                                      |                       |  |  |
|-----|--------------------|--------------------------------------------------------------|----------------------------------------------------------------------|-----------------------|--|--|
| 14. | Mr. Sushanth Lobo  | Satellite Communication                                      |                                                                      |                       |  |  |
| 15. | Mrs. Bhagyashree K | Basic Electronics                                            | Digital System Design<br>using Verilog                               | Digital Communication |  |  |
| 16. | Dr. Ganesh K       | Digital System Design<br>and Computer Organization<br>(AIML) | Digital System Design<br>and Computer Organization<br>(Data Science) |                       |  |  |

*Siddesh*  
Head of the Department  
Dr. SIDDESH G K





Alva's Institute of Engineering & Technology  
Shobhavana Campus, Mijar, Moodbidri, D.K - 574225  
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**DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING**

Date: 21/02/2024

**Circular**

It is hereby informed to all the Faculties please fill the optional in subject allotment section. Each faculty must opt **minimum 1** subject in **each semester**

*Siddesh*

HoD

Dr. Siddesh G K

H. O. D.

Dept. Of Electronics & Communication  
Alva's Institute of Engg. & Technology  
Mijar, MOODBIDRI - 574 225

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AIET/ECE/AY2023-24/cir.no

## Department of Electronics & Communication Engineering

Date- 21/02/24

### Circular

### Subject OPTION ENTRY of Individual staff - EVEN Semester 2023-24

| #  | Staff                              | SEM 2 <sup>ND</sup> | SEM 4 <sup>TH</sup>        | SEM 6 <sup>TH</sup> | SEM 8 <sup>TH</sup> | Signature |
|----|------------------------------------|---------------------|----------------------------|---------------------|---------------------|-----------|
| 1. | Dr. Siddesh G K -<br>HOD           |                     | OS                         | TIME                | AGLTE               | Siddesh   |
| 2. | Dr. Dattathreya<br>Dean - Planning |                     |                            | Cryptography        |                     |           |
| 3. | Dr. Manjunatha D.V.                | Basic ELNS          | Control systems            | VLSI                | Network Security    | D.V.      |
| 4. | Mr. Sudhakara H M                  | -                   | Microcontroller<br>8051    | MWA                 | NC                  | LD        |
| 5. | Dr. Veeraprabh V                   | Basic Electronics   | Basic signal processing    | Cryptography        |                     |           |
| 6. | Mr. Roshan Shetty                  | BE                  | EMW & Microcontroller 8051 | Mini project        | -                   | Roshan    |

Apti + GATE Apti + GATE

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|     |                    |                                       |                                                                              |                          |                                     |               |  |
|-----|--------------------|---------------------------------------|------------------------------------------------------------------------------|--------------------------|-------------------------------------|---------------|--|
| 7.  | Dr. Guruprasad     | <del>Andhra Pradesh</del>             |                                                                              |                          |                                     |               |  |
| 8.  | Dr. Ganesh V N     |                                       | Principles of Comm. System.                                                  | <del>TIME</del> TIME     | WC                                  | <del>B</del>  |  |
| 9.  | Dr. Ganesh K       |                                       | BSP                                                                          | GATE + APLI<br>MWA, TIME |                                     | <del>WC</del> |  |
| 10. | Dr. Napoleon       |                                       |                                                                              | <del>TIME</del> TIME/ME  |                                     | <del>WC</del> |  |
| 11. | Dr. Pradeep        | Basic Electronics                     | PCS<br>(Principles of Communication System)<br>EM<br>(Engg. Electromagnetic) | VLSI<br>MEMS<br>CYP      | WC                                  | <del>WC</del> |  |
| 12. | Mrs. Vijetha T.S.  |                                       | OS<br>EM                                                                     | (Cryptography)           | (Wireless & Cellular Communication) | <del>WC</del> |  |
| 13. | Mr. Udaya Kumar. S |                                       | Control Systems<br>Electromagnetics                                          |                          | Biomedical Signal Processing        | <del>WC</del> |  |
| 14. | Mr. K.V Siddamal   | Basic electronics<br>Basic electrical | control Systems                                                              |                          |                                     | <del>WC</del> |  |





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|     |                    |                        |   |                    |          |  |
|-----|--------------------|------------------------|---|--------------------|----------|--|
| 15. | Mr. Sushanth Lobo  |                        |   |                    | 46 L T E |  |
| 16. | Mrs. Bhagyashree K | Basic Electrical Engg. | — | Aptitude for A & B | —        |  |

*Siddesh*

Head of the Department

Dr. SIDDESH G K

H. O. D.

Dept. Of Electronics & Communication

Alva's Institute of Engg. & Technology

Mijar. MOODBIDRI - 574 225

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

**2023 -24 Even sem subject list**

**2<sup>ND</sup> SEM**

| # | SUBJECT NAME      | SUBJECT CODE |
|---|-------------------|--------------|
| 1 | Basic Electronics | BE           |
| 2 | Basic Electrical  | BEE          |

**4<sup>TH</sup> SEM**

| # | SUBJECT NAME                        | SUBJECT CODE | SUBJECT TYPE |
|---|-------------------------------------|--------------|--------------|
| 1 | Engineering Electromagnetic         | EM           | PCC          |
| 2 | Basic signal Processing             | BSP          | IPCC         |
| 3 | Principles of Communication Systems | PCS          | IPCC         |
| 4 | Operating Systems                   | OS           | ESC          |
| 5 | 8051 Micro Controller               | MC           | ESC          |
| 6 | Embedded C basics                   | EMB C        | AEC (Lab)    |

**6<sup>TH</sup> SEM**

| # | SUBJECT NAME                                             | SUBJECT CODE | SUBJECT TYPE          |
|---|----------------------------------------------------------|--------------|-----------------------|
| 1 | Technological Innovation Management and Entrepreneurship | ME / TIME    | HSMC                  |
| 2 | Microwave and Antennas                                   | MWA          | IPCC                  |
| 3 | VLSI Design & Testing                                    | VLSI         | PCC                   |
| 4 | Cryptography                                             | CYP          | PROFESSIONAL ELECTIVE |
| 5 | Micro Electro Mechanical Systems                         | MEMS         | PROFESSIONAL ELECTIVE |

**8<sup>TH</sup> SEM**

| # | SUBJECT NAME                      | SUBJECT CODE |
|---|-----------------------------------|--------------|
| 1 | Wireless & Cellular Communication | WC           |
| 2 | Network Security                  | NS           |

3 Seminar  
4 Project work

Mr. Siddesh / Dr. Datta / Mr. Sudhakar





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## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Date- 26/03/24

AIET/ECE/AY2023-24/cir.no

### Circular

**Subject Allotted of Individual Faculty - EVEN Semester 2023-24**

| #  | Faculty             | SUBJECT 1                                                | SUBJECT 2                                                | LAB                                 | SIGNATURE   |
|----|---------------------|----------------------------------------------------------|----------------------------------------------------------|-------------------------------------|-------------|
| 1. | Dr. Siddesh G K     | Cryptography                                             |                                                          |                                     | GG          |
| 2. | Dr. Dattathreya     | Network Security                                         |                                                          |                                     | Dattathreya |
| 3. | Dr. Manjunatha D.V. | VLSI Design & Testing                                    | VLSI Design & Testing                                    | VLSI lab                            | D.V.        |
| 4. | Mr. Sudhakara H M   | IOT- (AG eng)                                            | IOT - (IOT ENG)                                          | Communication Lab                   | HM          |
| 5. | Dr. Ganesh V N      | Technological Innovation Management and Entrepreneurship | Technological Innovation Management and Entrepreneurship | Mini-project                        | GN          |
| 6. | Dr. Ganesh K        | Python Programming                                       | Micro controller(Data Science)                           | Micro controller lab (Data Science) | KG          |
| 7. | Dr. Pradeep Kumar   | Engineering Electromagnetic                              | Engineering Electromagnetic                              | Communication lab (main)            | Pradeep     |





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|-----|--------------------|-------------------------------------|-------------------------------------|-----------------------------------------------------------------------|----------------|
| 8.  | Dr. Roshan Shetty  | Basic Electronics                   | Basic Electronics                   | Micro Controller Lab                                                  | <i>Q</i>       |
| 9.  | Dr. Guruprasad     | Microwave and Antennas              | Microwave and Antennas              |                                                                       | <i>B</i>       |
| 10. | Mrs. Vijetha T.S.  | Operating Systems                   | Operating Systems                   | Communication lab                                                     |                |
| 11. | Mr. Udaya Kumar. S | Control Systems                     | Control Systems                     | <i>Micro Controller lab</i>                                           | <i>Q</i>       |
| 12. | Mr. K.V Siddamal   | Basic Electronics                   | Basic Electronics                   | Communication lab                                                     | <i>Q</i>       |
| 13. | Dr. Napoleon       | Principles of Communication Systems | Principles of Communication Systems | VLSI lab                                                              | <i>W</i>       |
| 14. | Mr. Sushanth Lobo  | Wireless & Cellular Communication   |                                     | -----                                                                 |                |
| 15. | Mrs. Bhagyashree K | Basic Electrical                    | Basic Electrical                    | <i>Appl. Elec, NSS (4<sup>th</sup> &amp; 6<sup>th</sup> Semester)</i> | <i>Siddesh</i> |

**Head of the Department**  
**Dr. SIDDESH G K**