


**ACADEMIC COUNCIL /  
BoS OF AFFILIATING  
UNIVERSITY**

NARASARAOPETA ENGINEERING COLLEGE: AUTONOMOUS: NARASARAOPET  
DEPARTMENT OF CIVIL ENGINEERING

**BOARD OF STUDIES PANEL**

S. No.	Name	Category	Designation	Specialization	Contact No. & Mail ID
1	Dr P Naga Sowjanya	Assoc. Professor & HOD	Chairman	Remote Sensing and GIS	8897170424 civilhod@nrtec.in
2	Dr.K.V.S.G Murali Krishna	PRINCIPAL Dept. of CIVL ENGG, JNTUK, Kakinada	Member Nominee of JNTUK Kakinada	Environmental Engineering	9849136135/7702 908555 kvsg.muralikrishna@gmail.com
3	Dr.T.V.S Vara Lakshmi	Asst. Professor, HOD ,Civil Engineering Department, Acharya Nagarjuna University, Guntur	Member Nominee of CAC	Structural Engineering	0863 2346252, 9703504939 varam23@gmail.com
4	Dr. J.V. GURUMURTHY	HOD ,Civil Engineering Department, G Pulla Reddy Engineering College, Kurnool	Member Nominee of CAC	Geotechnical Engineering	jvgm62@gmail.com 9440588766
5	Mr. M. R. Mohideen	Executive engineer NSJCO&M DIVISION Lingauntla, Narasaraopeta	Industrial Member	Structures	mirrahmath@gmail.com, 9490757905
6	K.Kalyan Chakravathi	Post Graduate	Alumni Member	Structures	Chakri.koppuravuri1992@gmail.com, 8074387133
7	Dr. G. Nandini Devi	Professor CED, NEC	Member (Internal Subject Expert)	Structural Engineering	7396636202 gdevi80@gmail.com
8	Dr G Babu Rao	Asst. Prof	Member	Geology	Gudipudi.br@gmail.com 9885812796
9	M N S Samba Siva Rao	Asst. Prof	Member	Hydraulics, Coastal & Harbour Engineering	manepallisamba@gmail.com 9618370067
10	K V Pratap	Asst. Prof	Member	Structural Engineering	Pratap_daddy_pratap@yahoo.co.in 9247143439

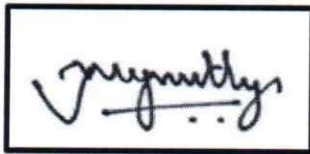
  
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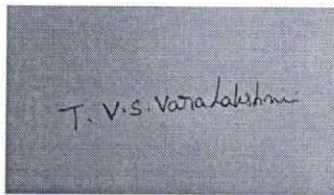
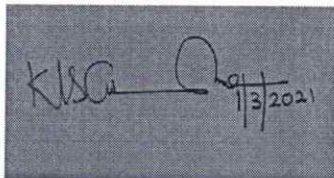
Date: 20-07-2022

**Agenda of BOS meeting**

To discuss B.Tech. (CIVIL) Course Structure and 3<sup>rd</sup> and 4<sup>th</sup> B.Tech CIVIL Syllabus of Regulation R20.



*Sanjaya*



*G. Babu Reddy*

*Grandiniden*

*J. V. Prasad*

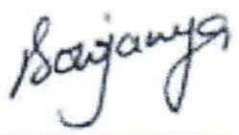


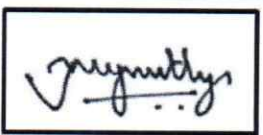
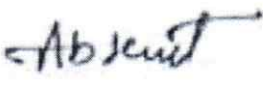
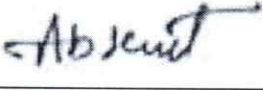
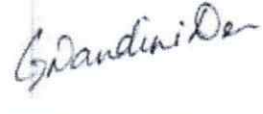
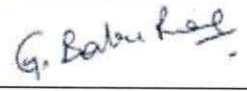
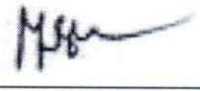

  
  


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**NARASARAOPETA ENGINEERING COLLEGE: AUTONOMOUS: NARASARAOPET  
DEPARTMENT OF CIVIL ENGINEERING**

The following members have attended 6<sup>th</sup> BOS meeting for the approval of Regulation R20  
3<sup>rd</sup> and 4<sup>th</sup> year B.Tech Autonomous Syllabus of Civil Engineering department held on 20.07.2022.

**Members Present:**

S. No.	Name	Category	Designation	specialization	Signature
1	Dr P Naga Sowjanya	Assoc. Professor & HOD	Chairman	Remote Sensing and GIS	
2	Dr.K.V.S.G Murali Krishna	PRINCIPAL Dept. of CIVL ENGG, JNTUK, Kakinada	Member Nominee of JNTUK Kakinada	Environmental Engineering	
3	Dr.T.V.S Vara Lakshmi	Asst. Professor, HOD,CED ANU, Guntur	Member Nominee of CAC	Structural Engineering	
4	Dr. J.V. GURUMURTHY	HOD ,CED, G Pulla Reddy Engineering College, Kurnool	Member Nominee of CAC	Geotechnical Engineering	
5	Mr. M. R. Mohideen	Executive engineer NSJCO&M DIVISION Lingauntla, Narasaraopeta	Industrial Member	Structural Engineering	
6	K.Kalyan Chakravathi	Post Graduate	Alumni Member	Structural Engineering	
7	Dr. G. Nandini Devi	Professor CED, NEC	Member (Internal Subject Expert)	Structural Engineering	
8	Dr G Babu Rao	Assoc. Prof	Member	Geology	
9	M N S Samba Siva Rao	Asst. Prof	Member	Hydraulics, Coastal & Harbour Engineering	
10	K V Pratap	Asst. Prof	Member	Structural Engineering	



  
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20-07-2022

**Minutes of Meeting**

BOS Meeting of the Faculty of Civil Engineering is convened on **20.07.2022** at **11:00 AM** in CAD Lab at 1206.

The minutes of the meeting are as following:

- The BOS external members are allowed for third and final year syllabus.
- NPTEL should be included in the course structure.
- The BOS Panel members suggested to remove the consolidation topic (UNIT-IV) from Soil Mechanics from III-I syllabus and include that topic in Foundation Engineering from III-II syllabus.
- Add 4 text books in Highway Engineering for III-I syllabus.
- Panel instructed to shift Unit-V to Unit-II and in Arches unit (UNIT-III) rearrange the Two hinged arches at first and the Three hinged arches as second topic in Advanced structural analysis for III-I syllabus.
- Panel instructed to exclude Shallow foundation – settlement criteria (UNIT-IV) and include Consolidation as UNIT-I in Foundation Engineering for III-II syllabus.
- Panel instructed the remove the word “soil” from each experiment of Environmental Engineering Lab for III-II syllabus.
- Panel suggested to verify the title “English employability skills” for III-II syllabus.
- Panel instructed to replace the title “Earthquake resistant design of structures” as “Advanced foundation engineering”.
- Panel instructed to replace the title “Repair and rehabilitation of buildings” as “Repair and rehabilitation of structures” and include some more text books for IV-I syllabus.
- Panel instructed to replace the title “Groundwater development & management” as “Groundwater hydrology” for IV-I syllabus.
- Panel instructed to replace the title “Quantity Surveying” as “Estimation costing & valuation” for IV-I syllabus.
- Panel instructed to include UNIT-V & some text books in Pavement materials for IV-I syllabus.




  
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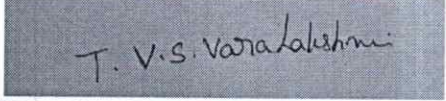
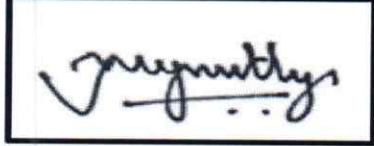
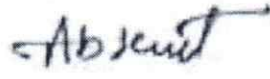
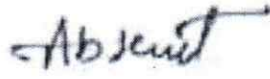


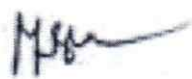
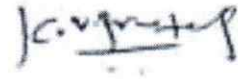
- Panel instructed to add textbook “Transportation Engineering-II” by C.Venkatramaiah in Railway, airport & harbour engineering for IV-I syllabus.
- Panel instructed to include COs and to replace the title “Development and adopt on of low-cost housing technology” as “Development and adoption of low-cost housing technology” in subject Low-cost housing for IV-I syllabus.
- Panel suggested to remove the subject Smart cities and add Universal human values-II for IV-I syllabus.
- Panel suggested to add internal & external marks for Internship (IV-I syllabus) and Major project (IV-II syllabus).

  
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S.No.	Name of the BOS member	Signature
1	Dr P Naga Sowjanya	
2	<b>Dr.K.V.S.G Murali Krishna</b>	
3	Dr.T.V.S Vara Lakshmi	
4	Dr. J.V. GURUMURTHY	
5	Mr. M. R. Mohideen	
6	K.Kalyan Chakravathi	
7	Dr. G. Nandini Devi	
8	Dr G Babu Rao	
9	M N S Samba Siva Rao	
10	K V Pratap	

  
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# NARASARAOPETA ENGINEERING COLLEGE

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## DEPARTMENT OF MECHANICAL ENGINEERING

### Minutes of the Second BOS Online Meeting (R20) held on 19<sup>th</sup> July 2022

Venue: Principal's chamber, Narasaraopeta Engineering College (Autonomous)  
Time: 11 AM

#### AGENDA

1. Welcome by the Chairman, BoS
2. Discussion on B.Tech. (Mechanical Engineering) four year Course Structure
3. Discussion on Syllabus of III B.Tech. & IV B.Tech.
4. Discussion on Syllabus for B.Tech Open Electives
5. Discussion on Syllabus of B.Tech Honors of 3-1, 3-2, 4-1
6. Discussion on Syllabus of I Year subject 'Engineering Graphics' for New Branches AI&ML, Data Science and Cyber Security.
7. Any suggestions by members
8. Vote of thanks

The meeting was started online by 3 PM through MS Teams and concluded by 5 PM.




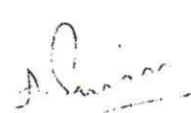

All the external and internal members are present for this meeting and list is as below.

S. No	Name	Category & BOS Designation	Signature
1.	Dr. B. Venkata Siva	Professor & HoD, Chairman BoS	
2.	Dr. M.Sreenivasa Kumar	Professor & Principal BOS Member-Internal Subject Expert	
3.	Dr. D.Suneel	Professor & Vice Principal BOS Member-Internal Subject Expert	
4.	Dr. D.Jagadish	Professor BOS Member-Internal Subject Expert	
5.	Dr. M.Venkanna Babu	Associate Professor BOS Member-Internal Subject Expert	



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6.	Dr. A.Gopala Krishna	Professor, BOS Member-JNTUK Nominee, Director (R&D), Professor In Charge of Design Innovation Centre, JNTUK-Kakinada Mobile No: 8008652555 E-Mail: <a href="mailto:dr.a.gopalakrishna@gmail.com">dr.a.gopalakrishna@gmail.com</a>	
7.	Dr. Y.Ravi Kumar	Professor BOS Member -External Subject Expert Dept. of Mechanical Engineering National Institute of Technology Warangal (NITW) Warangal-506 004, Telangana State, INDIA. Mobile No: 9440868867 E-Mail: <a href="mailto:raviy.kumar@yahoo.com">raviy.kumar@yahoo.com</a>	
8.	Dr. P.S.Rama Sreekanth	Professor & Dean Mechanical BOS Member -External Subject Expert Department of Mechanical Engineering VIT-AP University Amaravati Mobile No: 07854075580 E-Mail: <a href="mailto:happyshrikanth@gmail.com">happyshrikanth@gmail.com</a>	
9.	A. Ravi Sankar	BOS-Industry Member General Manager(Mech.), Secretary-IIW, Rashtriya Ispant Nigam Ltd., Structural Mill, Visakhapatnam. Mobile No: 9866747971 E-Mail: <a href="mailto:alikanars@gmail.com">alikanars@gmail.com</a>	
10.	Y. Bharadwaj	BOS-Alumni Member Manager, Quality Control & Metrology, Vizag Production Centre L&T Defence IC, Visakhapatnam. Mobile No: 9492079960 E-Mail: <a href="mailto:bsy@larsentoubro.com">bsy@larsentoubro.com</a>	

The meeting started with opening remarks by Chairman, BOS-Mech. Dr.B.Venkata Siva and Principal Dr.M.Sreenivasa Kumar.




  
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**The following modifications are suggested by members of BOS**

- Members has proposed to introduce Artificial Intelligence and Machine Learning Course as Professional core course in III Year I semester and also AI&ML Lab needs to be included,
- The CAD/CAM of PE-III course to be replaced with Course Work Study.
- The Smart Manufacturing of PE-III Course is renamed as Digital Manufacturing and CAD/CAM topics (CNC) are to be added as One Unit.
- Big Data Analytics can be added to PE-III in Place of UCMP
- In the course of MCMT, gear cutting activities to be added in Unit-IV and machine shop layout to be added in Unit-I.
- In the course of HPE, topics of fuel types to be included in Unit-1 and forced draught & induced draught to be included in Unit-2.
- In the course of DME-I, topics of spring types to be included in Unit-4.
- In the course of AE of PE-I, topics of 4 wheel drives and 2 wheel drives to be included in Unit-3.
- In the course of R&AC of PE-I, topics of Air handling Units to be added in Unit-5.
- In the course of DME-II, topics of Types of bearings to be added in Unit-1 and tensions of belt and chain drives to be added in Unit-5.
- In the course of HT, topics of recuperator applications to be added in Unit-4.
- In Pneumatics & HVAC Lab, topics of differences between Hydraulics and Pneumatics and Advantages of FRL unit to be added.
- For course DME-I design data book may be allowed.
- In the course of Design for Manufacturing, topics of Fits and Tolerances to be added in Unit-2.
- In the course of TQM, topics of Bench marking examples to be added in Unit-3 and BBQI Certification to be added in Unit-5.
- In the course of IEM, topics of industrial relations to be added in Unit-2 and Labor acts to be added in Unit-3.
- The Reverse Engineering and Rapid Prototyping of Honors POOL-3 Course is renamed as Rapid Prototyping.



  
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- In the course Engineering Graphics of other newly offered branches of (AI&ML, Data Science, and Cyber Security), 50% theory and 50% AutoCAD topic to be included.

With the above suggestions, all the members of BOS approved Course Structure and syllabus of R20 B.Tech Mechanical Engineering for the 3<sup>rd</sup> and 4<sup>th</sup> year. Board also approved honors of Pools 2, 3 and 4. Board also approved the Engineering Graphics course for the first year students of newly added branches of B.Tech. AI&ML, Data Science and Cyber Security.

Chairman-BOS concluded meeting with vote of thanks to all the members.

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

*Cr. No. JNTUK/DAP/NEC (47)/Nominees/2021*

*Date: 11.01.2022*

Dr. L. Sumalatha,  
M. Tech, Ph.D.,  
REGISTRAR

To  
The Principal,  
Narasaraopeta Engineering College,  
Kotappakonda Road,  
Yellamanda (Post), Narasaraopet,  
Guntur District,  
Andhra Pradesh.

Sir,

Sub: JNTUK Kakinada – DAP – Narasaraopeta Engineering College, Kotappakonda Road, Yellamanda (Post), Narasaraopet, Guntur District – BOS – Reg.  
Ref: 1. Your Letter dated 23.07.2021.  
2. Note orders of the Hon'ble Vice-Chancellor, JNTUK.

\*\*\*

With reference to your letter cited, by the directions of the Hon'ble Vice-Chancellor, JNTUK it is informed that the following faculty member is nominated for the Board of Studies of "Narasaraopeta Engineering College, Kotappakonda Road, Yellamanda (Post), Narasaraopet, Guntur District, Andhra Pradesh" for three Academic Years i.e., 2021-22 to 2023-24.

S. No	Department	Name of the Committee Member
1	ECE	Dr. B. T. Krishna, Professor of ECE, UCEK, JNTUK.
2	Mechanical Engineering.	Dr. A. Gopala Krishna, Professor of ME, UCEK, JNTUK.
3	Civil Engineering	Dr. B. Krishna Rao, Professor of CE, UCEK, JNTUK.
4	EEE	Dr. K. Ravindra, Professor of FEE, UCEK, JNTUK.
5	CSE	Dr. R. Rajeswara Rao, Professor of CSE, UCEV, JNTUK.
6	IT	Dr. A.S.N. Chakravathi, Professor of CSE, UCEV, JNTUK.
-	MBA	Dr. A. Krishna Mohan, Prof of CSE, UCEK, JNTUK



  
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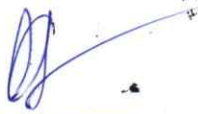
8	MCA	Dr. D. Haritha. Professor of CSE, UCEK, JNTUK.
9	Mathematics	Dr. G.V.S.R. Deekshitulu. Professor of Mathematics, UCEK, JNTUK
10	Physics	Dr. M. Rami Reddy, Assoc. Prof of Physics, ANU, Guntur.
11	Chemistry-Environmental Studies.	Dr. S. Satyaveni, Asst. Prof. of Chemistry, UCEK, JNTUK.
12	English	Dr. Jose. Soumya, Asst. Prof of Dept. of HSS, NIT Tadepalligudem.


Yours Sincerely,

  
REGISTRAR

REGISTRAR  
J.N.T. University Kakinada  
Kakinada-533003

Copy to the members concerned.  
Copy to the Secretary to the Vice-Chancellor, JNTU Kakinada.  
Copy to the Director, Academics Planning, JNTU Kakinada.

  
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Visit us at : [www.nrtec.in](http://www.nrtec.in)

e-mail : [principal@nrtec.in](mailto:principal@nrtec.in)

Date: 18.07.2022

To  
A.Ravi Sankar  
General Manager (Mech.), Secretary-IIW  
RASHTRIYA ISPANT NIGAM Ltd  
Structural Mill  
Visakhapatnam  
Ph: 9866747971  
Email: [alikanars@gmail.com](mailto:alikanars@gmail.com)

Dear Sir,

**Sub: Requesting you to act as BoS member for Mechanical Engg Dept for R-20:- Reg-.**

\*\*\*\*

With reference to subject cited above, we would like to inform you that Mechanical Engineering Dept, is conducting BOS meeting on 19-07-2022 (Tuesday) for approval of syllabus of B.Tech III & IV year. Hence we request you to act as BoS Member for the Department of Mechanical Engineering and give us your valuable suggestions. The BoS Meeting will be conducted in online mode on 19-07-2022 (Tuesday) at 11.00 AM. kindly send us your acceptance by reply mail.

FunctionsofBoS:


The Board of Studies of a Department in the college shall:

1. Prepare syllabi for various courses keeping in view the objectives of the college, interests of the stakeholders and national requirement for consideration and approval of the Academic Council
2. Suggest methodologies for innovative teaching and evaluation techniques
3. Coordinate research, teaching, extension and other academic activities in the department/college.

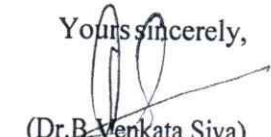
For any assistance please contact 9692464540

Thanking you,



  
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Yours sincerely,

  
(Dr. B. Venkata Siva)  
Chairman, BoS

CHAIRMAN  
BoS - Mechanical Engineering Dept.  
NARASARAOPETA ENGINEERING COLLEGE  
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e-mail : [principal@nrtec.in](mailto:principal@nrtec.in)

Date: 18.07.2022

To  
Dr. A.Gopala Krishna  
Professor  
Department of Mechanical Engineering  
Director, Research and Development  
Professor In-Charge of Design Innovation Center  
JNTUK, Kakinada  
Mobile No: 8008652555  
Email: [dr.a.gopalakrishna@gmail.com](mailto:dr.a.gopalakrishna@gmail.com)

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**Sub: Requesting you to act as BoS member for Mechanical Engg Dept for R-20:- Reg.-**

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### Functions of BoS:

The Board of Studies of a Department in the college shall:

1. Prepare syllabi for various courses keeping in view the objectives of the college, interests of the stakeholders and national requirement for consideration and approval of the Academic Council
2. Suggest methodologies for innovative teaching and evaluation techniques
3. Coordinate research, teaching, extension and other academic activities in the department/college.

For any assistance please contact 9692464540

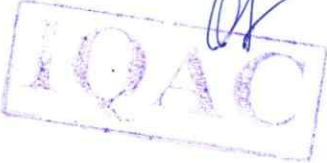
Thanking you,

Yours sincerely,

(Dr.B.Venkata Siva)  
Chairman, BoS  
CHAIRMAN

BoS - Mechanical Engineering Dept.  
NARASARAOPETA ENGINEERING COLLEGE  
(AUTONOMOUS)  
NARASARAOPET - 522 601.  
Guntur (Dist.), A.P.

PRINCIPAL  
NARASARAOPETA ENGINEERING COLLEGE  
(AUTONOMOUS)  
NARASARAOPET - 522 601  
Guntur (Dist.), A.P.





# NARASARAOPETA ENGINEERING COLLEGE

(AUTONOMOUS)

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e-mail : [principal@nrtec.in](mailto:principal@nrtec.in)

Date: 18.07.2022

To  
Y. Bharadwaj  
Manager, Quality Control  
Larsen & Toubro Limited Ph: 9866747971  
SINDHIA Road, Naval. Dockyard, Visakhapatnam  
Ph: 9492079960  
Email: [bsy@larsentoubro.com](mailto:bsy@larsentoubro.com)

Dear Sir,

Sub: Requesting you to act as BoS member for Mechanical Engg Dept for R-20:- Reg-.

\*\*\*\*

With reference to subject cited above, we would like to inform you that Mechanical Engineering Dept, is conducting BOS meeting on 19-07-2022 (Tuesday) for approval of syllabus of B.Tech III & IV year. Hence we request you to act as BoS Member for the Department of Mechanical Engineering and give us your valuable suggestions. The BoS Meeting will be conducted in online mode on 19-07-2022 (Tuesday) at 03.00 PM. kindly send us your acceptance by reply mail.

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For any assistance please contact 9692464540

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Yours sincerely,

(Dr. B. Venkata Siva)  
Chairman, BoS  
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e-mail : [principal@nrtec.in](mailto:principal@nrtec.in)

Date: 18.07.2022

To  
Dr.Y.Ravi Kumar, Ph.D  
Associate Professor  
Department of Mechanical Engineering  
National Institute of Technology, Warangal  
Ph: 9440868867  
Email: [raviykumar@yahoo.com](mailto:raviykumar@yahoo.com)

Dear Sir,

Sub: Requesting you to act as BoS member for Mechanical Engg Dept for R-20:- Reg-.

\*\*\*\*

With reference to subject cited above, we would like to inform you that Mechanical Engineering Dept, is conducting BOS meeting on 19-07-2022 (Tuesday) for approval of syllabus of B.Tech III & IV year. Hence we request you to act as BoS Member for the Department of Mechanical Engineering and give us your valuable suggestions. The BoS Meeting will be conducted in online mode on 19-07-2022 (Tuesday) at 03.00 PM. kindly send us your acceptance by reply mail.

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For any assistance please contact 9692464540

Thanking you,

Yours sincerely,

(Dr.B.Venkata Siva)  
Chairman, BoS  
CHAIRMAN

BoS - Mechanical Engineering Dept.  
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e-mail : [principal@nrtec.in](mailto:principal@nrtec.in)

Date: 18.07.2022

To  
Dr.P.S.Rama Srikanth  
Ph.D. IITG  
Associate Professor  
Department of Mechanical Engineering  
VIT-Amaravati  
Ph: 7854075580  
Email:[happyshrikanth@gmail.com](mailto:happyshrikanth@gmail.com)

Dear Sir,

Sub: Requesting you to act as BoS member for Mechanical Engg Dept for R-20:- Reg-.

\*\*\*\*

With reference to subject cited above, we would like to inform you that Mechanical Engineering Dept, is conducting BOS meeting on 19-07-2022 (Tuesday) for approval of syllabus of B.Tech III & IV year. Hence we request you to act as BoS Member for the Department of Mechanical Engineering and give us your valuable suggestions. The BoS Meeting will be conducted in online mode on 19-07-2022 (Tuesday) at 03.00 PM. kindly send us your acceptance by reply mail.

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For any assistance please contact 9692464540

Thanking you,



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Guntur (Dist.) A.P.

Yours sincerely,

(Dr.B.Venkata Siva)  
Chairman, BoS  
CHAIRMAN

BoS - Mechanical Engineering Dept  
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e-mail : [principal@nrtec.in](mailto:principal@nrtec.in)

Date: 18.07.2022

To  
A.Ravi Sankar  
General Manager (Mech.), Secretary-IIW  
RASHTRIYA ISPANT NIGAM Ltd  
Structural Mill  
Visakhapatnam  
Ph: 9866747971  
Email: [alikhars@gmail.com](mailto:alikhars@gmail.com)

Dear Sir,

Sub: Requesting you to act as BoS member for Mechanical Engg Dept for R-20:- Reg.

\*\*\*\*

With reference to subject cited above, we would like to inform you that Mechanical Engineering Dept, is conducting BOS meeting on 19-07-2022 (Tuesday) for approval of syllabus of B.Tech III & IV year. Hence we request you to act as BoS Member for the Department of Mechanical Engineering and give us your valuable suggestions. The BoS Meeting will be conducted in online mode on 19-07-2022 (Tuesday) at 03.00 PM. kindly send us your acceptance by reply mail.

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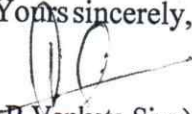
For any assistance please contact 9692464540

Thanking you,

  
**IQAC**

  
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NARASARAOPET - 522 601  
Guntur (Dist.), A.P.

Yours sincerely,

  
(Dr. B. Venkata Siva)  
Chairman, BoS  
CHAIRMAN

BoS - Mechanical Engineering Dept.  
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Guntur (Dist.), A.P.

**Department of Electrical and  
Electronics Engineering**

**R20 Regulation**

**8<sup>th</sup> Board of Studies Virtual Meeting  
held on 19.07.2022 for the approval  
of**

- 1. B.Tech EEE 3<sup>rd</sup> and 4<sup>th</sup> year Course  
Structure and Syllabus with Honors and  
Minor Tracks**

  
**IQAC**

  
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(AUTONOMOUS)


DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

---

Date: 19-07-2022

**Agenda of BOS meeting**

1. To discuss R20 3rd, 4th B.Tech EEE Course Structure and Syllabus with honors and minors.



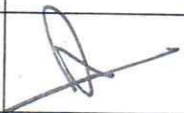




(Dr.P.Lakshmanan)  
Chairman-BoS



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**DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING**

The following members have attended 8<sup>th</sup> BoS meeting for the approval of Regulation R20 3<sup>rd</sup> and 4<sup>th</sup> B.Tech Autonomous Course Structure and Syllabus and honors and minors of EEE department held on 19.07.2022

S. No.	Name	Category	Designation	specialization	Signature
1	Dr.P.Lakshmanan	Professor & HOD	Chairman	Power Systems	
2	Dr.K. Ravindra	Professor, Dept.of EEE	Member Nominee of JNTUK Kakinada	Electronics Power Systems & Drives	
3	Dr.Ch.Chengaiyah	Professor, Dept. of EEE S V University, Tirupathi	Member Nominee of CAC	Power Systems	
4	Dr.I.Satish Kumar	Asst. Professor, National Institute of Technology, Warangal	Member Nominee of CAC	Power Systems	
5	Mr.S.Selvakumar	Power System Engineer, ABB Global Industries Ltd Chennai	Member Industry representative	Power Systems	
6	Mr.A.Narasimha	Manager, BEML, Bengaluru	Member Alumni	EEE	
7	Mr.Sk.Md.Shareef	Assoc. Professor	Member	Power & Industrial Drives	
8	Mr.P.D.V.S.K. Kishore	Assoc. Professor	Member	Power & Industrial Drives	
9	Mr. G.Naga Raju	Assoc. Professor	Member	Power & Industrial Drives	
10	Mr.M.Chandra Sekhar	Assoc. Professor	Member	Power Electronics	



  
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Date: 19-07-2022

**Resolutions made at BOS meeting**

1. B.Tech. Electrical and Electronics branch R20 3<sup>rd</sup> and 4<sup>th</sup> B.Tech. Course Structure and Syllabus is discussed and finalized.
2. Open Elective Subjects are after the Professional Elective Subjects in Course Structure order.
3. III B.Tech. I Sem. in Open Elective-II Data Structures Course to be included.
4. III B.Tech I Sem in Power Electronics syllabus bidirectional converters topic to be included in Unit-V.
5. III B.Tech I Sem Proposed Subject Transmission & Distribution title can be changed as Electrical Transmission and content of Unit-V is excluded and in place of that Electrical Transients & Waves can be included.
6. III B.Tech I Sem Proposed Subject Measurements & Instrumentation Title modified as Electrical Measurements. Contents of Proposed Units II, III can be divided into three units Unit II, III & IV. Proposed Unit-IV can be modified as Unit-V. Contents of Proposed Unit-V is excluded.
7. III B.Tech. II Sem. In Open Elective-III, OOPS through JAVA course can be included.
8. III B.Tech. II Sem Proposed MOOCS modified as MOOCS/SWAYAM.
9. IV B.Tech I Sem Proposed subject Switchgear & Protection Syllabus is modified. The content in Unit-II static over current relays and static distance relays is excluded.
10. IV B.Tech I Sem Proposed subject Power System Operation and Control syllabus modified as like R16 Syllabus.
11. IV B.Tech II Sem Proposed subject Utilization of Electrical Energy Syllabus is modified. The Unit-I is Illumination, Unit-II is Electric Heating and Unit-III is Electric Welding.
12. Percentage of syllabus revised compared to R19 regulation is

Dr.P.LAKSHMANAN

Dr.K. Ravindra

Dr.C.CHENGAIAH

Dr.I.SATISH KUMAR

Dr.S.SELVA KUMAR

Mr.A.Narasimha

Dr.SK.MD.SHAREEF

P.D.V.S.K.KISHORE

Mr. G.Naga Raju

M.CHANDRA  
SEKHAR

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# NARASARAOPETA ENGINEERING COLLEGE

(AUTONOMOUS)


DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

22<sup>nd</sup> July, 2022


## 7<sup>th</sup> BOARD OF STUDIES (BOS) MEETING ON 23-07-2022

### AGENDA

1. Welcome by the Chairman
2. Discussion on R20-Syllabus of III B.Tech. and IV B.Tech. Electronics and Communication Engineering
3. Discussion on R20-Syllabus for the subjects offered by ECE department to other departments
4. Discussion on R20-Syllabus for Honors and Minor subjects offered by ECE department
5. General suggestions by members
6. Any other information with the permission of the Chairman
7. Vote of thanks

  
Chairman, BOS  
(Dr. V. Venkata Rao)



  
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(AUTONOMOUS)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

23<sup>rd</sup> July, 2022







## Board of Studies (BOS) of Electronics and Communication Engineering


### ATTENDANCE SHEET

S.No.	Name	Designation	Category	Contact information	Signature
✓ 1	Dr. V. Venkata Rao	Professor & Head	Chairman	Mobile: 9441127458 E-Mail: ecehod@nrtec.ac.in	
2	Dr. B.T. Krishna	Professor & Head	JNTUK University Nominee	Mobile No.: 9848992922 E-Mail: tkbattula@jntucek.ac.in	
3	Dr. K. Venkata Ramanaiah	Professor	Subject Expert	Mobile No.: 9849245750 E-Mail: ramanaiahkota@gmail.com	
4	Dr. K. Naga Srinivasa Rao Batta	Assistant Professor	Subject Expert	Mobile: 9800296596 E-Mail: srinu.bkn@nitw.ac.in	
5	Mr. T. Seetha Ram Kumar	Sub Divisional Engineer	Nominee from Industry	Mobile: 9490107111 E-Mail: rahulanish2007@gmail.com	
6	Dr. V. Anil Kumar	Associate Professor	Nominee from Alumni	Mobile: 85007 27346 E-Mail: anil.vuppala@iiit.ac.in	
✓ 7	Dr. K. Srinivasa Ravi	Professor	Member (Internal Subject Expert)	Mobile: 9492488055 E-Mail: sreenivasaravik@gmail.com	
✓ 8	Dr. K. Raju	Professor	Member (Internal Subject Expert)	Mobile: 9493451237 E-Mail: raju.kolluri@gmail.com	
✓ 9	Dr. J.V.K. Ratnam	Professor	Member (Internal Subject Expert)	Mobile: 9440943215 E-Mail: ratnamjvk@iiit.ac.in	


**IQAC**

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10	Dr. Amit Gupta	Professor	Member (Internal Subject Expert)	Mobile: 9785741277 E-Mail: dramitguptacv@gmail.com	
11	Dr. A.V. Nageswara Rao	Associate Professor	Member (Internal Subject Expert)	Mobile: 9440664462 E-Mail: avnr424@gmail.com	
12	Dr. Sk. Bajidvali	Associate Professor	Member (Internal Subject Expert)	Mobile: 8639294551 E-Mail: bajid.vali@gmail.com	
13	Dr. R. Samabasiva Nayak	Assistant Professor	Member (Internal Subject Expert)	Mobile: 9912391909 E-Mail: sambanayak@gmail.com	
14	Mr. P.S.S. Chakravarthy	Professor	Member (Internal Subject Expert)	Mobile: 9440943215 E-Mail: chakri.pss@gmail.com	
15	Mrs. B. Suneetha	Assistant Professor	Member (Internal Subject Expert)	Mobile: 9247513429 E-Mail: suneetha.bobbillapati@gmail.com	

  
Chairman, BOS  
(Dr. V. Venkata Rao)

  
QAC

  
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# NARASARAOPETA ENGINEERING COLLEGE

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**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

23<sup>rd</sup> July, 2022

**Minutes of the 7<sup>th</sup> Board of Studies (BoS) Meeting for R20 Course  
III & IV B.Tech., and Honors & Monor Subjects Syllabus held  
on 23<sup>rd</sup> July, 2022 at 2:00 PM**

Dr. V. Venkata Rao, Chairman, Board of Studies chaired the online meeting and welcomed all the members to the seventh Board of Studies meeting in the department of Electronics and Communication Engineering. The discussion on the items mentioned in the Board of Studies meeting agenda was taken up and the following resolutions mentioned in the subsequent paragraphs were passed by the external and internal BOS members.

**MEMBERS PRESENT**

<b>1</b>	Dr. V. Venkata Rao Professor and Head Department of ECE Narasaraopeta Engineering College Narasaraopet	Chairman, BOS
<b>2</b>	Dr. B.T. Krishna Professor and Head Department of ECE, UCEK, JNTUK, Kakinada	JNTUK University Nominee
<b>3</b>	Dr. K. Venkata Ramanaiah, Professor, Department of ECE University College of Engineering Yogi Vemana University Prodattur, Kadapa Dist.	Subject Expert
<b>4</b>	Dr. K. Naga Srinivasa Rao Batta, Assistant Professor Department of ECE NIT, Warangal	Subject Expert
<b>5</b>	Mr. T. Seetha Ram Kumar Sub Divisional Engineer, BSNL, Guntur	Nominee from Industry
<b>6</b>	Dr. V. Anil Kumar Associate Professor IIITH, Hyderabad	Nominee from Alumni
<b>7</b>	Dr. K. Srinivasa Ravi Professor Department of ECE Narasaraopeta Engineering College Narasaraopet	Member (Internal Subject Expert)

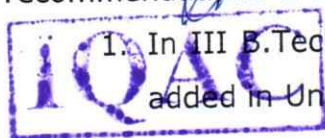
8	Dr. K. Raju Professor Department of ECE Narasaraopeta Engineering College Narasaraopet	Member (Internal Subject Expert)
9	Dr. J. V. K. Ratnam Professor Department of ECE Narasaraopeta Engineering College Narasaraopet	Member (Internal Subject Expert)
10	Dr. Amit Gupta Professor Department of ECE Narasaraopeta Engineering College Narasaraopet	Member (Internal Subject Expert)
11	Dr. A.V. Nageswara Rao Associate Professor Department of ECE Narasaraopeta Engineering College Narasaraopet	Member (Internal Subject Expert)
12	Dr. Sk. Bajidvali Associate Professor Department of ECE Narasaraopeta Engineering College Narasaraopet	Member (Internal Subject Expert)
13	Dr. R. Samabasiva Nayak Assistant Professor Department of ECE Narasaraopeta Engineering College Narasaraopet	Member (Internal Subject Expert)
14	Mr. P. S. S. Chakravarthy Professor Department of ECE Narasaraopeta Engineering College Narasaraopet	Member (Internal Subject Expert)
15	Mrs. B. Suneetha Assistant Professor Department of ECE Narasaraopeta Engineering College Narasaraopet	Member (Internal Subject Expert)

**ITEM No. 1**

**Discussion on R20-Syllabus of III B.Tech. and IV B.Tech. Electronics and Communication Engineering.**

After detailed discussions, the Board expressed their suggestions and views regarding R20 Syllabus for III B.Tech. and IV B.Tech. Electronics and Communication Engineering. The following suggestions/amendments/recommendations are given by the members of the board.

1. In III B.Tech., II Semester, the topic Introduction to 8085 is need to be added in Unit-I of Microprocessors & Microcontrollers subject.



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2. In IV B.Tech., I Semester, the topics of Recurrent Networks are need to be added in Unit-V of Introduction to Deep Learning (Professional Elective - III) subject.
3. In IV B.Tech., I Semester, the topics of Genetic Algorithms, PSO, etc. are to be added in Unit-V of Soft Computing Techniques (Professional Elective - IV) subject.
4. In IV B.Tech., I Semester, the topics of DAC and ADC Interfacing, Keyboard/Display Controller-8279, Memory interfacing to 8086, Interfacing DMA Controller 8257 to 8086 in Introduction to Microprocessors and Microcontrollers (Other than ECE) (Open Elective-III) subject are to be removed.
5. The syllabus in IV B.Tech., I Semester, Introduction to VLSI & Embedded Systems (Open Elective-III) subject is need to be reduced.
6. The syllabus for Open Elective subjects need to be reduced. Fundamental concepts are to be covered in the syllabus.
7. For all the subjects, number of Text books and Reference books can be mentioned uniformly.

**ITEM No. 2**

**Discussion on R20-Syllabus for the subjects offered by ECE department to other departments.**


After detailed discussions, the Board expressed their suggestions and views regarding R20-Syllabus for the subjects offered by ECE department to other departments. The following suggestions/amendments/recommendations is given by the members of the board.


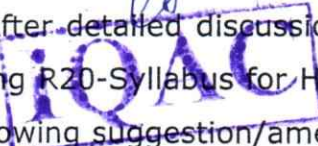
1. In III B.Tech., II Semester, the topic Introduction to 8085 is need to be added in Unit-I of Microprocessors & Microcontrollers subject.
2. The syllabus for subjects offered to other departments need to be reduced. Fundamental concepts are to be covered in the syllabus.

**ITEM No. 3**

**Discussion on R20-Syllabus for Honors and Minor subjects offered by ECE department.**

After detailed discussions, the Board expressed their suggestions and views regarding R20-Syllabus for Honors and Minor subjects offered by ECE department. The following suggestion/amendment/recommendation is given by the members of the board.

  
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1. In Honors, Specialization/Domian of Pools are to be modified as Pool-I will be Digital Signal Processing and Pool-4 will be Instrumentation and Control Systems.

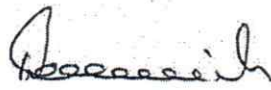
Meeting concluded with thanks to the Chair.

  
**(Dr. V. VENKATA RAO)**


Chairman  
BOS (ECE)



(Dr. B.T. Krishna)


  
(Dr. K. Venkata Ramanaiah)

  
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