RK UNIVERSITY

DETAILED TEACHING SCHEME

SCHOOL OF DIPLOMA STUDIES
PROGRAM: D. ENGG. – ELECTRICAL ENGINEERING
ACADEMIC YEAR - 2022-23
SEMESTER – I (Batch - 2022-25)
DEFINATION OF CREDIT: **1. Lecture (L):** 1 hour/week/semester, **2. Practical (P)**: 2 hour/week/semester **3. Tutorial (T):** 2 hour/week/semester

TEACHING SCHEME										
Course Code	Course Name	Teaching Hours			SSH	Credits	Max. Marks of TSEE	CIE	PSEE	Remarks if any
		Theory	Tutorial	Practical						
DCE103	Computer Applications	0	0	4	4	2	00	Y	Y	-
DGN105	Applied Science	3	0	2	2	4	100	Y	Y	-
ESLB1A	English as a Second Language Preliminary Level I	3	0	0	2	3	100	Y	N	
DGN109	Mathematics-I	4	0	0	3	4	100	Y	N	-
DEE107	Electrical Workshop	0	0	4	4	2	00	Y	Y	-
DEE109	Fundamental Of DC Circuits	3	2	2	3	5	100	Y	Y	-
	TOTAL	**13**	**2**	**12**	**18**	**20**				
		Total Teaching Hours 27								

1. CIE – Continuous internal evaluation (TCIE &/OR PCIE)
2. SSH - Self-study hours
3. PSEE – Practical semester end examination including ITD, Dissertation, Industrial project, Industrial training etc..
4. (@) Audit Course / Non-Gradial Course
5. TSEE – Theory Semester End Examinations
6. Y – Yes I N- No

Signature of HOD

Signature of Director

RK UNIVERSITY

DETAILED TEACHING SCHEME

SCHOOL OF DIPLOMA STUDIES
PROGRAM: D. ENGG. – ELECTRICAL ENGINEERING
ACADEMIC YEAR - 2022-23
SEMESTER – II (Batch - 2022-25)
DEFINATION OF CREDIT: **1. Lecture (L):** 1 hour/week/semester, **2. Practical (P)**: 2 hour/week/semester **3. Tutorial (T):** 2 hour/week/semester

TEACHING SCHEME										
Course Code	Course Name	Teaching Hours			SSH	Credits	Max. Marks of TSEE	CIE	PSEE	Remarks if any
		Theory	Tutorial	Practical						
DGN111	Environmental Studies	2	0	0	2	3	50	Y	N	
ESLB1B	English as a Second Language Preliminary Level II	3	0	0	3	3	100	Y	N	
DME206	Elements of Mechanical and Civil Engineering	4	0	2	3	5	100	Y	Y	
DGN209	Mathematics – II	4	0	0	3	4	100	Y	N	
DEC209	Basic Electronics	3	0	2	3	4	100	Y	Y	
DEE202	Fundamental of AC Circuits	3	2	2	4	5	100	Y	Y	
	TOTAL	**19**	**2**	**6**	**18**	**24**				
		Total Teaching Hours - 27								

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2. SSH - Self-study hours
3. PSEE – Practical semester end examination including ITD, Dissertation, Industrial project, Industrial training etc..
4. (@) Audit Course / Non-Gradial Course
5. TSEE – Theory Semester End Examinations
6. Y – Yes I N- No

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DETAILED TEACHING SCHEME

SCHOOL OF DIPLOMA STUDIES
PROGRAM: D. ENGG. – ELECTRICAL ENGINEERING
ACADEMIC YEAR - 2022-23
SEMESTER – III (Batch - 2021-24)
DEFINATION OF CREDIT: **1. Lecture (L):** 1 hour/week/semester, **2. Practical (P)**: 2 hour/week/semester **3. Tutorial (T):** 2 hour/week/semester

TEACHING SCHEME										
Course Code	Course Name	Teaching Hours			SSH	Credits	Max. Marks of TSEE	CIE	PSEE	Remarks if any
		Theory	Tutorial	Practical						
DME205	Basic Engineering Drawing	2	0	4	4	4	50	Y	Y	-
DEC206	Electronics Workshop	0	0	2	4	1	-	Y	Y	-
DEE305	Electrical Machines-I	3	0	4	3	5	100	Y	Y	-
DEE307	Electrical Measurement and Measuring Instruments	3	0	2	3	4	100	Y	Y	-
DEE410	Electrical Power System-I	3	0	2	3	4	100	Y	Y	-
DEE412	Utilization of Electrical Power	3	0	2	3	4	100	Y	Y	-
	TOTAL	**14**	**0**	**16**	**20**	**22**				
		Total Teaching Hours- 30								

1. CIE – Continuous internal evaluation (TCIE &/OR PCIE)
2. SSH - Self-study hours
3. PSEE – Practical semester end examination including ITD, Dissertation, Industrial project, Industrial training etc..
4. (@) Audit Course / Non-Gradial Course
5. TSEE – Theory Semester End Examinations
6. Y – Yes I N- No

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DETAILED TEACHING SCHEME

SCHOOL OF DIPLOMA STUDIES
PROGRAM: D. ENGG. – ELECTRICAL ENGINEERING
ACADEMIC YEAR - 2022-23
SEMESTER – IV (Batch - 2021-24)
DEFINATION OF CREDIT: **1. Lecture (L):** 1 hour/week/semester, **2. Practical (P)**: 2 hour/week/semester **3. Tutorial (T):** 2 hour/week/semester

TEACHING SCHEME										
Course Code	Course Name	Teaching Hours			SSH	Credits	Max. Marks of TSEE	CIE	PSEE	Remarks if any
		Theory	Tutorial	Practical						
DEC418	Digital Electronics and Microcontroller	4	0	2	4	5	100	Y	Y	-
DEE408	Electrical Machines – II	3	0	2	4	4	100	Y	Y	-
DEE409	Computer Aided Electrical Drawing, Drafting and Simulation	0	0	4	4	2	-	Y	Y	-
DEE414	Energy Conservation and Audit	3	0	2	2	4	100	Y	Y	-
DEE516	Electrical Wiring, Estimating, Costing and Contracting	3	2	2	4	5	100	Y	Y	-
XXXX	University Elective - I	3	0	0	3	3	100	Y	N	--
	TOTAL	**16**	**2**	**12**	**21**	**23**				
		Total Teaching Hours - 30								

1. CIE – Continuous internal evaluation (TCIE &/OR PCIE)
2. SSH - Self-study hours
3. PSEE – Practical semester end examination including ITD, Dissertation, Industrial project, Industrial training etc..
4. (@) Audit Course / Non-Gradial Course
5. TSEE – Theory Semester End Examinations
6. Y – Yes I N- No

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RK UNIVERSITY

DETAILED TEACHING SCHEME

SCHOOL OF DIPLOMA STUDIES
PROGRAM: D. ENGG. – ELECTRICAL ENGINEERING
ACADEMIC YEAR - 2022-23
SEMESTER – V (Batch - 2020-23)
DEFINATION OF CREDIT: **1. Lecture (L):** 1 hour/week/semester, **2. Practical (P)**: 2 hour/week/semester **3. Tutorial (T):** 2 hour/week/semester

TEACHING SCHEME										
Course Code	Course Name	Teaching Hours			SSH	Credits	Max. Marks of TSEE	CIE	PSEE	Remarks if any
		Theory	Tutorial	Practical						
DEE516	Electrical Wiring, Estimating, Costing and Contracting	3	2	2	4	5	100	Y	Y	-
DEE519	Installation and Maintenance of Electrical Equipments	3	0	2	3	4	100	Y	Y	-
DEE520	Electrical Switch Gear and Protection	3	0	2	3	4	100	Y	Y	-
DEE521	Electrical Power System-II	3	0	2	3	4	100	Y	Y	-
DEE523	Mini Project	0	0	2	4	1	-	Y	Y	-
DEEXXX	Department Elective-I	3	0	2	3	4	100	Y	Y	-
	TOTAL	**15**	**2**	**12**	**20**	**22**				
		Total Teaching Hours- 29								

1. CIE – Continuous internal evaluation (TCIE &/OR PCIE)
2. SSH - Self-study hours
3. PSEE – Practical semester end examination including ITD, Dissertation, Industrial project, Industrial training etc..
4. (@) Audit Course / Non-Gradial Course
5. TSEE – Theory Semester End Examinations
6. Y – Yes I N- No

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DETAILED TEACHING SCHEME

SCHOOL OF DIPLOMA STUDIES
PROGRAM: D. ENGG. – ELECTRICAL ENGINEERING
ACADEMIC YEAR - 2022-23
SEMESTER – VI (Batch - 2020-23)
DEFINATION OF CREDIT: **1. Lecture (L):** 1 hour/week/semester, **2. Practical (P)**: 2 hour/week/semester **3. Tutorial (T):** 2 hour/week/semester

TEACHING SCHEME										
Course Code	Course Name	Teaching Hours			SSH	Credits	Max. Marks of TSEE	CIE	PSEE	Remarks if any
		Theory	Tutorial	Practical						
DEE601	Industrial Training*	0	0	0	20	25	-	Y	Y	-
	TOTAL	**0**	**0**	**0**	**20**	**25**				-
		Total Teaching Hours- 00								

1. CIE – Continuous internal evaluation (TCIE &/OR PCIE)
2. SSH - Self-study hours
3. PSEE – Practical semester end examination including ITD, Dissertation, Industrial project, Industrial training etc..
4. (@) Audit Course / Non-Gradial Course
5. TSEE – Theory Semester End Examinations
6. Y – Yes I N- No
7. * Students are required to undergo 14-16 weeks training / field visit / workshop in relevant field during semester

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SYLLABUS

Course Title	**Industrial Training**
Course Code	**DEE601**
Total Credits	**25**

OBJECTIVES

Objectives The objectives of a program of Industrial Training are:

- Applying acquired knowledge in problem-based exercises in real life industrial projects.
- Ensuring the relevant degree coursework and training programs conducted according to the expectations of the industry, to ensure the subject contents are relevant and up to date.
- Providing opportunity for students to acquire practical skills and experience working on projects alongside industry experts.
- Providing an opportunity for students to acquire interpersonal skills and ability for team work through interaction with professionals in their field of study.
- Learning about ethics in the industry.
- Learning accepted safety practices in the industry.
- Providing an opportunity for students to learn about the industry of their discipline and related environment.
- Providing an opportunity for the industry to identify potential employees and to feedback comments on the degree program at large.
- Providing opportunity to obtain knowledge of how to make optimal decisions to resolve work challenges.
- Overall, students will gain experience in the following:
    - Organizational skills and professional awareness.
    - Ability to work under supervision and directions.
    - Efficiently completing tasks, fostering good relationship with seniors and subordinates.
    - Communication skills and contribution to company.

Learning Outcomes

Upon completion of Industrial Training, learners shall be able to:

- Extend the boundaries of knowledge through research and development.
- Develop significant commitment in the students'profession/specialization.
- Integrate classroom theory with workplace practice.
- Develop greater clarity about academic and career goals.
- Develop new or advanced skills.
- Develop lifelong learning skills.
- Gain understanding of administrative functions and company culture.
- Appreciate the ethical basis of professional practice in relevant industry.
- Display a capacity for critical reasoning and independent learning.
- Exercise the role of the professional/specialist/manager/supervisor confidently in the relevant industry.
- Write formatted report explaining the work in industrial training and describing the experience.
- Assess the adequacy of training.
- Explore options in career plans and goals.
- Make a gradual transition from academia to career.