KSR INSTITUTE FOR ENGINEERING AND TECHNOLOGY
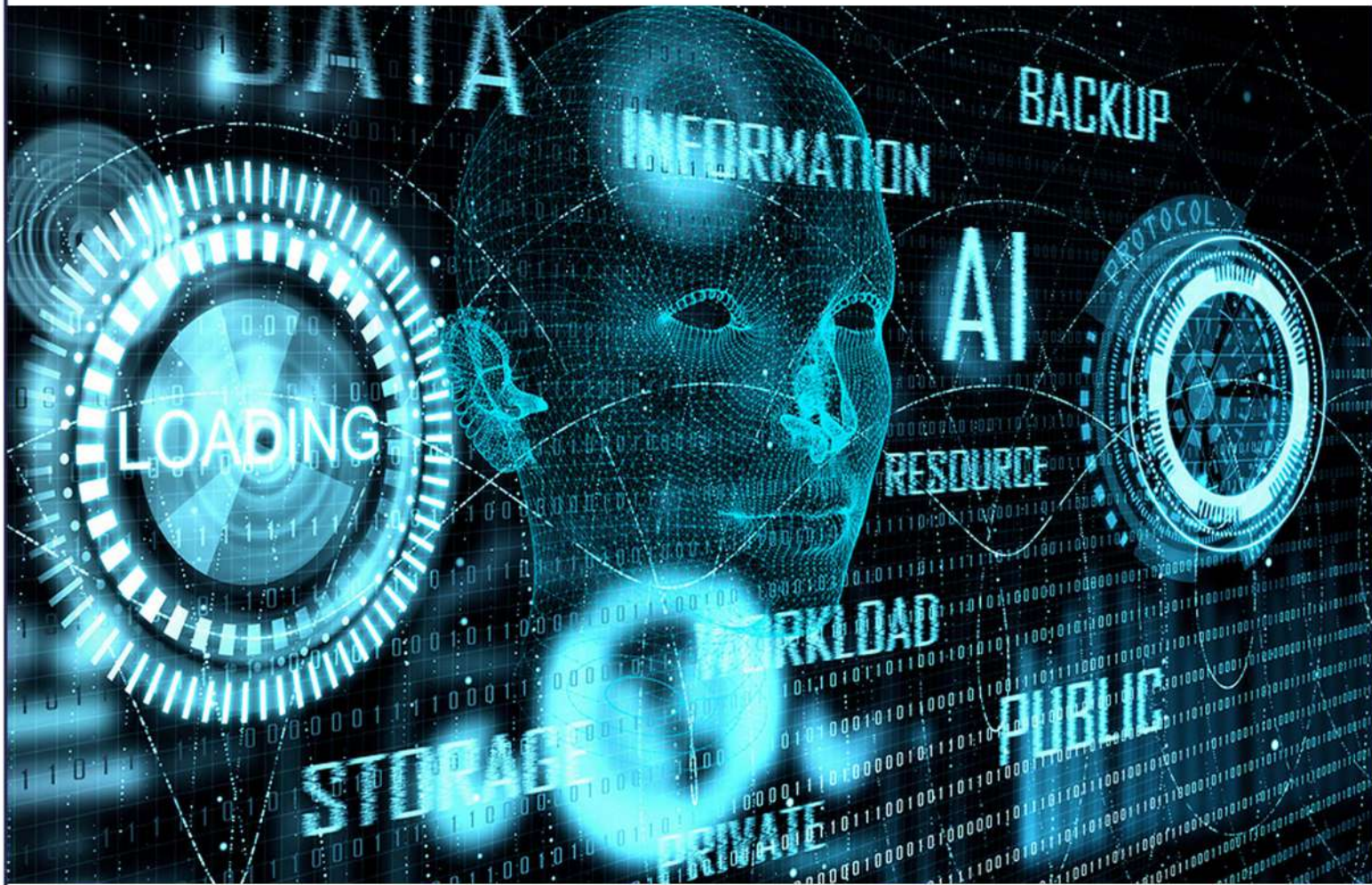
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KSR IET
WHERE FUTURE BEGINS...

DEPARTMENT OF INFORMATION TECHNOLOGY

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NEWS LETTER

KSR INSTITUTE FOR ENGINEERING AND TECHNOLOGY

Vision

To become a globally recognized Institution in Engineering Education, Research and Entrepreneurship.

Mission

IM1	Accomplish quality education through improved teaching learning process
IM2	Enrich technical skills with state of the art laboratories and facilities
IM3	Enhance research and entrepreneurship activities to meet the industrial and societal needs

DEPARTMENT OF INFORMATION TECHNOLOGY

Vision

To produce competent Information Technology Professionals and Entrepreneurs with ethical values to meet the global challenges.

Mission

DM1	Impart quality education with ethical values in Information Technology through improved teaching learning process
DM2	Provide an ambient learning environment using state of the art laboratories and facilities
DM3	Encourage research and entrepreneurship activities to meet the dynamic needs of Information Technology industry and society

Editorial Board

Faculty In-charge : Mr. M.Selvakumar,
Assistant Professor / IT

Student Members : R.Santhosh Kumar II/IT
K.Saraswathy,III/ IT
P.Dharani,IV/ IT

SYMPOSIUM

Our college KSR Institute for Engineering and Technology in association with IEEE, ICT Academy, ISTE, Computer society of India conducted a national level technical symposium **SPRING FEST – 2K'19** *on 22nd February 2019.* **Mr. Lokesh Ravichandru, Chief Technology Officer, Grootan technologies** *inaugurated the symposium and gave motivational speech to the students.*

Our Department of Information Technology organized activities such as

❖ Paper presentation on the topic "**RECENT TRENDS IN ENGINEERING & TECHNOLOGY"**

- ❖ Technical events such as **Tech zone, IT Quiz** and **cross word puzzle**.
- ❖ Non technical events such as **Brusho, Laddo** and **PUBG**

GUEST LECTURE ON COMPILER DESIGN

A one day guest lecture on Compiler Design was conducted for our students to make them more knowledgeable about important concepts, exam preparation and presentation on 19.02.2019. Mrs.C.Gomathi, Assistant Professor / CSE, Anna University BIT-Campus, Tiruchirappalli , handled the session for IT third years and encouraged the to fare in the subject.

WORKSHOP ON MACHINE LEARNING USING R PROGRAMMING

A one day workshop on **Machine Learning Using R Programming** was carried out on 21.02.19 in association with CSI chapter at virtusa lab. Mr.Boopathi, Data Analyst , CEO, Training Trains, Coimbatore handled the session and trained the students. Various concepts such as deep learning using R, neural networks, simple machine learning programs were discussed. Mr. Boopathi insisted on the importance and growing demand to be had for machine learning programmers.

GUEST LECTURE ON DESIGN AND ANALYSIS OF ALGORITHMS

A one day workshop on **Design and Analysis of Algorithms** was carried out on 13.02.19 in association with CSI chapter at IT lab Mr. R. Arunkumar, Assistant Professor / IT, Bannari Amman Institute of Technology, Sathyamangalam handled the session for IT second years and informed the students how algorithm design leads to better solutions, effective usage of time, resources and industrial expectation towards algorithmically strong workforce.

STUDENT PARTICIPATION

S. No.	Name of the Student	Year/ Sem.	Name of the Program	Date	Organized By
TECHNICAL EVENTS					
1.	G.Mounish R.Santhosh Kumar	II/IV	Google Hunt	14.02.2019 & 15.02.2019	Info Institute of Engineering
PAPER PRESENTATION					
1.	G.Mounish R.Santhosh Kumar	II/IV	Bluejacking	14.02.2019 & 15.02.2019	Info Institute of Engineering
2.	G.Priyadarshni V.Yaksheetha	III/VI	Internet of Things	05.01.2019	V S B Engineering College, Karur
3.	A.Oviya	III/VI	Blue Eye Technology	05.01.2019	V S B Engineering College, Karur

STUDENT PROJECTS

The project " **Smart Farm Monitoring System**" done by Mohanraj S, Hakkem M,
 Neshak kumar S and Tamilarasan G of our third year was selected for PalsInnowah
competition and it was presented at IIT ResearchPark, Chennai on 22.02.2019.

ACADEMIC TOPPERS

S. No.	YEAR / SEM.	NAME OF THE STUDENT	CGPA	RANK
1.	I/I	SRIMATHI E	7.40	1
2.	I/I	PRIYADHARSHINI E	7.40	1
3.	II/III	GOBIKA M	8.23	1
4.	II/III	LAKSHMANAN R	8.17	2
5.	II/III	JESSICA COLLINS	7.79	3
6.	III/V	JANANI M	8.24	1
7.	III/V	GOWRI D	7.67	2
8.	III/V	SARASWATHY K	7.60	3
9.	IV/VII	P. DHARANI	7.72	1
10.	IV/VII	R. SARAVANAPRIYA	7.70	2
11.	IV/VII	R. DIVYA	7.53	3

NPTEL COURSES ATTENDED BY FACULTY

S. NO	Name of the Student	Name of the course	Duration	Grade Obtained
1.	D.Balakrishnan	Programming in C++	*January to March 8 Weeks*	Successfully completed the course

FACULTY PARTICIPATION

| S. No.	Name of The Faculty	Title of the Program	Type of the Program	Conducted by (Dept. and Institution	Date
1.	K.G.Lavanya	Problem Based Learning	Short Term Training Program	National institute of Technical Teachers Training and Research	11.02.2019 to 15.02.2019
2.	M. Dhurgadevi	Moodle Learning Management System	Workshop	Mahendra Engineering College, Namakkal	15.03.2019
3.	Dr. K.Gowsic	Information Science and Renewable Energy Resources	International Conferrence	Selvam College of Technology	07.03.2019 to 08.03.2019
4.		Latest Trends in Science, Engineering and Technology	International Conferrence	Karpagam College of Technology	22.03.19 to 23.03.19
5.	Dr. K.Gowsic L.Deepan Prabu D.Balakrishnan S. Nandhagopal M.SelvaKumar K.G.Lavanya L.Priyankadevi	Networking and Communication Systems	National Conferrence	Excel Engineering College, Komarapalayam	15.03.2019

Program Outcomes (POs)

PO1	**Engineering Knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the IT enabled solution of complex engineering problems.
PO2	**Problem Analysis:** Identify, analyze and provide solutions to the problems reaching substantiated IT enabled conclusions.
PO3	**Design/Development of Solutions:** Design solutions for complex engineering problems and design system components or processes that meet the desired needs within realistic constraints.
PO4	**Conduct Investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
PO5	**Modern Tool Usage**: Create, select and apply appropriate techniques, resources and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
PO6	**The Engineer and Society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
PO7	**Environment and Sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
PO8	**Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of engineering practice.
PO9	**Individual and Team Work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
PO10	**Communication:** Communicate effectively on engineering activities with the engineering community and with society.
PO11	**Project Management and Finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
PO12	**Life Long Learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Program Specific Outcomes (PSOs)

PSO1	**Programming Skill**	Work as Software Engineers for providing solutions to real world problems using programming languages and open source software.
PSO2	**Web Designing Skill**	Ability to use the web designing skill to establish new solutions for the societal needs.

Program Educational Objectives (PEOs)

PEO	Key Words	Description
PEO 1	**Core Competency**	Graduates will be successful professionals in career by applying the knowledge of mathematics, science and engineering with appropriate techniques and modern tools.
PEO 2	**Professionalism**	Graduate will exhibit soft skills, professional and ethical values and thrust for continuous learning to maintain professionalism in the IT industries.
PEO 3	**Higher Studies and Entrepreneurship**	Graduates will engage in higher studies and outshine as entrepreneurs through life-long learning which leads to societal benefits.
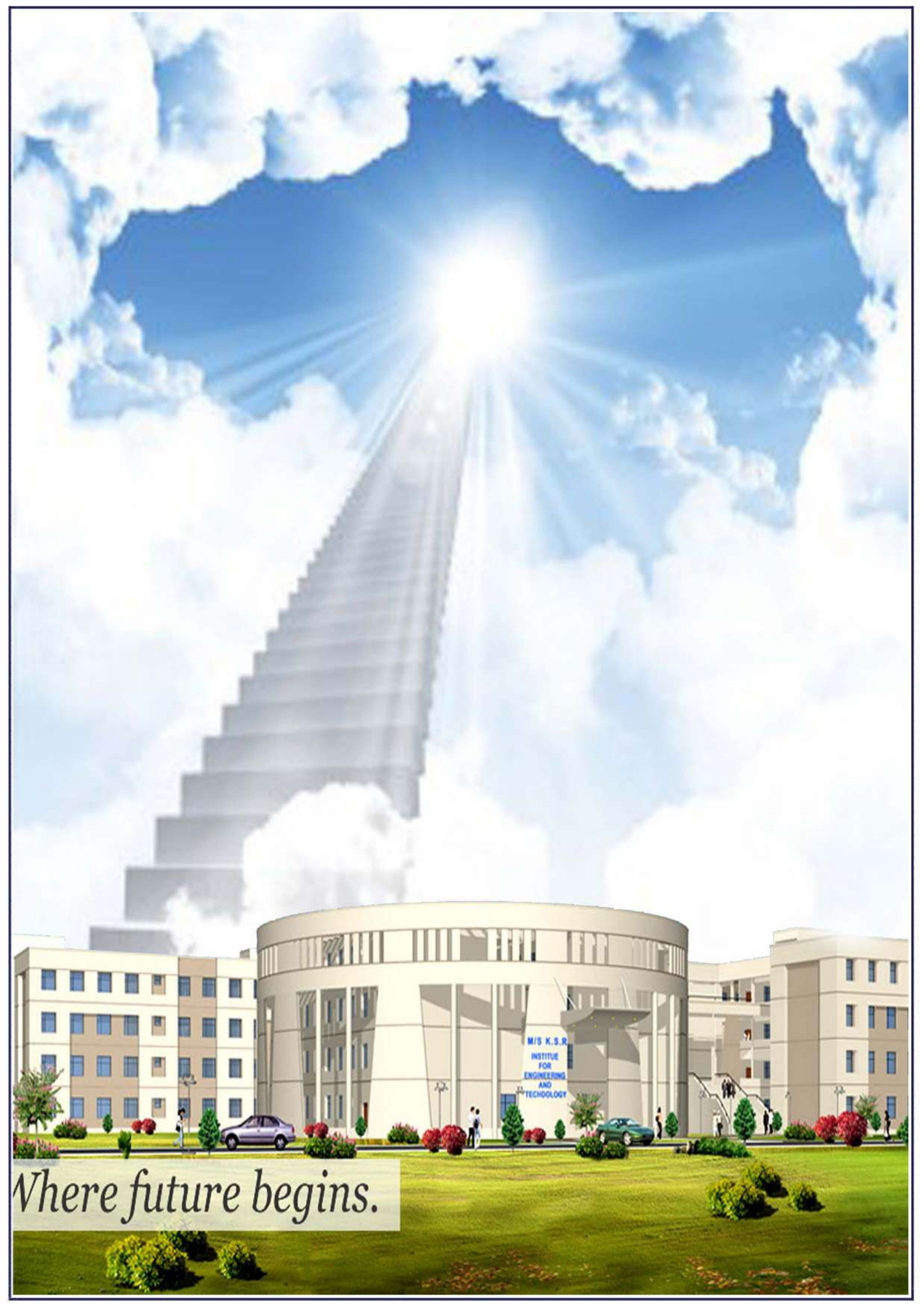
M/S K.S.R.
INSTITUE
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Where future begins.