



D.N.R. COLLEGE OF ENGINEERING & TECHNOLOGY AUTONOMOUS

Approved by AICTE, New Delhi & Permanently Affiliated to JNTUK, Kakinada
Accredited with A++ Grade by NAAC & Accredited by NBA (B. TECH – CSE, ECE & EEE)
Ph: 08816-221238 Email: dnrcet@gmail.com website: <https://dnrcet.org>

DNRCET/BS&H/BOS/2025/02

Date: 09-06-2025

DEPARTMENT OF BASIC SCIENCES & HUMANITIES

CIRCULAR

To
All Heads of Departments
DNRCET(A)

Subject: Publication of Board of Studies (BoS) Resolutions for Soft Skills – DR24 II B Tech I & II Semesters Syllabus Approval-Reg.

Dear Sir/Madam,

This is to inform you that the Board of Studies (BoS) meetings for **Soft Skills** under the Department of Basic Sciences & Humanities (BS&H) have been successfully conducted on 4-4-2025 in line with the curriculum revisions for DR24 Regulations.

The proposed II B Tech I & II Semesters syllabi were thoroughly reviewed and approved during these meetings. The resolutions and final syllabus documents have now been officially published and are available for your perusal.

You are requested to kindly disseminate this information to the concerned faculty members in your department and ensure that the approved DR24 syllabi are implemented accordingly for the upcoming academic sessions of 2025-26.

Should you require any clarifications or soft copies of the published documents, please feel free to contact the BS&H department.

Thank you for your cooperation.

Regards,

[Signature]
Head, Department of Basic Sciences & Humanities
Dept. of Basic Sciences & Humanities
DNRCET(A)
D.N.R. College of Engineering & Technology
BHIMAVARAM-534 201

Copy to

1. HOD of All Departments

| CE | EEE | ME | ECE | CSE | IT | AIML | AIDS |
|----|-----|----|-----|-----|----|------|------|
| — | — | — | — | — | — | — | — |

2. File, 3. Dean Academics



डॉ. गोपी चंद मेरुगु
उप सचिव

Dr. Gopi Chand Merugu
Deputy Secretary

No.F. 2-10/2023(AC-Policy)

विश्वविद्यालय अनुदान आयोग
University Grants Commission

(शिक्षा मंत्रालय, भारत सरकार)
(Ministry of Education, Govt. of India)

बहादुर शाह जफर मार्ग, नई दिल्ली-110002
Bahadur Shah Zafar Marg, New Delhi-110002

Ph.: +91-11 23604429
E-mail : gopichand.ugc@gov.in

July 2024

10 JUL 2024

The Registrar,
Jawaharlal Nehru Technological University,
Kakinada.

Sub: - Conferment of Autonomous Status to DNR College of Engineering and Technology, Balusumudi Bhimavaram Affiliated to Jawaharlal Nehru Technological University, Kakinada.

Sir/Madam,

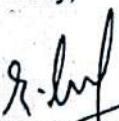
This has reference to the proposal submitted by DNR College of Engineering and Technology, Balusumudi Bhimavaram Affiliated to Jawaharlal Nehru Technological University, Kakinada for conferment of autonomous status.

The Commission in its meeting held on 25.06.2024 has approved the recommendation of the Standing Committee on Autonomous Colleges to confer the autonomous status to DNR College of Engineering and Technology, Balusumudi Bhimavaram Affiliated to Jawaharlal Nehru Technological University, Kakinada for a period of 10 years from the academic year 2024-2025 to 2033-2034 as per clause 7.5 of the UGC (Conferment of Autonomous Status Upon Colleges and Measures for Maintenance of Standards in Autonomous Colleges) Regulations, 2023.

The University, is therefore, requested to issue necessary notification within 30 days regarding the grant of autonomous status to the College as per UGC (Conferment of Autonomous Status Upon Colleges and Measures for Maintenance of Standards in Autonomous Colleges) Regulations, 2023.

The autonomous college is required to abide by all the provisions of the UGC Regulations for Autonomous Colleges. The Regulations are available on the UGC website, www.ugc.gov.in. Non-compliance of the requirements and conditions prescribed in the said Regulations shall attract action as per Clause -13 of the UGC (Conferment of Autonomous Status Upon Colleges and Measures for Maintenance of Standards in Autonomous Colleges) Regulations, 2023. The college should apply to University Grants Commission for extension of autonomous status at least three months before the completion of autonomy period.

Yours faithfully,


(Dr. Gopi Chand Merugu)
Deputy Secretary

Cont..

Copy to: -

: 2:

1. The Principal Secretary,
Andhra Pradesh State Council of Higher Education
Sree Mahendra Enclave, NRI Block (C-Block)
I & II Floors, Opposite State Bank of India
Adjacent to NH-16, Tadepalli, Guntur-522 501
2. The Principal
DNR College of Engineering and Technology,
Balusumudi Bhimavaram
 - (i) The College is advised to go for the required NAAC/NBA accreditation at least six months before the expiry of current validity and obtain the grading NAAC/NBA as per the UGC (Conferment of Autonomous Status Upon Colleges and Measures for Maintenance of Standards in Autonomous Colleges) Regulations, 2023 and intimate the Same to UGC to revisit the above decision, if required.
 - (ii) The College/Institute is advised to submit a report regarding Examination Cell and constitution of Statutory Bodies as required under Clauses 11 and 12 of the UGC (Conferment of Autonomous Status Upon Colleges and Measures for Maintenance of Standards in Autonomous Colleges) Regulations, 2023 to ensure proper management of academic, financial, and general administrative affairs. Non-compliance of the above shall attract action as per Clause -13 of the UGC Regulations – 2023.
 - (iii) The College/Institute is advised to take necessary steps for implementation of NEP 2020 and intimate the UGC.


10/07/2024
(Dr. Gopi Chand Merugu)
Deputy Secretary



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
Kakinada-533003, Andhra Pradesh, India
(Established by A.P Act.30 of 2008)

Letter No. DAP/DNRCE&T(9P)/BoS/2024

Date: 15.07.2024

Dr. L. SUMALATHA

M. Tech., Ph.D.,

REGISTRAR

To

The Principal

DNR College of Engineering and Technology (Autonomous)
Bhimavaram.

Sir,

Sub: JNTU Kakinada – Academic Planning – Board of Studies (BoS) Members to
“DNR College of Engineering and Technology (Autonomous), (CC:9P),
Bhimavaram – Reg.

Ref: Note orders of the Vice-Chancellor, JNTUK, Kakinada dated 15.07.2024.

With reference cited above, the Hon'ble Vice-Chancellor JNTUK, Kakinada is pleased to nominate the following members for Board of Studies (BoS) of ‘DNR College of Engineering and Technology, (CC:9P), (Autonomous), Bhimavaram” for three academic years i.e. 2024-25, 2025-26 and 2026-27

| S. No. | Name of the Department | Name of the BoS Members |
|--------|--|--|
| 1 | Civil Engineering | Prof. P Subba Rao Professor, CE Department UCEK, JNTUK, Kakinada |
| 2 | EEE Department | Prof. K. Ravindra Professor, EEE Department UCEK, JNTUK, Kakinada |
| 3 | ME Department | Dr. D. Linga Raju Assoc., Professor, ME Department UCEK, JNTUK, Kakinada |
| 4 | ECE Department | Prof. B. T. Krishna Professor, ECE Department UCEK, JNTUK, Kakinada |
| 5 | CSE Department | Prof. N. Ramakrishnaiah Professor, CSE Department UCEK, JNTUK, Kakinada |
| 6 | Artificial Intelligence and Data Science | Prof. ASN. Chakravarthy Professor, CSE Department UCEK, JNTUK, Kakinada |
| 7 | Artificial Intelligence and Machine Learning | Prof. D. Haritha Professor, CSE Department UCEK, JNTUK, Kakinada |

| | | |
|----|--|---|
| 8 | Information Technology | Prof. N. Ramakrishnaiah Professor, CSE Department UCEK, JNTUK, Kakinada |
| 9 | MBA Department | Prof. P. Uma Maheswari Devi Professor, Dept., of Commerce and Management Studies AKNU, Rajamahendravaram . |
| 10 | Mathematics Department | Prof. K. Ravindranath Professor, Mathematics Department UCEK, JNTUK, Kakinada |
| 11 | English Department | Prof. K. Sree Ramesh Professor, Dept., of English AKNU, Rajamahendravaram |
| 12 | Physics Department | Prof. G. Padmaja Rani Professor, Physics Department UCEK, JNTUK, Kakinada |
| 13 | Chemistry Department | Dr. S. Satya Veni Asst., Professor, Chemistry Dept., UCEK, JNTUK, Kakinada |
| 14 | NSS/NCC/Scouts & Guides/Community Service Health and Wellness, Yoga and Sports | Dr. G. Syam Kumar Assoc., Professor, Dept. of Physical Education UCEK, JNTUK, Kakinada |

Yours Sincerely,



REGISTRAR
REGISTRAR

J.N.T. University Kakinada
Kakinada-533003

Copy to all the above Members

Copy to the Secretary to the Honorable Vice Chancellor, JNTU Kakinada

Copy to the Director, Academic Planning, JNTU Kakinada.



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Balusumudi, **BHIMAVARAM - 534 202**, W.G.Dist., (A.P)

Fax No : 08816 - 221236, Phones : 08816 - 221237, 38, E-mail : dnrcet@gmail.com, web : www.dnrcet.org

Date: 02-04-2025

Circular

Sub: DNR College of Engineering & Technology, Bhimavaram- Department of BS&H (Soft Skills) - Board of Studies meeting - Invitation - Reg.

We take the privilege to invite you for the Board of Studies meeting at DNR College of Engineering & Technology in the Department of BS&H (Soft Skills), on **04-04-2025 (Friday)** at **2:30 P.M through Zoom** online platform.

<https://us06web.zoom.us/j/2664871556?pwd=pFKnG7HYNLabpf3yYPhq0tnDoHPNdj.l&omn=81412772151>

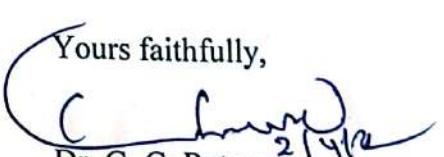
Agenda:

1. Introduction of members
2. To discuss and finalize the proposed II B. Tech. II Semester Soft Skills Labcourse of DR -24 Regulations.
3. To finalize the Evaluation procedure for Continuous Internal Evaluation (CIE) and Semester End Evaluation (SEE).
4. Ratification of Course Objectives and Course Out comes, CO – PO Mapping for the proposed subject.
5. Finalization of Text Books and Reference Books.
6. Brief review on I B. Tech. I & II Semester Communicative English (Theory and Lab) Syllabus.
7. Any other item with the permission of the chairman.

In this regard, all the members are requested to attend the online mode of Board of Studies meeting of **Soft Skills** from the Department of BS&H on **04-04-2025 (Friday)** at **2:30 P.M** the online meeting link will be mailed you shortly. Kindly accept our invitation and make it convenient to attend the meeting.

Thanking you Sir/Madam,

Yours faithfully,



Dr. G. G. Ratnam

HoD, Basic Sciences & Humanities
D.N.R. College of Engineering & Technology
HEAD

Dept. of Basic Sciences
D.N.R. College of Engg. & Tech
BHIMAVARAM-534 202,

Copy to:

1. The Principal, DNR CET
2. The members of BOS
3. The Dean, Academics
4. Office file



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Fax No : 08816 - 221236, Phones : 08816 - 221237, 38, E-mail : dncet@gmail.com., web : www.dncet.org

Dt: 02-04-2025.

To

Dr.K. Sree Ramesh
Professor, Dept. of English
Adikavi Nannaya University
Rajamahendravaram.

Sir,

Sub: DNR College of Engineering & Technology, Bhimavaram- Department of BS&H (Soft Skills) -
Board of Studies meeting - Invitation – Reg.,

We take the privilege in inviting you for the Board of Studies meeting of Department of BS&H (Soft Skills), DNR College of Engineering & Technology, Bhimavaram on 04-04-2025 (Friday) at 2:30 P.M through Zoom online meeting. It is proposed to discuss and finalize the following for the academic year 2025-26.

1. Introduction of members
2. To discuss and finalize the proposed II B. Tech. II Semester Soft Skills Lab course of DR -24 Regulations.
3. To finalize the Evaluation procedure for Continuous Internal Evaluation (CIE) and Semester End Evaluation (SEE).
4. Ratification of Course Objectives and Course Out comes, CO – PO Mapping for the proposed subject.
5. Finalization of Text Books and Reference Books.
6. Brief review on I B. Tech. I & II Semester Communicative English (Theory and Lab) Syllabus.
7. Any other item with the permission of the chairman.

In this regard, you are requested to attend the online meeting of the Board of Studies of Department of BS&H (Soft Skills) on 04-04-2025 at 02.30 P.M. The online meeting link will be mailed to you shortly. Kindly accept our invitation and make it convenient to attend the meeting.

Thanking you sir,

Yours faithfully,

Dr. G. G. Ratnakar

HoD, Basic Sciences & Humanities
D.N.R. College of Engineering & Technology
Dept. of Basic Sciences
R. College of Engg. & Tech
BHIMAVARAM-534 202.



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Fax No : 08816 - 221236, Phones : 08816 - 221237, 38, E-mail : dnrcet@gmail.com., web : www.dnrcet.org

Dt: 02-04-2025.

To

Dr. D. Vijayalakshmi
Associate Professor
Vishnu Institute of Technology
Bhimavaram
Andhra Pradesh.

Madam,

Sub: DNR College of Engineering & Technology, Bhimavaram- Department of BS&H (Soft Skills) -
Board of Studies meeting - Invitation – Reg.,

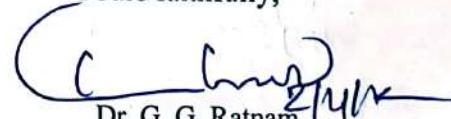
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7. Any other item with the permission of the chairman.

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Thanking you madam,

Yours faithfully,



Dr. G. G. Ratnam

HoD, Basic Sciences & Humanities
D.N.R. College of Engineering & Technology

HEAD

t. of Basic Sciences
..R. College of Engg. & Tech
BHIMAVARAM-534 202.



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Dt: 02-04-2025.

To

Dr B V N Lakshmi
Head, Dept. of English & Foreign Language,
SRKR Engineering College,
Bhimavaram
Andhra Pradesh.

Madam,

Sub: DNR College of Engineering & Technology, Bhimavaram- Department of BS&H (Soft Skills) -
Board of Studies meeting - Invitation – Reg.,

We take the privilege in inviting you for the Board of Studies meeting of Department of BS&H (Soft Skills), DNR College of Engineering & Technology, Bhimavaram on 04-04-2025 (Friday) at 2:30 P.M through Zoom online meeting. It is proposed to discuss and finalize the following for the academic year 2025-26.

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7. Any other item with the permission of the chairman.

In this regard, you are requested to attend the online meeting of the Board of Studies of Department of BS&H (Soft Skills) on 04-04-2025 at 02.30 P.M. The online meeting link will be mailed to you shortly. Kindly accept our invitation and make it convenient to attend the meeting.

Thanking you madam,

Yours faithfully,

Dr. G. G. Ratnam

HoD, Basic Sciences & Humanities
D.N.R. College of Engineering & Technology

HEAD

Dept. of Basic Sciences
D.N.R. College of Engg. & Tech
BHIMAVARAM-534 202,



D.N.R. COLLEGE OF ENGINEERING & TECHNOLOGY

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Date: 02-04-2025

Circular

Sub: DNR College of Engineering & Technology, Bhimavaram- Department of BS&H (Soft Skills)
- Board of Studies meeting - Invitation - Reg.

We take the privilege to invite you for the Board of Studies meeting at DNR College of Engineering & Technology in the Department of BS&H (Soft Skills), on **04-04-2025 (Friday) at 2:30 P.M** through Zoom online platform.

<https://us06web.zoom.us/j/2664871556?pwd=pFKnG7HYNLabpf3yYPhq0tnDoHPNdg.1&omn=81412772151>

Agenda:

1. Introduction of members
2. To discuss and finalize the proposed II B. Tech. II Semester Soft Skills Lab course of DR -24 Regulations.
3. To finalize the Evaluation procedure for Continuous Internal Evaluation (CIE) and Semester End Evaluation (SEE).
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6. Brief review on I B. Tech. I & II Semester Communicative English (Theory and Lab) Syllabus.
7. Any other item with the permission of the chairman.

In this regard, all the members are requested to attend the online mode of Board of Studies meeting of **Soft Skills** from the Department of BS&H **04-04-2025 (Friday) at 2:30 P.M.** The online meeting link will be mailed you shortly. Kindly accept our invitation and make it convenient to attend the meeting.

Thanking you Sir/Madam,

Yours faithfully,


Dr. G. G. Ratnam
HoD, Basic Sciences & Humanities
D.N.R. College of Engineering & Technology

Dept. of Basic Sciences
D.N.R. College of Engg. & Tech
BHIMAVARAM-534 202.

Copy to:

1. The Principal, DNRCE
2. The members of BOS
3. The Dean, Academics
4. Office file



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Dept of Basic Sciences & Humanities (English) Meeting of BOS Schedule, A.Y. 2025-26

Minutes of meeting of Board of Studies, Dept of Basic Sciences & Humanities (Soft Skills) held on 04-04-2025 at 2:30 P.M with the following points of agenda.

Venue: English Language Lab

Meeting held on: 04-04-2025 at 2:30 P.M

Mode of conducting meeting: Zoom online platform

Meeting link:

<https://us06web.zoom.us/j/2664871556?pwd=pFKnG7HYNLabpf3yYPhq0tnDoHPNdj.1&omn=81412772151>

Agenda:

1. Introduction of members
2. To discuss and finalize the proposed II B. Tech. II Semester Soft Skills Lab course of DR -24 Regulations. (Annexure-A)
3. To finalize the Evaluation procedure for Continuous Internal Evaluation (CIE) and Semester End Evaluation (SEE) (Annexure-B)
4. Ratification of Course Objectives and Course Outcomes, CO – PO Mapping for the proposed subjects. (Annexure-C)
5. Finalization of Text Books and Reference Books. (Annexure-D)
6. Brief review on I B. Tech. I & II Semester Communicative English (Theory and Lab) Syllabus.
7. Any other item with the permission of the chairman.

Members Present:

| S. NO | Name(s) of the Member(s)/ | Designation | Designation in Committee | Signature |
|-------|---------------------------|---|--------------------------------|-----------|
| 1. | Dr. G G Ratnam | Professor & Head, Dept of BS&H | Chairperson | |
| 2. | Dr. K. Sree Ramesh | Professor, Dept. of English Adikavi Nannaya University, Rajamahendravaram | Member (University Nominee) | |



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| | | | | |
|----|----------------------|--|----------------------------------|--------|
| 3. | Dr. K Vijaya Lakshmi | Associate professor Dept. of English Vishnu Institute of Technology Bhimavaram | Member (Subject expert) | online |
| 4. | Dr. Bh V N Lakshmi | Head Dept. of English & Foreign Language, SRKR Engineering College, Bhimavaram | Member (Subject expert) | online |
| 5. | Mr. B Meshak Raju | Asst. Professor of English, DNRCET | Member | |
| 6. | Mr. V Praveen | Asst. Professor of English, DNRCET | Member | |
| 7. | Mr. G. Moshe | Asst. Professor of English, DNRCET | Member | |
| 8. | Mr. T. Pranams | Managing Director Pranams Hotels, Bhimavaram | Member (Industrial Expert) | |
| 9. | Ms. K. Siva Syamala | R.No: 149P5A0503 Batch: 2013-17 | Member (College alumni) | |

Minutes of meeting of Board of Studies, Dept of Basic Sciences & Humanities (Soft Skills) held on 04-04-2025 at 2:30 P.M with the following Resolutions:

At the outset, the principal of DNRCET presented his gratitude to the university nominee and other members of BOS and handed over the session to the chairman of BOS.

Resolution-1: Introduction of Members

The BOS chairman welcomed and introduced the eminent professors of BOS Meeting. He briefed them about structure and pattern of the course. The BOS members expressed their appreciation for novel structure of curriculum and content of the course. The chairman of BOS placed the agenda for the deliberation of the members. The following deliberations were made as per the items of circular agenda.

Resolution-2: Finalize of proposed II B. Tech. II Semester Soft Skills Labcourse of DR -24

Regulations. (Annexure-A)

Resolved the proposed II B. Tech II Semester Soft Skills Lab course under the DR-24 Regulations were discussed in detail. After considering the inputs from all members, the course was finalized and approved for implementation in the upcoming academic year 2025-26.



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Resolution-3: Finalization of Evaluation Procedure for CIE and SEE. (Annexure-B)

Resolved course evaluation procedure, the course shall carry 100 marks and shall be evaluated through continuous assessments during the semester for 30 sessional marks and end examination shall be for 70 marks. Day-to-day work in the class / laboratory shall be evaluated for 30 marks by the concerned teacher based on the regularity/assignments/viva/mid semester test. The end examination shall be conducted for 70 marks by the concerned teacher and an expert were discussed and finalized.

Resolution-4: Ratification of Course Objectives and Course Outcomes, CO – PO Mapping for the Proposed Subjects. (Annexure-C)

Resolved the Course Objectives and Course Outcomes for the proposed subjects were reviewed and ratified. Additionally, the CO-PO mapping was discussed and approved, ensuring alignment with the educational goals of the program.

Resolution-5: Finalization of Text Books and Reference Books. (Annexure-D)

Resolved the textbooks and reference books for the II B. Tech II Semester Soft Skills course was reviewed. The following books were approved as the primary textbooks

Resolution-6: Brief review on I B. Tech. I & II Semester Communicative English (Theory and Lab) Syllabus.

Resolved the proposed I B. Tech I & II Semester Communicative English (Theory and Lab) courses under the DR-24 Regulations were discussed in detail. After considering the inputs from all members, the courses were finalized and approved for implementation in the upcoming academic year 2024-25.

Resolution-7: Any Other Item with the Permission of the Chairman

Resolved the additional items raised with the permission of the Chairman were discussed.

- The chairman concluded the meeting by summarizing all the agenda points and resolutions and closed with a note of thanks to all members for their suggestions and participation.

C. Srinivas
HEAD
Dept. of Basic Sciences
D.N.R. College of Engg. & Tech
BHIMAVARAM-534 202.

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Electronics and Communication Engineering (DR24-IIInd Year Course Structure)

B.Tech. - II Year I Semester

| S.No. | Course Code | Title | L | T | P | Credits |
|--------------|-------------|--|-----------|----------|-----------|-----------|
| 1 | BT24BS2104 | Probability theory and stochastic process | 3 | 0 | 0 | 3 |
| 2 | BT24HS2101 | Universal Human Values— Understanding Harmony and Ethical Human Conduct | 2 | 1 | 0 | 3 |
| 3 | BT23EC2101 | Signals and Systems | 3 | 0 | 0 | 3 |
| 4 | BT23EC2102 | Electronic Devices and Circuits | 3 | 0 | 0 | 3 |
| 5 | BT23EC2103 | Switching Theory and Logic Design | 3 | 0 | 0 | 3 |
| 6 | BT23EC2104 | Electronic Devices and Circuits Lab | 0 | 0 | 3 | 1.5 |
| 7 | BT23EC2105 | Switching Theory and Logic Design Lab | 0 | 0 | 3 | 1.5 |
| 8 | BT24CS2108 | Data Structures using Python | 0 | 1 | 2 | 2 |
| 9 | BT24BS2106 | Environmental Science | 2 | 0 | 0 | - |
| Total | | | 16 | 2 | 08 | 20 |

B.Tech. - II Year II Semester

| S.No. | Course Code | Title | L | T | P | Credits |
|--|-------------|--|-----------|----------|-----------|-----------|
| 1 | BT24HS2201 | Managerial Economics and Financial Analysis | 2 | 0 | 0 | 2 |
| 2 | BT24EC2201 | Linear Control Systems | 3 | 0 | 0 | 3 |
| 3 | BT24EC2202 | Electromagnetic Waves and Transmission Lines | 3 | 0 | 0 | 3 |
| 4 | BT24EC2203 | Electronic Circuit Analysis | 3 | 0 | 0 | 3 |
| 5 | BT24EC2204 | Analog Communications | 3 | 0 | 0 | 3 |
| 6 | BT24EC2205 | Signals and Systems Lab | 0 | 0 | 3 | 1.5 |
| 7 | BT24EC2206 | Electronic Circuit Analysis lab | 0 | 0 | 3 | 1.5 |
| 8 | BT24BS2205 | Soft Skills | 0 | 1 | 2 | 2 |
| 9 | BT24HS2203 | Design Thinking & Innovation | 1 | 0 | 2 | 2 |
| Total | | | 15 | 1 | 10 | 21 |
| Mandatory Community Service Project Internship of 08 weeks duration during summer Vacation | | | | | | |

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Mechanical Engineering (DR24-IIInd Year Course Structure)

B.Tech II Year I Semester

| S.No. | Category | Title | L | T | P | Credits |
|--------------|------------|---|-----------|----------|-----------|-----------|
| 1 | BT24BS2103 | Numerical Methods and Transform Techniques | 3 | 0 | 0 | 3 |
| 2 | BT24HS2101 | Universal Human Values– Understanding Harmony & Ethical Human Conduct | 2 | 1 | 0 | 3 |
| 3 | BT24ME2101 | Thermodynamics | 2 | 0 | 0 | 2 |
| 4 | BT24ME2102 | Mechanics of Solids | 3 | 0 | 0 | 3 |
| 5 | BT24ME2103 | Material Science and Metallurgy | 3 | 0 | 0 | 3 |
| 6 | BT24ME2104 | Mechanics of Solids and Materials Science Lab | 0 | 0 | 3 | 1.5 |
| 7 | BT24ME2105 | Computer-aided Machine Drawing | 0 | 0 | 3 | 1.5 |
| 8 | BT24CS2107 | Python programming Lab | 0 | 0 | 2 | 1.0 |
| 9 | BT24EC2106 | Embedded Systems and IoT | 0 | 1 | 2 | 2 |
| 10 | BT24BS2106 | Environmental Science | 2 | 0 | 0 | - |
| Total | | | 15 | 2 | 10 | 20 |

B.Tech. II Year II Semester

| S.No. | Category | Title | L | T | P | Credits |
|--------------|------------|---|-----------|----------|-----------|-----------|
| 1 | BT24ME2201 | Industrial Management | 2 | 0 | 0 | 2 |
| 2 | BT24BS2201 | Complex Variables, Probability and Statistics | 3 | 0 | 0 | 3 |
| 3 | BT24ME2202 | Manufacturing processes | 3 | 0 | 0 | 3 |
| 4 | BT24ME2203 | Fluid Mechanics & Hydraulic Machines | 3 | 0 | 0 | 3 |
| 5 | BT24ME2204 | Theory of Machines | 3 | 0 | 0 | 3 |
| 6 | BT24ME2205 | Fluid Mechanics & Hydraulic Machines Lab | 0 | 0 | 3 | 1.5 |
| 7 | BT24ME2206 | Manufacturing processes Lab | 0 | 0 | 3 | 1.5 |
| 8 | BT24BS2205 | Soft Skills | 0 | 1 | 2 | 2 |
| 9 | BT24ME2207 | Design Thinking & Innovation | 1 | 0 | 2 | 2 |
| Total | | | 15 | 1 | 10 | 21 |

Mandatory Community Service Project Internship of 08 weeks duration during summer Vacation

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DEPARTMENT OF BASIC SCIENCES & HUMANITIES

| Year/Semester | II.B.Tech-II Sem | L | T | P | C |
|---------------------|--------------------------------|---|---|---|---|
| Regulation Year | DR-24 | 0 | 1 | 2 | 2 |
| Name of the Subject | SOFT SKILLS- BT24BS2205 | | | | |
| Branch | ME and ECE | | | | |

Course Objectives:

- To prepare to face competition for employment and excellence in profession.
- To help the students understand and build interpersonal and intrapersonal skills that will enable them to lead meaningful professional life.

Course Outcomes:

| COs | Statements | Blooms Level |
|-----|--|--------------|
| CO1 | Assimilate and understand the meaning and importance of soft skills and learn how to develop them. | K1 |
| CO2 | Understand the significance of soft skills in the working environment for professional excellence. | K2 |
| CO3 | Prepare to undergo the placement process with confidence and clarity. | K3 |
| CO4 | Ready to face any situation in life and equip themselves to handle them effectively. | K4 |
| CO5 | Understand and learn the importance of etiquette in both professional and personal life | K2 |

UNIT – 1: INTRODUCTION

Introduction- Emergence of life skills, Definition & Meaning, Importance & need, reasons for skill gap, Analysis--Soft Skills vs Hard skills, Soft Skills for Industry, Personality Developments. Soft Skills, Soft Skills - English - Improving Techniques.

UNIT – II: Intra-Personal:

Definition-Meaning – Importance-SWOT analysis, Johari windows - Goal Setting- quotient skills - Emotional Intelligence- Attitudinal skills - Right thinking- Problem Solving-Time management, stress management.

UNIT – III: Inter-Personal:

Definition – Meaning – Importance-Communications skills- Team Work, managerial skills-Negotiation skills- Leadership skills, corporate etiquettes.



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UNIT – IV: Verbal Skills:

Verbal Communication Skills: Listening skills, need- types, advantages, Importance-Improving Tips for listening, Speaking Skills, need- types, advantages, Importance-Improving Tips, Reading - Writing Skills, Report, Resume, statement of purpose, need- types, advantages, Importance-Improving Tips.

UNIT – V: Non Verbal Skills & Interview skills

Definition and Meaning – Importance- Facial Expressions- Eye Contact – Proxemics- Haptics -Posture, cross cultural body language, body language in interview room, appearance and dress code – Kinesthetic- Para Language - tone, pitch, pause, neutralization of accent, use of appropriate language, Interview skills, interview methods and questions.

Text Books:

- 1) Sherfield, M. Robert at al, Cornerstone Developing Soft Skills, 4/e, Pearson Publication, New Delhi, 2014.
- 2) Alka Wadkar, Life Skills for Success, 1/e, Sage Publications India Private Limited, 2016.

Reference Books:

1. Sambaiah.M. Technical English, Wiley publishers India. New Delhi. 2014.
2. Gangadhar Joshi, From Campus to Corporate, SAGE TEXT.
3. Alex.K, Soft Skills, 3rd ed. S. Chand Publication, New Delhi, 2014.
4. Meenakshi Raman and Sangita Sharma, Technical Communication: Principle and Practice, Oxford University Press, 2009.
5. Shalini Varma, Body Language for Your Success Mantra, 4/e, S. Chand Publication, New Delhi, 2014.
6. Stephen Covey, Seven Habits of Highly Effective People, JMD Book, 2013.

Online Learning Resources:

- https://onlinecourses.nptel.ac.in/noc20_hs60/preview
- <http://www.youtube.com/@softskillsdevelopment6210>
- https://youtube.com/playlist?list=PLLy_2iUCG87CQhELCytvXh0E_y-bOO1_q&si=Fs05Xh8ZrOPsR8F4
- <https://www.coursera.org/learn/people-soft-skills-assessment?language=English>
- <https://www.edx.org/learn/soft-skills>

1. Dr G. G. Rattan (HoD)
2. B. Meshak (HoD)
3. V. Praveen
4. G. Hoshes

HEAD
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