Vasavi College of Engineering
(Autonomous)
(Sponsored by VASAVI ACADEMY OF EDUCATION)
(Affiliated to Osmania University, Hyderabad, Approved by A.I.C.T.E.)
9-5-81, Ibrahimbagh, HYDERABAD – 500 031 (T.S.)

Minutes of 14th meeting of Board of Studies held on
14th May 2024 at Department of Electrical and Electronics Engineering

Members Present:

S.No	Name of the Member		
1	Dr.M.Chakravarthy	:	Chaiman BoS, HoD EEE
2	Dr. N.Viswanathan	:	Professor, Dept of EE, NIT Waranqal
3	Dr.G.Yesuratnam	:	Professor , Osmaina Univeristy
4	Mr.Srinath Topucharla	:	R & D Manager, ABB, Hyderabad
5	Dr.Ch.V.S.S.Sailaja	:	Associate Professor
6	Dr.G. Sandhya Rani	:	Assistant Professor (Sr.)
7	Mr.M. Sreenivasulu	:	Assistant Professor (Sr.)
8	Mr.G.Mahesh	:	Assistant Professor
9	Mr.N.Uday Kumar	:	Assistant Professor
10	Mr.P.Rajasekhar Reddy	:	Assistant Professor
11	Dr.P.Ravi	:	Assistant Professor
12	Dr.Ch.Kasi Ramakrishna	:	Assistant Professor
13	Dr.C.Srinivasaratnam	:	Assistant Professor
14	Ms.Sheik Ruksana	:	Assistant Professor

Members Absent:

1	Dr.K. Ravikumar	:	Associate Professor, IIT Hyderabad
2	Mr.Ch.Gnaneshwar	:	Senior Engineer, Adani Enterprises Ltd.
3	Dr.K.Ravi Kumar	:	Professor

Dr.M.Chakravarthy , HoD EEE, Chaiman BoS, welcomed the members and presided over the meeting.

1 . Review the minutes and approve the Action Taken Report on the decisions taken in the 13th meeting of BoS held on 23-06-2022.

S.No	Suggestions made	Action taken
1	Dr. N. Vishwanatham • Suggested to use open source software LTspice instead of Pspice.	Will consider the possibility of using LTspice in place of Pspice based on availability of user manuals and software for electrical applications.
2	Dr.Ravikumar Bhimsingh suggested • To rename the Electric Vehicle Modelling , Design and Performance using MATLAB course title as "Simulation of EV Modelling , Design & Performance" • To move Power Quality to Power Systems Stream. • To move Electrical Machine Design Course under Electric vehicle Stream and rename the course title as Design of Electric Motors.	Modified accordingly.
3	Dr. G.Yesurathanam suggested • To rename the Basic Photovoltaic System Modelling Using PSpice course title as Modelling and Simulation of Basic	Title is modified as suggested.
4	Mr. Srinath Topucharla Suggested • To offer Programmable logic Controllers & Industrial IoT as one course.	New Course on Programmable logic Controllers & Industrial IoT has been introduced.

BoS has approved the 13th BoS minutes and ATR

2. Review and approve Department Vision & Mission statements

Department Vision & Mission statements

Department Vision

Empowering Future Engineers in Electrical & Electronics Engineering with Technological Excellence and Human Values.

Department Mission

To arm aspiring Engineers with Cutting-Edge Technology and Cultivate Holistic Development, Fostering a Synergy of Knowledge and Values for a Brighter Future.

PEO 2: Graduates will be able to acquire necessary skills and obtain employment and will be productive in the professional practice of Electrical and Electronics Engineering and related fields.

PEO 3: Graduates will be sensitive to professional and social contexts, committed to ethical action and engaged in lifelong learning skills

ii) Program Specific Outcomes.

EEE students will be able to design, analyze Power Systems & Electrical Machines to solve complex engineering problems.

EEE students will be able to design and analyze Electrical and Power Electronic Circuits.

EEE students will be able to use and apply modern software tools and techniques related to Electrical Engineering

iii) Statements of Course Outcomes

Course Outcomes are presented in the respective syllabi of the course

3. To note Institute & Department Achievements

- Department is NBA accredited for a period of three years from 2024-2025 to 2026-2027 i.e., up to 30-06-2027.
- Dr. Kasi Ramakrishna Reddy has published "An Efficient Soft-Switched LED Driver for Street Lighting Applications With Input Regulation," in *IEEE Journal of Emerging and Selected Topics in Power Electronics*, vol. 11, no. 5, pp. 5018-5028, Oct. 2023,
- Dr.Kasi Ramakrishna Reddy has published, "A Three Leg Asymmetrical Voltage Resonant Converter with Independent Dimming Control for Multiple Load LED Lighting Applications," in *IEEE Transactions on Industry Applications*,.
- Srinivas kumar Pallapu (1602-20-734-302) secured 345 All India Rank in GATE.
- G.Keerthana of 2022 passed out batch has secured 95.07 percentile in XAT examination and XLRI Jamshedpur.
- M.Viveka Vardhini of 2023 passes out batch has secured 96.9 percentile in CAT examination and got admission in XLRI (WL).
- E.Alekhya (1602-20-734-003) secured 93.56 percentile in CAT Examination.
- Department has conducted workshop on "Relay Co-ordination & Arc Flash Studies using ETAP" on 5th, 6th and 9th September 2023.

- Faculty of Department has published 16 journal publications in reputed journals and 8 conference papers during the academic year 2023-24.
- Conducted Outreach Program Titled "Modern Practices in Electrical Engineering" from 30-01-2024 to 03-02-2024 for Govt. ITI, Electrical Trade, Mallepallly, Hyderabad.
- Department has entered into MoU with Edge Technologies on 26-01-2024.
- Dr.Kasi Ramakrishna Reddy has published a patent tilted "A Soft Switched LED Driver System" Application No: 202341088805, Publication Date: 19-01-2024.
- Dr.B.P.Muni, Professor , EEE Department has successfully designed and tested "Three Phase BLDC Motor Controller".
- Mr.G.Mahesh, Assistant Professor has successfully completed "Design and Development of Six Phase BLDC Motor" as part his research work.
- Department has applied for the following research projects to various funding agencies during the academic year 2023-24

S.No	Title of the Project	Name of the PI	Agency to which Submitted	Date on which submitted	Cost of the Project Proposal
1	Development of SiC based Ultra Fast On-Board Battery Charger for Electric Vehicles	Ms. Shiek Ruksana	MSME IDEA HACKATHON 3.0	Aug. 2023	Rs. 15 Lakhs
2	Development of Home Power Pack of Roof Top Solar PV Plant with Battery Energy Storage System	Dr. Ch.V.S.S.Sailaja	MSME IDEA HACKATHON 3.0 (Women)	Aug. 2023	Rs. 15 Lakhs
3	Development of Solar PV Module Recycling System	Dr. G.Sandhya rani	MSME IDEA HACKATHON 3.0 (Women)	Aug. 2023	Rs. 15 Lakhs
4	Development of Smart Micro grid with wide area monitoring, Protection and Control System	Dr. M. Chakravarthy	Department of Science and Technology, Govt. of IndiaSERB-Sure	15th December, 2023	Rs.33 Lakhs

5	Design of a 3kW Interior Permanent magnet linear motor for a no-load speed of 200mm/sec and a peak force of 40kN at 60mm/sec and its performance validation.	Dr. M. Chakravarthy Dr.B.P.Muni	ISRO	2023	Rs.31.93
6	Field Oriented Control (FOC) based BLDC/Stepper Motor Drive Electronics	Dr. M. Chakravarthy Dr.B.P.Muni	ISRO	2023	Rs.27.70
				Total	Rs.137.63 Lakhs

- NPTEL Certification details of faculty for the Academic Year 2023-24
  - No. of Faculty enrolled : 10
  - Elite : 5
  - Successfully completed : 2
- Placement details of EEE students till date for the academic year 2023-24 are as follows
  - Total Class Strength :61
  - Number of Students Eligible :51
  - Gross Selection :30
  - Net Selection : 26
  - % of Students Placed : 50.98
  - Average Pay Package :5.09 LPA
  - Number of core placements : 19

H.T.NO.	NAME OF THE STUDENT	SELECTED BY
1602-20-734-004	MACHANA ANURAG REDDY	OM SAI INTEX PVT. LTD
1602-20-734-007	POSHETTI BADRINATH	OM SAI INTEX PVT. LTD
1602-20-734-012	S DIVYA KUSUMA	Vasavi Group
1602-20-734-013	ETABOINA GANESH	Wolong America
1602-20-734-021	KONDAKINDI LAHARI REDDY	OM SAI INTEX PVT. LTD
1602-20-734-023	KUMMARI MAHESH KUMAR	Moschip
1602-20-734-027	GUNTUPALLY NIKHIL	ITC - Bhadrachalam
1602-20-734-030	KASARI PAVAN	Medha Servo Drives

1602-20-734-031	PADAMATI PRASUNA	Vasavi Group
1602-20-734-033	MUNIGANTI SADVIKA	Wolong America
1602-20-734-036	K SAI KIRAN	Oracle - EWGBU
1602-20-734-038	VADALI SAI SHREYA	OM SAI INTEX PVT. LTD
1602-20-734-044	JONEBOINA SHIVA RAMA RAJU	Medha Servo Drives
1602-20-734-045	SUSARLA SHREYA	Oracle - EWGBU
1602-20-734-047	SUNCHU SNEHANJALI	OM SAI INTEX PVT. LTD
1602-20-734-048	MANGALI SRAVANI	OM SAI INTEX PVT. LTD
1602-20-734-301	MEKALA SUJANA	Wolong America
1602-20-734-303	POLU LAHARI	Wolong America
1602-20-734-304	JATOTHU SHEKAR	Wolong America

Chairman BoS & HoD-EEE presented department achievements during the academic year 2023-24 and the BoS has noted.

4. Discuss & review the following for the B.E. (EEE) students to be admitted during the academic year 2024-25 :

i. Scheme of Instruction and Examinations from I to VIII semesters

ii. Syllabi for I & II semester courses

BoS Chairman briefed on the following changes made in the B.E. curriculum for students to be admitted in the academic year 2023-24.

It is proposed

- To combine Engineering Workshop –I & II to single course as "Engineering Workshop".
- To move Electrical Network Analysis Course and associated lab to Second Semester.
- To merge Electrical Circuit lab with Electrical Network Analysis Lab as single lab course.
- To Introduce New Professional Electives
  - IoT Applications in Electrical Engineering and Electrical Energy Conservation & Auditing under Industrial Applications Stream.
  - Smart Grid Technologies under Power Systems stream

– PWM Converters and Applications under Power Electronics stream

BoS Chairman presented Scheme of Instruction and Examinations from I to VIII semesters and Syllabi for I & II semester courses

Members of BoS reviewed the scheme and syllabi of R24 regulations.

5. To discuss & review the following for the B.E. (EEE) students admitted during the academic year 2023-24 :
    i. Scheme of Instruction and Examinations for III & IV semesters
    ii. Syllabi for III & IV semester courses

    BoS Chairman presented Scheme of Instruction and Examinations from III & IV semesters and Syllabi for III & IV semester courses

    Members of BoS reviewed the scheme and syllabi of R23 regulations.

6. To discuss & review the following for the B.E. (EEE) students admitted during the academic year 2022-23 :
    a. Scheme of instruction and examinations for V and VI semesters
    b. Syllabi for V and VI semester courses

    BoS Chairman presented Scheme of Instruction and Examinations from V & VI semesters and Syllabi for V & VI semester courses

    Members of BoS reviewed the scheme and syllabi of R22 regulations

7. To discuss & review the following for the B.E. (EEE) students admitted during the academic year 2021-22 :
    a. Scheme of Instruction and Examinations for VII & VIII semesters
    b. Syllabi for VII & VIII semester courses

BoS Chairman presented Scheme of Instruction and Examinations from VII & VIII semesters and Syllabi for VII & VIII semester courses

Members of BoS reviewed the scheme and syllabi of R21 regulations

8. To discuss & review the following for the M.E.(PSPE) students to be admitted during the academic year 2024-25 :
    a. Scheme of Instruction and Examinations from I to IV semesters
    b. Syllabi for I & II semester courses

BoS Chairman presented Scheme of Instruction and Examinations from I to IV semesters and Syllabi for I & II semester courses.

Members of BoS reviewed the scheme and syllabi of M.E R24 regulations

9. To discuss & review the following for the M.E.(PSPE) students admitted during the academic year 2023-24 :

    a. Scheme of Instruction and Examinations for III & IV semesters

    b. Syllabi for III & IV semester courses

BoS Chairman presented Scheme of Instruction and Examinations of III & IV semesters and Syllabi for III & IV semester courses.

Members of BoS reviewed the scheme and syllabi of M.E R23 regulations

Dr. N. Vishwanatham Suggested

- To move the Power Systems -I Course from V Semester to either III / IV Semester.
- To rename the Electronic Engineering -I and Electronic Engineering -II to indicating the contents of course.
- To Modify the tile of "Speed control of three phase induction motor using inverter" experiment to "Speed control of three phase induction motor using V/f Control" in Electrical Drives and Static Control Professional Elective Lab Course
- To add the topic of Multilevel Inverter in Power Electronics Course.

Dr. G.Yesuratnam Suggested

- To modify the lab experiments of "Engineering Physics" lab course to align with the topics taught in " Quantum Mechanics and Material Science" Course.
- To modify the lab experiments of "Chemistry" lab course to align with the topics taught in " Engineering Chemistry" Course

M. Chakravarthy

HoD – EEE

VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

27.05.2024

ACTION TAKEN REPORT FOR THE 14TH BOSMEETING HELD ON 14-05-2024

S.No	Suggestions made	Action taken
1	Dr. N. Vishwanatham Suggested • To move the Power Systems -I Course from V Semester to either III / IV Semester. • To rename the Electronic Engineering -I and Electronic Engineering -II to indicating the contents of course. • To Modify the tile of "Speed control of three phase induction motor using inverter" experiment to "Speed control of three phase induction motor using V/f Control" in Electrical Drives and Static Control Professional Elective Lab Course • To add the topic of Multilevel Inverter in Power Electronics Course.	➢ Power Systems –I Course is moved to III Semester. ➢ Informed to ECE BoS ➢ Modified as recommended ➢ Included in Power Electronic Course
2	Dr. G.Yesurathanam suggested • To modify the lab experiments of "Engineering Physics" lab course to align with the topics taught in " Quantum Mechanics and Material Science" Course. • To modify the lab experiments of "Chemistry" lab course to align with the topics taught in " Engineering Chemistry" Course	Informed Physics and Chemistry BoS

M. Chakravarthy

HOD-EEE

Dr.M.Chakravarthy