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KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE:: WARANGAL-15
(An Autonomous Institute under Kakatiya University)

BOARD OF STUDIES IN ELECTRICAL & ELECTRONICS ENGINEERING

Venue: Digital Simulation Laboratory, Dept. of EEE, Time: 10.30 A.M, Date: 20.06.2015

Agenda:

Finalization of scheme and syllabi of III to VIII semesters (Autonomous) of B.Tech. (Electrical & Electronics Engineering) for the batches admitted in the academic year 2014-15.

Minutes of the meeting:

The BOS unanimously resolved the following

- To go for 6+2 Scheme [6 Theory+ 2 Practical] in the III semester and also to have a mandatory course "**Compliance with Current English**". In this semester there are 7 Core Courses and 1 Basic Science.
- To go for 5+3 Scheme [5 Theory+ 3 Practical] in the IV semester and to have a mandatory course "**Soft and Interpersonal Skills**". and also to have mandatory course "**Environmental Studies for lateral entry students only**". In this semester there are 7 Core Courses and 1 Basic Science.
- To go for 5+3 Scheme [5 Theory+ 3 Practical] in the V semester and also to have a seminar presentation confined to the field of Electrical & Electronics Engineering. In this semester all the courses are core course and also to give weightage to the "**Seminar**" by allotting 1 Credit.
- To go for 6+2 Scheme [6 Theory+ 2 Practical] in the VI semester and with a mini project confined to the field of Electrical & Electronics Engineering. In this semester there are 6 Core Courses, 1 Open Elective Course, 1 Professional Elective Course and 1 Mini Project with 2 Credits.
- In the Open Elective the students are to be given a option to select subjects concerned with the society viz Disaster Management, Project Management, Professional Ethics in Engineering and Rural Technology and Community Development.
- To go for 5+2 Scheme [5 Theory+ 2 Practical] in the VII semester and have Major Project work *Phase-I* confined to the field of Electrical & Electronics Engineering. In this semester there are to be 4 Core Courses, 2 Professional Elective Courses and 1 Interdisciplinary course and 1 Major Project Work *Phase-I* with 4 Credits.
- To go for 4+2 Scheme [4 Theory+ 2 Practical] in the VIII semester and also to have Major Project Work *Phase-II* confined to the field of Electrical & Electronics Engineering. In this semester there are to be 3 Core Courses, 2 Professional Elective Courses and 1 Open Elective Course and 1 Major Project Work *Phase-II* with 7 Credits.

III Semester

- EE 212 Network Theory is made into Circuit Theory-I & II and syllabus is modified accordingly.
- EE 213 Basic Electrical Engineering is shifted to I semester in place of which Data Structures is introduced.
- EE 215 Basic Electrical Engineering Laboratory for EEE students is removed and Data Structures Laboratory is included.
- EE 214 Electrical Engineering Materials is removed.
- EI 215 Electronic Devices & Circuits-I in 2nd Year I Semester is shifted to II Semester as Basic Electronics Engineering.
- EI 224 Electronic Devices & Circuits-II in 2nd Years II Semester is shifted to III Semester as Electronics Circuits.
- EE 223 Electrical Measurements is shifted from 2nd Year II Semester to III Semester as Electrical & Electronic Measurements.
- EE 224 Electromagnetic Fields is shifted from 2nd Year II Semester to III Semester as Electric and Magnetic Fields.
- MH 211 Mathematics-II is renamed as Engineering Mathematics-III.
- EI 2210 Electronic Circuits Laboratory in 2nd Year II Semester is shifted to III Semester as Electric Devices and Circuits Laboratory.

IV Semester

- MH 221 Mathematics-III is renamed as Engineering Mathematics-IV.
- EC 225 Signals and Systems is removed in place of which Circuit Theory-II is included.
- EC314 Linear Integrated Circuits is shifted from 3rd Year I Semester to IV Semester.
- EC 318 Digital Electronics is shifted from 3rd Year I Semester to IV Semester.
- EE 225 Electrical Measurements Laboratory is renamed as Electrical & Electronic Measurements Laboratory.
- EE 217 Networks Laboratory in 2nd Year I Semester is shifted to IV Semester as Circuits and Simulation Laboratory.
- EC 317 Integrated Circuits Laboratory in 3rd Year I Semester is shifted to IV Semester.

V Semester

- HS 311 Management, Economics & Accountancy is shifted from 3rd Year I Semester to VII Semester.

- EI323 Microprocessor & Microcontroller in 3rd Year II Semester is shifted to V Semester. The syllabus to be modified keeping 8085 in view with brief introduction about 8086 upto 3rd Unit and keep 4th Unit same.
- EE 329 Control Systems Laboratory in 3rd Year II Semester is shifted to V Semester.
- EI328 Microprocessor & Microcontroller Laboratory in 3rd Year II Semester is shifted to V Semesters and the experiments to be modified according to the theory.

VI Semester

- EC 326 Digital Signal Processing syllabus to be modified.
- EE 413 Power Semi Conductor Drives in 4th Year I Semester is shifted to VI Semester.
- EE 412 Utilization of Electrical Energy in 4th Year I Semester is shifted to VI Semester.
- EE 414 Professional Elective-I is incorporated in VI Semester
- EE 416 Power Electronics and Drives Laboratory in 4th Year I Semester is shifted to VI Semester as Power Electronics and Simulation Laboratory.

VII Semester

- HS 311 Management, Economics & Accountancy is shifted from 3rd Year I Semester to VII Semester.
- EE 415 Switchgear and Protection is renamed as Power System Protection.
- Professional Elective-II & III are incorporated in VII Semester.
- A New Laboratory named Electric Drives is introduced in VII Semester.

VIII Semester

- Open Elective-II is introduced in VIII Semester.
- Professional Elective-IV & V are incorporated in VIII Semester.
- A New course Renewable Energy Systems is introduced along with the Laboratory.

Meeting concluded at 5 PM on 20.06.2015 and the Chairman Board of Studies thanked all the members.

III Semester

Course Code	Old Scheme	Course Code	New Scheme
MH 211	Mathematics-II	U14MH 301	Engineering Mathematics-III
EE 212	Network Theory	U14EE 302	Circuit Theory-I
EE 213	Basic Electrical Engineering	U14IT 310	Data Structures
EE 214	Electrical Engineering Materials	U14EC 304	Electronic Circuits
EI 215	Electronic Devices and circuits-I	U14EE 305	Electrical and Electronic Measurements
CE 218	Fluid Mechanics & Hydraulic Machines	U14EE 306	Electric and Magnetic Fields
EE 215	Basic Electrical Engineering Lab	U14IT 311	Data Structures Laboratory
EE 217	Networks Laboratory	U14EC 308	Electronic Devices and Circuits Laboratory
		U14MH 309	Compliance with Current English

IV Semester

Course Code	Old Scheme	Course Code	New Scheme
MH 221	Mathematics -III	U14MH 401	Engineering Mathematics-IV
EE 222	Electrical Machines-I	U14EE 402	Electrical Machines-I
EE 223	Electrical Measurements	U14EE 403	Circuit Theory-II
EE 224	Electromagnetic fields	U14EI 405	Linear Integrated Circuits
EI 224	Electronic Devices and Circuits -II	U14EI 410	Digital Electronics
EC 225	Signals & Systems	U14EE 407	Electrical and Electronic Measurements Laboratory
EE 225	Electrical Measurements Lab	U14EE 411	Circuits and Simulation Laboratory
EI 2210	Electronic Circuits Laboratory	U14EI 412	Integrated Circuits Laboratory
		U14MH 409	Soft and Interpersonal Skills
		U14CH 209	Environmental Studies (for lateral entry students only)

V Semester

Course Code	Old Scheme	Course Code	New Scheme
HS 311	Management Economics and Accountancy	U14EE 501	Electrical Machines-II
EE 313	Electrical Machines -II	U14EE 502	Power Systems-I
EE 314	Power systems-I	U14EE 503	Power Electronics
EE 319	Control systems Engineering	U14EE 506	Control Systems Engineering
EC 314	Linear Integrated Circuits	U14EC 510	Microprocessors and Microcontrollers
EC 318	Digital Electronics	U14EE 507	Electrical Machines-I Laboratory
EE 316	Electrical Machines Lab-I	U14EE 508	Control Systems Laboratory
EC 317	Integrated Circuits Lab	U14EC 511	Microprocessors & Microcontrollers Laboratory
		U14EE 509	Seminar

VI Semester

Course Code	Old Scheme	Course Code	New Scheme
OE 321	Open Elective	U14 OE 601	Open Elective-I
EE 322	Power Electronics	U14EE 602	Power Systems-II
EE 324	Power Systems-II	U14EI 603	Digital Signal Processing
EC 326	Digital Signal Processing	U14EE 604	Power Semiconductor Drives
EI 323	Micro Processor and Micro Controllers	U14EE 605	Utilization of Electrical Energy
EE 327	Electrical Machines Lab-II	U14EE 606	Professional Elective-I
EI 328	Micro Processor and Micro Controllers Lab	U14EE 607	Power Electronics and Simulation Laboratory
EE 329	Control Systems Lab	U14EE 608	Electrical Machines-II Laboratory
		U14EE 609	Mini Project Work

Old

Open Electives:

- OE 321 A. Operations Research
- OE 321 B. Management Information Systems
- OE 321 C. Entrepreneurship Development
- OE 321 D. Energy & Environment Trade

Members Present

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|---|-----|-------------------------|-----------------------------|
| 1. Prof. P. Venugopal Rao
Head, Dept. of EEED,
KITS, Warangal-506 015 | --- | Chairperson, BoS of EEE | P. Venugopal Rao |
| 2. Sri M. Narasimha Rao
Assoc. Prof. of EEED, KITSW | --- | Member | M. Narasimha Rao
20/6/15 |
| 3. Sri G. Rajendar
Assoc. Prof. of EEED, KITSW | --- | Member | G. Rajendar
20/6/15 |
| 4. Sri B. Jagadish Kumar
Assoc. Prof. of EEED, KITSW | --- | Member | B. Jagadish Kumar |
| 5. Sri P. Nagarjuna Reddy
Asst. Prof. of EEED, KITSW | --- | Member | P. Nagarjuna Reddy |
| 6. Dr. M. Sydulu
Prof. of EED,
NIT, Warangal | --- | External Member | M. Sydulu
20/6/15 |
| 7. Dr. V.T. Somasekhar,
Prof. of EED,
NIT, Warangal | --- | External Member | V. Somasekhar |
| 8. Prof. V. Ramaiah
Prof. of EEED, KITSW | --- | Co-Opted Member | V. Ramaiah
20/06/2015 |