



V.K.R., V.N.B. & A.G.K. COLLEGE OF ENGINEERING

(Approved by AICTE, New Delhi & Affiliated to JNTUK, KAKINADA)

(An ISO 9001:2015 certified institute)

Gudivada, Krishna District, Andhra Pradesh - 521301

Mobile -91 92465 42188/91546 05555 E mail: principalnh2008@gmail.com URL : <http://www.vkrvnbcoe.org>

Date: 12-03-2021

CIRCULAR

All the students of B.Tech III year Mechanical Engineering are informed to attend "A One day seminar on Methodological advances in Entrepreneurship research" by Mr. N.Dhanunjaya Rao, HOD MBA Department R.K College of Engineering Kethanakonda, Andhra Pradesh is being organized by our EDC cell on 18-03-2021.

Venue: Mechanical Seminar Hall

Timing: 10:00AM

[Handwritten Signature]
12/3/2021

PRINCIPAL
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VKR VNB & AGK COLLEGE OF ENGINEERING
Eluru Road, GUBIVADA, Kri Dt. A.P. 521 301

Signature of all HODs							TPO	OFFICE	IQAC	LIBRARY
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Gudivada, Krishna District, Andhra Pradesh – 521301

Mobile –91 92-465-42188/91546 06666 E-mail: principalh2008@gmail.com URL : <http://www.vknbcce.org>

Date: 20-03-2021

PROGRAMME REPORT

Programme Name	A One day seminar on Methodological advances in Entrepreneurship research
Resource person	Mr. N.Dhanunjaya Rao, HoD MBA Department R.K College of Engineering Kethanakonda, Andhra Pradesh.+91 9703542828
Date of Activity	18-03-2021
Organized By	V.K.R., V.N.B & A.G.K COLLEGE OF ENGINEERING
Venue	Mechanical Seminar Hall

Objective of the programme

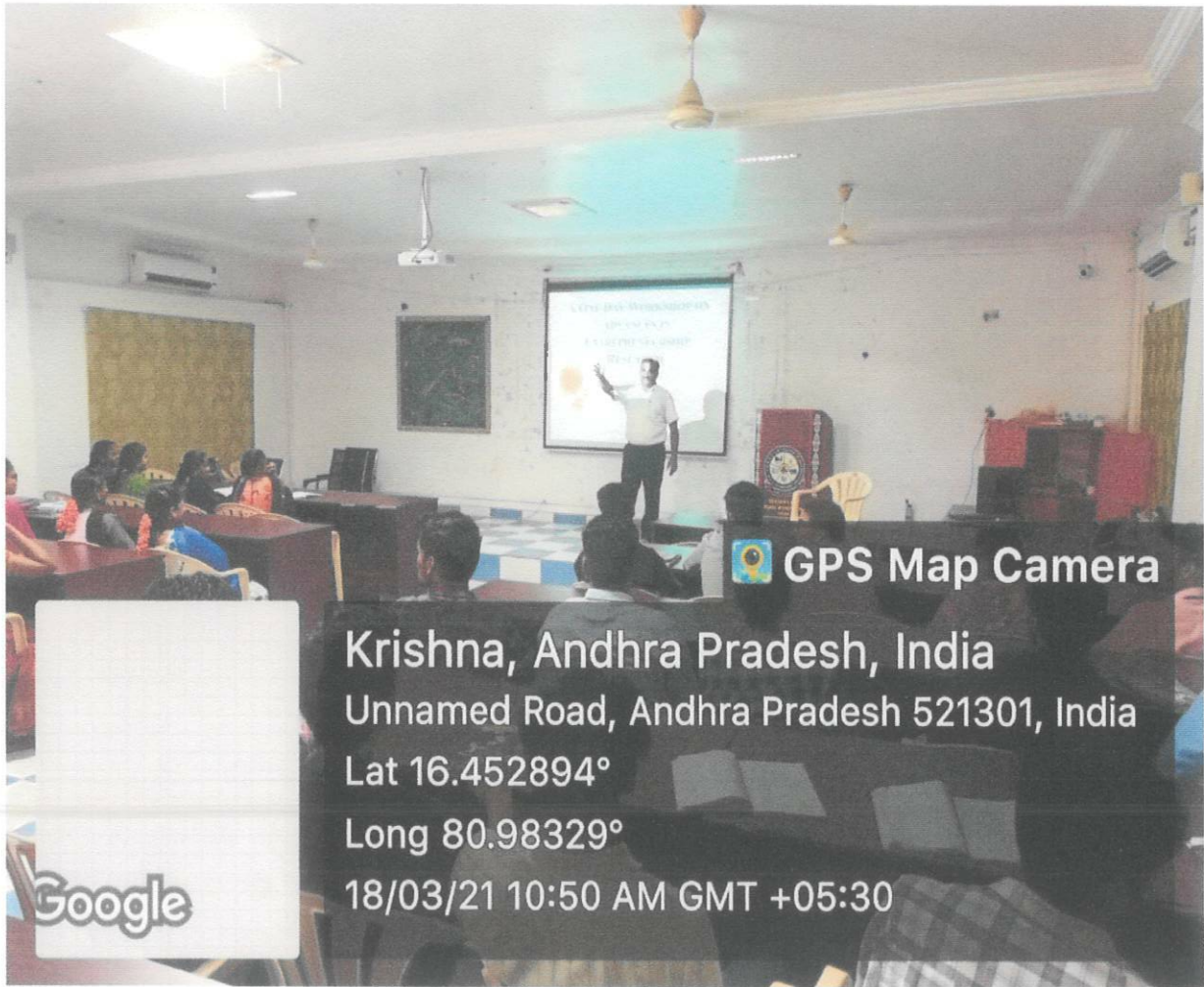
Entrepreneurship has experienced significant advances in recent years, thanks to a combination of technological advancements, changing market dynamics, and new ways of thinking about business. Here are some of the key advances in entrepreneurship

Topics Covered

- **E-commerce:** The rise of e-commerce has given entrepreneurs access to global markets and enabled them to start businesses without the need for a physical storefront. E-commerce platforms like Shopify, Amazon, and eBay have made it easy for anyone to start selling products online.
- **Social media:** Social media has revolutionized the way entrepreneurs reach and engage with their customers. Platforms like Facebook, Instagram, and Twitter provide entrepreneurs with powerful tools for building brand awareness and connecting with potential customers.
- **Crowd funding:** Crowd funding has emerged as a popular way for entrepreneurs to raise funds for their businesses. Platforms like Kick starter and Indiegogo allow entrepreneurs to showcase their products or services and receive financial backing from the public.
- **Remote work:** The pandemic has accelerated the shift towards remote work, which has opened up new opportunities for entrepreneurship. Entrepreneurs can now hire talent

from anywhere in the world and operate their businesses from anywhere with an internet connection.

- **Artificial intelligence:** AI has the potential to transform entrepreneurship by automating tasks, improving decision-making, and enabling new business models. AI-powered tools like chatbots, predictive analytics, and natural language processing are already being used by entrepreneurs to streamline operations and improve customer experiences.
 - Overall, entrepreneurship continues to evolve and adapt to changing market conditions and technological advancements. The advances mentioned above are just a few examples of how entrepreneurship is advancing and opening up new opportunities for innovative thinkers and risk-takers.
-



Outcomes of Programme:

The students and faculty learned about Methodological advances in Entrepreneurship research

They gain the knowledge on:

Advances in entrepreneurship can lead to a variety of positive outcomes for individuals and society as a whole. Some of these outcomes include:

Job creation: Entrepreneurs often create new businesses and job opportunities, which can help to reduce unemployment and stimulate economic growth.

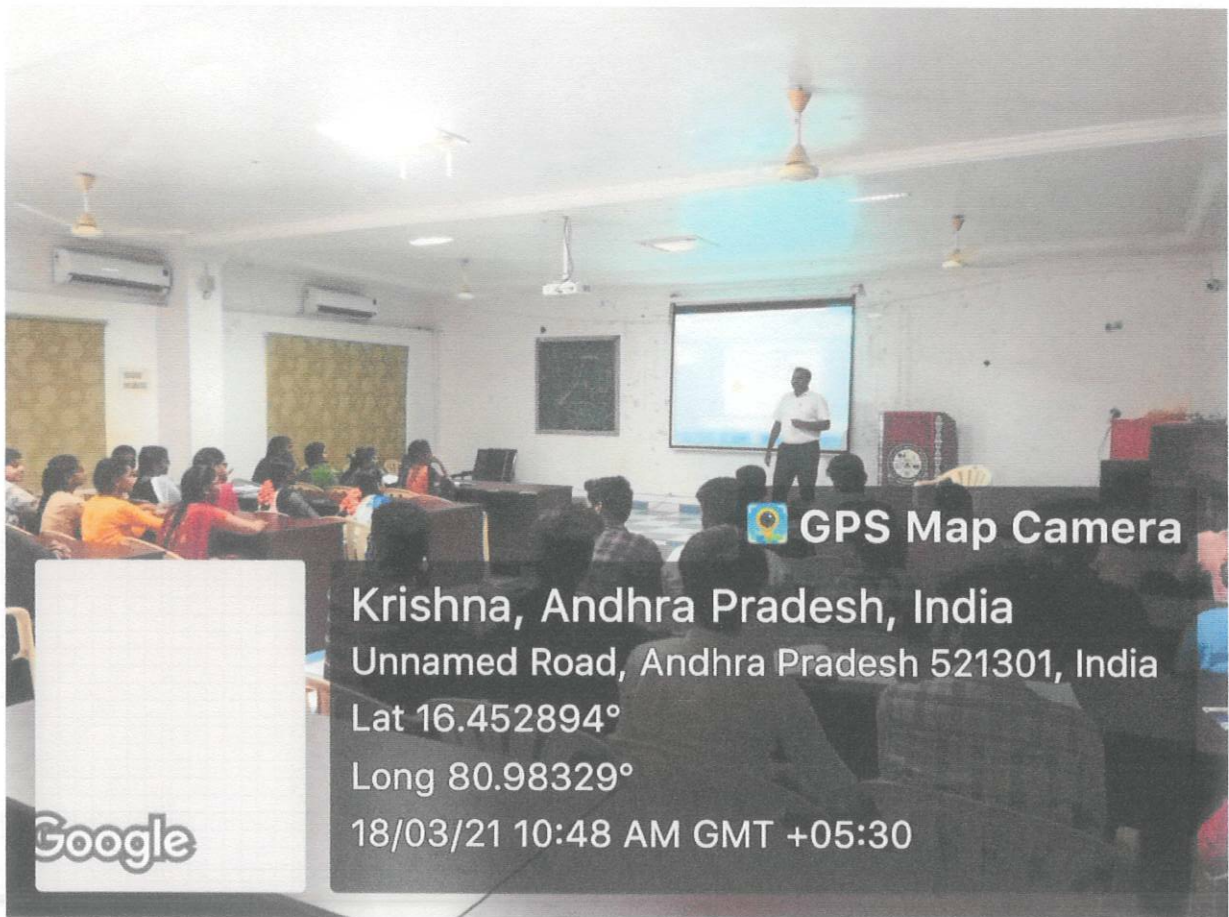
Innovation: Entrepreneurs are often at the forefront of developing new technologies, products, and services, which can improve people's lives and help to address societal challenges.

Increased competition: Entrepreneurship can increase competition in markets, which can lead to better products and services, lower prices, and greater efficiency.

Wealth creation: Successful entrepreneurs can generate significant wealth for themselves and their investors, which can be reinvested in new ventures or used to support other important initiatives.

Social impact: Many entrepreneurs are motivated by a desire to make a positive social impact, such as by addressing environmental challenges, improving healthcare outcomes, or promoting social justice.

Overall, advances in entrepreneurship can help to drive economic growth, promote innovation, and create positive social and environmental outcomes.



On 18-03-2021 from our college students and faculties have participated in the Methodological advances in Entrepreneurship research


Programme Coordinator



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LIST OF PARTICIPANTS

Name of the Programme: A One day seminar on Methodological advances in Entrepreneurship research

Date: 18-03-2021

S. No	Name of the Participant	Roll No.	Course and Year	Signature
1	DANDABATTINA SAIRAM	18NH1A0301	III MECH	D. Sai Ram
2	BOPANA SUJWAL	18NH1A0302	III MECH	B. Sujwal
3	CHINTAGUNTA RATNA LOKESH	18NH1A0303	III MECH	Chintagunta Ratna Lokesh
4	GANNAMANENI DURGA SAI RAM	18NH1A0304	III MECH	Gannammeni Durga sai ram
5	GANTA SRI DURGA GANESH	18NH1A0305	III MECH	G. S. D. Ganesh
6	KATI KI SUDHEER KUMAR	18NH1A0308	III MECH	Katiki, Sudheer kumar
7	KATTA JITENDRA VENKATA REDDY	18NH1A0309	III MECH	K. Jitendra Venkata reddy
8	KATTULA ANIL KUMAR	18NH1A0310	III MECH	K. Anil Kumar
9	KOLLURI KIRAN SAI	18NH1A0312	III MECH	K. Kiran Sai
10	MOHAMMAD HASEN	18NH1A0313	III MECH	M. Hasen
11	MUDDA RAJESH	18NH1A0314	III MECH	M. Rajesh
12	MUMMADI MANOJ	18NH1A0315	III MECH	M. Manoj.
13	NAGIDI HIJKIYA RAJU	18NH1A0316	III MECH	N. Hijkuya raj.
14	NALLAGUNCHU CHAITANYA	18NH1A0317	III MECH	N. chaitanya
15	NIMMAKAYALA SRIRAM	18NH1A0318	III MECH	N. Sriram
16	RAJAMANDRI SURENDRA	18NH1A0319	III MECH	R. Surendra
17	RAULAPALLI JASWANTH	18NH1A0320	III MECH	R. Jaswanth
18	VANNEMREDDY VIDYADHAR	18NH1A0321	III MECH	V. Vidyadhar
19	AGNIHOTRAM SRIHARSHA	19NH5A0301	III MECH	A. Sri Harsha
20	BADUGU NAGABABU	19NH5A0302	III MECH	B. Nagababu
21	BATTINA NAGEEN	19NH5A0303	III MECH	B. Nageen

22	BEZAWADA VENKATA DURGA PRASAD	19NH5A0304	III MECH	B.VENKATA DURGA PRASAD
23	DOOSA MAHESH CHANDRA	19NH5A0307	III MECH	D. Mahesh Chandra
24	GONEPALLI V S R PRASAD	19NH5A0308	III MECH	G. VSR Prasad
25	GORIPARTHI MANIKANTA	19NH5A0309	III MECH	G. Manikanta
26	GUDAPATI KIRAN KUMAR	19NH5A0310	III MECH	G. Kiran Kumar
27	GUNTU RAJU	19NH5A0311	III MECH	G. Raju
28	JUPUDI MOHITH NAGA SAI SRINIVAS	19NH5A0312	III MECH	J. Mohith
29	KATAKAMSETTI DURGA BHANU	19NH5A0313	III MECH	K. DURGA
30	KORASIKHA BHANU PRASAD	19NH5A0314	III MECH	K. Bhanu Prasad
31	KUMPATI RAMBABU	19NH5A0315	III MECH	K. Rambabu
32	LAVETI TEJA	19NH5A0316	III MECH	LAVETI TEJA
33	LOYA JASWANTH	19NH5A0317	III MECH	L. Teja
34	MATTHI RAKESH	19NH5A0318	III MECH	M. Rakesh
35	NAGULLA GOPALA KRISHNA KISHORE	19NH5A0320	III MECH	N. GOPALA
36	NARAGAM NAGA BABU	19NH5A0321	III MECH	Naragam Naga Babu
37	PAGOLU VAMSI	19NH5A0322	III MECH	P. Vamsi
38	PEDDIBOINA GOPI THRINADH	19NH5A0324	III MECH	P. Gopithrinadh
39	PILLA VENKATA MADHUSUDHANA RAO	19NH5A0325	III MECH	P. Venkata Madhusudhana Rao
40	RAJABOYINA SASI KUMAR	19NH5A0327	III MECH	R. Sasi Kumar
41	RAJULAPATI NAGA MAHESH	19NH5A0328	III MECH	R. Mahesh
42	RALI VENKATA PHANENDRA	19NH5A0329	III MECH	Venkatesan
43	RAMESWARAM SUNDEEP	19NH5A0330	III MECH	R. Sundeep
44	SARIHADDU RAKESH	19NH5A0331	III MECH	S. Rakesh
45	SHAIK SALEEM BASHA	19NH5A0332	III MECH	Basha
46	SRIKAKULAPU NIREEKSHAN PAUL	19NH5A0333	III MECH	S. Paul
47	SYED ARIF BASHA	19NH5A0334	III MECH	S. Arif Basha
48	TUMMAPUDI DILEEP	19NH5A0335	III MECH	DILEEP
49	SINGA VARAPU GANESH	19NH5A0338	III MECH	Ganesh

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LIST OF PARTICIPANTS

Name of the Programme: A One day seminar on Methodological advances in Entrepreneurship research

Date: 18-03-2021

S. No	Name of the faculty member	Department	Signature
1	Mr G.V.N.B.Prabhakar	Mechanical	
2	Mr K Durga Prasad	Mechanical	
3	Mr KVJP Narayana	Mechanical	K.V.P. Narayana
4	Mr K Manipaul	Mechanical	
5	Mr P Krishnam Raju	Mechanical	P. Krishnam Raju
6	Mr Sai Santosh Kumar	Mechanical	

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ABOUT THE INSTITUTION

V.K.R, V.N.B. & A.G.K. College of Engineering, Gudivada established in the year 2008 is one of the best known self-financing co-educational institutions aiming to achieve excellence in Engineering Education. It is governed by General & Technical Educational Society (GATES) to uplift aspiring students with a good academic background. It offers five UG programs (B.Tech in Civil, EEE, Mechanical, ECE and CSE) and four PG programmes (M.Tech in VLSI, CSE, Thermal Engineering and MBA). It has a strong Industry-Institute Partnership Cell, Entrepreneurship Development Cell and R&D Cell to enhance the practical knowledge of the student.

ABOUT THE EDC CELL

India, poised on the threshold on becoming a superpower, is in a need of strong citizens with the ability to hold the helm and steer the nation towards a brighter tomorrow. Those with this ability and the will to lead are the entrepreneurs of tomorrow. Entrepreneurship Cell, VKRVNB hopes to play its part in realizing this vision. We at Entrepreneurship Development Cell VKRVNB believe that original and innovative ideas having the potential to change industry by creating value are formed in young mind. Moulding these ideas into successful ventures and tapping the entrepreneurial talent or such young minds stands as the prime motive for us. We try to provide adequate resources, extensive network and all kinds of support along with the appropriate platform for aspiring young entrepreneurs to hone their ideas.

ABOUT THE PROGRAMME

The training programme would help to provide:

Entrepreneurship has experienced significant advances in recent years, thanks to a combination of technological advancements, changing market dynamics, and new ways of thinking about business. Here are some of the key advances in entrepreneurship.

TOPICS COVERED

Contents of the course would touch upon following aspects, to achieve the objectives:

- E-commerce Feasibility analysis
- Social media
- Crowd funding
- Remote work
- Artificial intelligence

A One day seminar on “Methodological advances in Entrepreneurship research”

March 18th, 2021

Organized by

**ENTREPRENEURSHIP
DEVELOPEMENT CELL**



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ENGINEERING**

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Correspondent

Sri. B.KALYAN KUMAR
Director

PATRON
Dr. S. H. V. PRASADARAO
Principal

CONVENER
Sri G.V.N.B.Prabhakar
HOD, Dept of Mechanical Engineering

RESOURCE PERSON
Mr. N.Dhanunjaya Rao,
HoD MBA Department
R.K College of Engineering Kethanakonda.

COORDINATOR
Sri. K.HARI KISHAN
HOD, Dept of MBA

ORGANIZING COMMITTEE

Mr. K Manipaul Assistant Professor
Mr. P Krishnam Raju Assistant Professor
Mr. Sai Santosh Kumar Assistant Professor

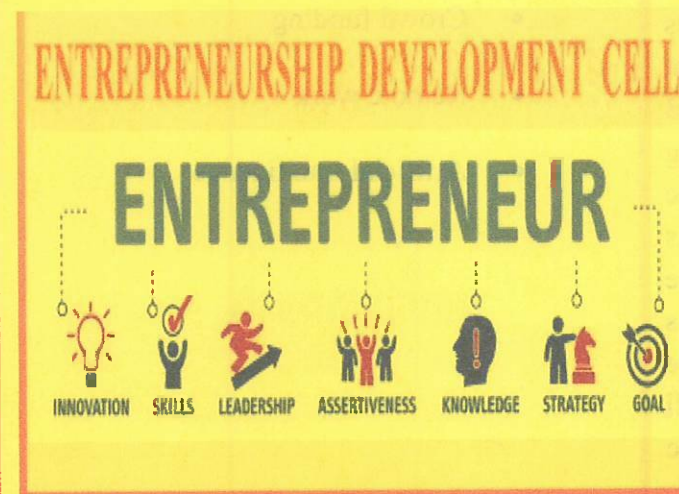
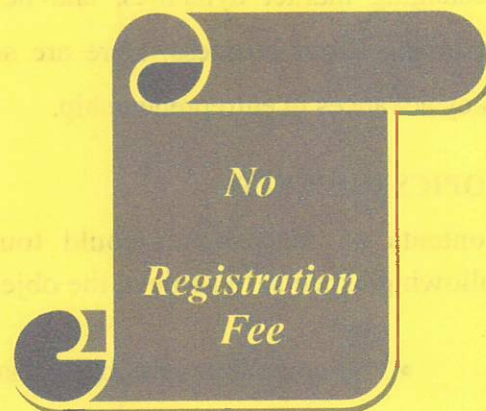
STUDENT COORDINATORS

1. K Sudheer Kumar
2. K Kiran Sai

ADDRESS FOR COMMUNICATION

Sri K.HARI KISHAN
HOD, Dept of MBA
E Mail:
vkrvnbedcell@gmail.com

REGISTRATION DETAILS



REGISTRATION FORM

A One day seminar on “Methodological advances in Entrepreneurship research”

Name: Mr./Ms.: _____

Regd. No: _____

Department: _____

Organization: _____

Address: _____

Pin: _____

Phone: _____

Fax: _____

E-mail: _____

Signature of participant

ENTREPRENEURSHIP DEVELOPMENT CELL
V.K.R, V.N.B. & A.G.K. College of Engineering Eluru Road,
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Phone number: 08674 242188
E-mail: vkrvnbengineering@gmail.com
Website: www.vkrvnbcoe.org



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Date: 01-02-2021

CIRCULAR

This is to inform that "A One Day Research Program on Hybrid Electric Vehicle" by Dr. N. Samba Siva Rao. M.Tech., Ph.D. Professor & HOD, Electrical and Electronics Engineering, NRI Institute of Technology, Vijayawada, Krishna District, AP. Being organized by our V.K.R., V.N.B & A.G.K College of Engineering on 05.02.2021. I request you all register immediately and attend the program.

Venue: Mechanical Seminar Hall, V.K.R, V.N.B & A.G.K College of Engineering

Timing: 10:00

Signature
11/2/2021

PRINCIPAL P.A.L
VKR VNB & AGK COLLEGE OF ENGINEERING
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Signature of all HODs							TPO	OFFICE	IQAC	LIBRARY
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CSE	ECE	CIVIL	MECH	FED	EEE	MBA				



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Mobils –91 92466 42188/91546 05555 E mail: principalnh2008@gmail.com URL : <http://www.vkrvnbeo.org>

DATE: 06-02-2021

PROGRAMME REPORT

Program Name	A One-Day Research Program on Hybrid Electric Vehicle
Resource Person	Dr. N. Samba Siva Rao. M.Tech., Ph.D. Professor & HOD, Electrical and Electronics Engineering, NRI Institute of Technology, Vijayawada, Krishna District, AP +91 9885482535
Date of Activity	05.02.2021
Organized by	V.K.R, V.N.B & A.G.K College of Engineering, Gudivada, Krishna District, AP
Venue	Electrical Seminar Hall

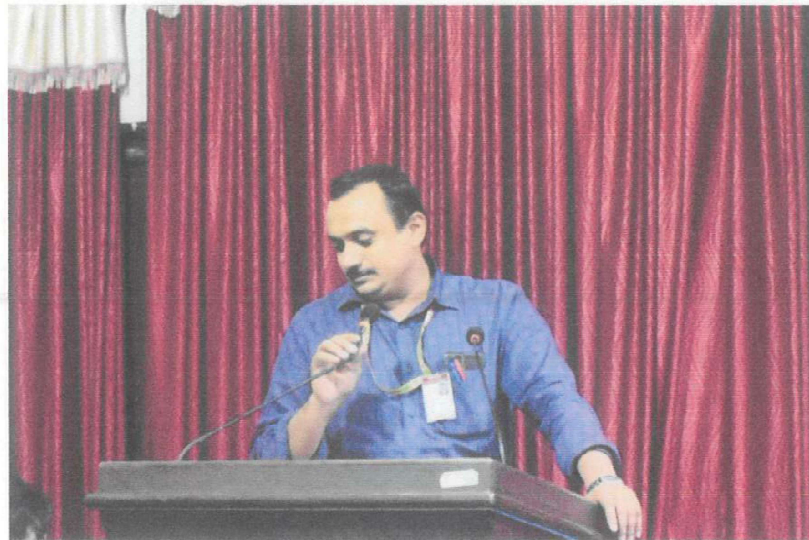
The objective of the program

- Maximize fuel economy
- Minimize fuel emissions
- Minimize propulsion system cost to keep affordable
- Maintain acceptable performance with a reasonable cost
- Reduce the conventional car weight

Topic covered

- a) Energy storage devices with high power-to-energy ratios
- b) Frequent shut down and start up of the HEV

- c) Reduce the size, weight, and cost
- d) Higher efficiency in the conversion of fuel to useful power
- e) Advanced configurations for the propulsion system components
 - Continuous Variable Transmission (CVT)
 - Automated shifted transmission
 - Manual transmission
 - Traditional automatic transmission with torque converter



Dr. N. Samba Siva Rao Garu addressing the students



Student's attendant the program

Program Coordinator

**V.K.R, V.N.B & A.G.K COLLEGE OF ENGINEERING**

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Gudivada, Krishna District, Andhra Pradesh - 521301

DATE: 05-02-2021

Electrical and Electronics Engineering**Students Attendance**

S.No	Name	Roll number	Department	Signature
1	KATTA HARSHA VARDHINI	18NH1A0202	EEE	K.Harsha vardhini
2	YENDURI RAMYA SRI	18NH1A0204	EEE	Yenduri ramya Sri P.Monikanta
3	MOGASALA VASANTHI	18NH1A0205	EEE	M. Vasanthi
4	PADAMATA PAVAN KUMAR	18NH1A0206	EEE	P. Pavan Kumar
5	VAKA JOHN DANIEL	18NH1A0207	EEE	V. John Daniel
6	AGANIPARTHI PURNACHANDRA RAO	19NH5A0201	EEE	A. Purnam Chandra Rao
7	AMBATI BHAVANI	19NH5A0202	EEE	A. Bhavani
8	BOMMASANI LAKSHMI PRASAD	19NH5A0203	EEE	B. Lakshmi
9	CHALAMALASETTI ANUDEEP	19NH5A0204	EEE	C. ANUDEEP
10	CHALLAGULLA RAGHU VAMSI	19NH5A0205	EEE	Ch. Raghu Vamsi
11	DIMMITI HEMANTH	19NH5A0207	EEE	D. Hemanth
12	DIRISANA SURESH	19NH5A0208	EEE	D. Suresh
13	JUVVANAPUDI JASHUVA	19NH5A0210	EEE	J. Jashuva
14	KANTHETI MAHESWARI	19NH5A0211	EEE	K. Maheswari
15	MARRAPU PENTAMMA	19NH5A0213	EEE	M. Pentamma



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16	MASIMUKKU SUDHAKAR	19NH5A0214	EEE	M. sudhakar
17	MERUGUMALA LOKESHBABU	19NH5A0215	EEE	M. Lokesh Babu
18	MOGADA HIMA VAMSI	19NH5A0216	EEE	M. Himavamsi
19	RIMMANAPUDI ROHIT BABU	19NH5A0217	EEE	R. Rohit Babu
	THOTA KAVYA SRI	19NH5A0220	EEE	T. KAVYA SRI


Program Coordinator


5/2/2021
PRINCIPAL

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ABOUT THE R&D CELL

The R&D Cell promotes and enables the students to carry out research activities in the respective domains and interdisciplinary areas with a set of guidelines. To promote and accelerate quality research within the institute and in collaboration with industry, other institutes and R&D organizations. To promote Innovation and consultancy activities through development of Research Centers and Centers of Excellence. To integrate Teaching and Research. To ensure integrity, quality and ethics in research. To promote generation of intellectual capital.

ABOUT PROGRAMME

Objectives:

- ❖ Introducing students to the concept of Electric vehicle and its importance in promoting innovation and creativity.
- ❖ Maximize fuel economy
- ❖ Minimize fuel emissions
- ❖ Minimize propulsion system cost to keep affordable
- ❖ Maintain acceptable performance with a reasonable cost
- ❖ Reduce the conventional car weight

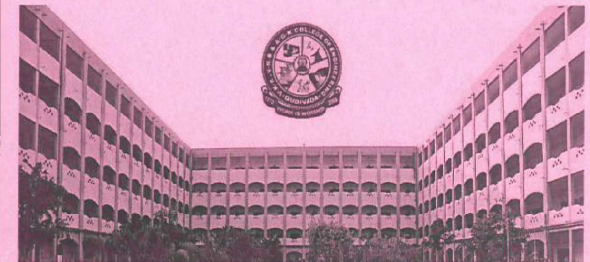
LEARNING OUTCOMES

- ❖ Hybrid Electric Vehicle is going to occupy the roads in near future. In the current global scenario, the demand for Renewable Energy Systems (RES) has increased due to environmental issues and limited fossil resources.
- ❖ Operating Electric Vehicles with renewable energy sources will reduce the usage of fossil fuels to a greater extent.
- ❖ Energy storage devices with high power-to-energy ratios
- ❖ Frequent shut down and startup of the HEV
- ❖ Reduce the size, weight, and cost
- ❖ Higher efficiency in the conversion of fuel to useful power.

A ONE DAY RESEARCH PROGRAM ON "HYBRID ELECTRIC VEHICLE"

05TH FEB 2021
Organized by

RESEARCH AND
DEVELOPMENT CELL



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Chairman

Sri V.V.KODANDA RAMAIAH
Secretary & Correspondent

PATRON

Dr. G.VIJAY KUMAR
Principal

RESOURCE PERSON

Dr. N. Samba Siva Rao
M.Tech., Ph.D.
Professor & HOD, Dept. of EEE,
NRI Institute of Technology,
Vijayawada

CONVENER

Mr. G. Murali Krishna
HOD, Dept. of EEE

COORDINATOR

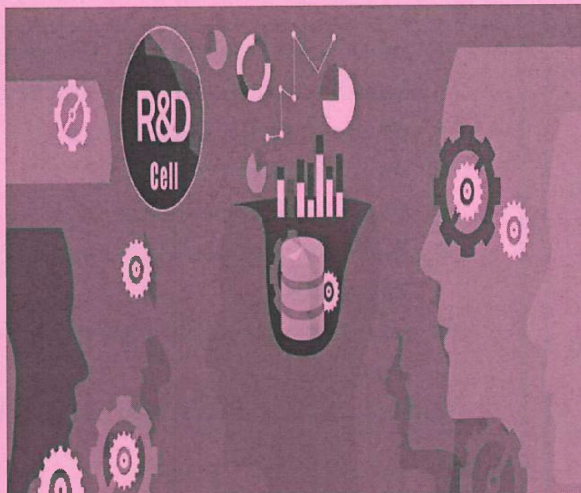
Sri K. RAVI Shankar
Assistant Professor, Dept. of EEE

ORGANIZING COMMITTEE

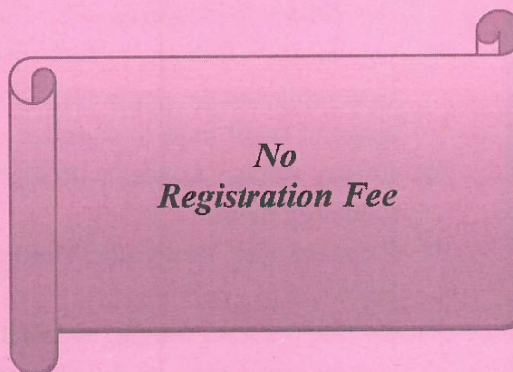
Mr. K Manipaul Assistant Professor
Mr. M Sai Santosh Assistant Professor
Ms. N. Kiranmayee Assistant Professor

STUDENT COORDINATORS

- 1. DIMMITI HEMANTH**
- 2. AMBATI BHAVANI**



REGISTRATION DETAILS



REGISTRATION FORM

**A ONE DAY RESEARCH PROGRAM
ON
"HYBRID ELECTRIC VEHICLE"**

Name: Mr./Ms.: _____
Roll Number: _____
Department: _____
Organization: _____
Address: _____

Pin: _____
Phone: _____
Fax: _____
E-mail: _____

Signature of participant

Signature of Head of the Institution
(With the official seal)

RESEARCH & DEVELOPMENT CELL
V.K.R, V.N.B. & A.G.K. College of Engineering Eluru
Road, Gudivada - 521301, A.P
Phone number: 08674 242188
E-mail: vkrvnbengineering@gmail.com
Website: www.vkrvnbcoe.org



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Date: 11-01-2021

CIRCULAR

All the students of Final year Computer Science Engineering are informed to attend “A One day seminar on Challenges in protection of Copyrights in the Digital Era” by Ms. R Sowjanya, Admin, Hrishikesh Technology, Gannavaram is being organized by our R&D cell on 22-01-2021.

Venue: CSE Seminar Hall

Time: 11:30AM

[Handwritten Signature]
11/01/2021
PRINCIPAL
V.K.R., V.N.B. & A.G.K. COLLEGE OF ENGINEERING
Eluru Road, GUDIVADA, Kri Dt. A.P. 521 301

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CSE	ECE	CIVIL	MECH	FED	EEE	MBA				



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Gudivaram, Krishna District, Andhra Pradesh – 521301

Mobile: +91 92465 42188/91546 05555 Email: principalnh2008@gmail.com URL: <http://www.vkrvnbco.org>

Date: 25-01-2021

PROGRAMME REPORT

Programme Name	A One day seminar on Challenges in protection of Copyrights in the Digital Era.
Resource person	Ms. R Sowjanya, Admin, Hrishikesh Technology, Gannavaram, +91 9959660050
Date of Activity	22-01-2021
Organized By	V.K.R., V.N.B & A.G.K COLLEGE OF ENGINEERING
Venue	CSE Seminar Hall

Objective of the programme

The objective of discussing the challenges of enforcement of protection of copyright laws in the digital era is to identify and understand the various obstacles that arise when trying to protect intellectual property in a digital environment. Some of the challenges include the ease of digital piracy, difficulties in identifying infringing parties, jurisdictional issues, and the lack of international cooperation.

By discussing these challenges, it becomes easier to develop strategies and solutions to effectively enforce copyright laws and protect intellectual property in the digital era. This includes efforts such as strengthening copyright laws, improving digital security measures, developing new technologies to identify and track infringing content, and promoting international cooperation to combat digital piracy. Ultimately, the objective is to ensure that creators and copyright holders are able to protect their works and receive fair compensation for their efforts in the digital age.

Topics Covered

- Overview of copyright laws
- Digital piracy
- Jurisdictional issues
- Technological challenges
- Legal challenges
- Enforcement mechanisms
- Future of digital copyright laws



R Sowjanya addressing the session

Outcomes of Programme:

The students and faculty learned about Challenges of enforcement of protection of Copyright laws in the Digital Era.

They gain the knowledge on:

- Improved legal frameworks: The examination may lead to the development of improved legal frameworks for copyright enforcement in the digital age, such as updated legislation and international agreements that better address the challenges of digital piracy.
- Technological solutions: The examination may lead to the development of new technological solutions for copyright enforcement, such as digital watermarking, block chain, and artificial intelligence-based tools for identifying and tracking infringing content.
- Collaboration and partnerships: The examination may lead to increased collaboration and partnerships between content creators, rights holders, technology companies, and governments to develop more effective strategies for copyright enforcement.
- Public education and awareness: The examination may lead to increased public education and awareness campaigns to help consumers understand the importance of respecting copyright laws and the impact of piracy on the creative industry.

On 22-01-2021 from our college students and faculties have participated in the A One day seminar on Challenges of enforcement of protection of Copyright laws in the Digital Era.


Programme Coordinator



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LIST OF PARTICIPANTS

Name of the Programme: "A One day seminar on Challenges in protection of Copyrights in the Digital Era"

Date: 22-01-2021

S. No	REGD. NO	Name Of The Student	Department	Signature
1	17NH1A0501	ABDUL JUBEDA	IV C.S.E	A. JUBEDA
2	17NH1A0502	ABDUL SHAMEELA BEGUM	IV C.S.E	A. Shameela
3	17NH1A0503	AGNIHOTHRAM TIRUNRUSIMHA RANGA GOPAL	IV C.S.E	A. Tirunrusimha Ranga Gopal
4	17NH1A0504	ALLU BHAVANA SRI LAKSHMI	IV C.S.E	A.B Sri Lakshmi
5	17NH1A0506	ANUMAKONDA TEJASWI	IV C.S.E	A. Tejaswi
6	17NH1A0507	ANUMANTHAPALLI PADMA SRI SAI SRAVANTHI	IV C.S.E	A. Padma
7	17NH1A0508	ATLURI MAHESWARI	IV C.S.E	A. maheswari
8	17NH1A0509	BANDARU HEMADURGA	IV C.S.E	B. Hema Durga.
9	17NH1A0510	BHIMAVARAPU CHARISHMA	IV C.S.E	BH. charishma
10	17NH1A0511	BOBBA KAVYA	IV C.S.E	B. kavya.
11	17NH1A0512	BODDU BHAVITHA	IV C.S.E	B. Bhavitha
12	17NH1A0513	BOGGARAPU VNS SIVA KUMARI	IV C.S.E	B. V.N.'s. Siva Kumari
13	17NH1A0514	CHALADI RESHMASRI	IV C.S.E	C. Reshmasri
14	17NH1A0515	CHALAMALASETTY KEERTHI	IV C.S.E	CH. Keerthi
15	17NH1A0516	CHEDELLA RAJARAJESWARI	IV C.S.E	CH RAJARAJESWARI
16	17NH1A0517	CHEELA UMA	IV C.S.E	ch. Uma
17	17NH1A0518	DANDAMUDI SARVANI	IV C.S.E	D. Sarvani

18	17NH1A0519	DESI HARISH	IV C.S.E	D. Harish
19	17NH1A0520	DOKKAMALA RAJA SANDEEP KUMAR	IV C.S.E	D. Raja Sandeep Kumar
20	17NH1A0521	DOKKU KUMARA SWAMY	IV C.S.E	D. Kumara Swamy
21	17NH1A0522	DORADLA NAGA CHAITHANYA	IV C.S.E	D. N. chaithanya
22	17NH1A0523	GADIREDDY LAHARI	IV C.S.E	G. Lahari
23	17NH1A0524	GUDAPATI ANIRUDH	IV C.S.E	G. Anirudh
24	17NH1A0525	GUDAPATI RAJESWARI	IV C.S.E	G. Rajeswari
25	17NH1A0526	IVASTURI PUJA ARPITHA	IV C.S.E	I. Appitha
26	17NH1A0527	KAKARALA PAVANI	IV C.S.E	K. Pavani
27	17NH1A0528	KAKARLA RAMA KRISHNA	IV C.S.E	K. Rama Krishna
28	17NH1A0529	KANNAMREDDY LAKSHMI PRASANNA	IV C.S.E	K. lakshmi prasanna
29	17NH1A0530	KANUMURI HEMA SAI	IV C.S.E	K. HEMA SAI
30	17NH1A0531	KATTA TEJASWI	IV C.S.E	K. Tejaswi
31	17NH1A0532	KAVITI DURGA ARCHANA	IV C.S.E	K. Rajitha
32	17NH1A0533	KOLLURI RAJITHA	IV C.S.E	K. Rajitha
33	17NH1A0534	KUNAPAREDDY BALA BHARGAVI	IV C.S.E	K. Bala Bhargavi
34	17NH1A0535	KUNAPAREDDY JASWANTH SAI LIKHITH	IV C.S.E	K. Jaswath Sai Likhith
35	17NH1A0536	KUNAPAREDDY VENKATA RAMYA SRI	IV C.S.E	K. V. Ramya Sri
36	17NH1A0537	MADDALA LOHITHA	IV C.S.E	M. Lohitha.
37	17NH1A0538	ATMAKURI NAGA MOUNIKA	IV C.S.E	A. Naga mounika
38	17NH1A0539	GHANTASALA GNANA NISHITHA	IV C.S.E	G. Gnana Nishitha
39	17NH1A0540	MANTENA MANASA	IV C.S.E	M. Manasa
40	17NH1A0541	MATLAPUDI KRISHNA MANJEERA	IV C.S.E	
41	17NH1A0542	MEDARAMETLA VENKATA AJAY	IV C.S.E	M. Venkata Ajay
42	17NH1A0543	MONDRU SURENDRA	IV C.S.E	M. Surendra
43	17NH1A0544	NALLAJERU NAVYA	IV C.S.E	N. Navya.
44	17NH1A0545	NITTA DEVI PRIYANKA	IV C.S.E	
45	17NH1A0546	PARISI DORATHI NAGA SRI DIVYA	IV C.S.E	P. D. Naga Sri Divya



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LIST OF PARTICIPANTS

Name of the Programme: "A One day seminar on Challenges in protection of Copyrights in the Digital Era."

Date: 22-01-2021

S. No	Name of the Faculty	Department	Signature
1	Mr. K. Jeevan Kumar	CSE	K. Jeevan Kumar
2	Mr. Ramesh	CSE	Ramesh
3	Mr. G Raja Sekhar Reddy	CSE	G Raja Sekhar Reddy
4	Ms. Naga Jyothi	CSE	T.N. Jyothi
5	Mr. P Sunil Kumar	CSE	P. Sunil Kumar

ABOUT THE INSTITUTION

V.K.R, V.N.B. & A.G.K. College of Engineering, Gudivada established in the year 2008 is one of the best known self-financing co-education institutions aiming to achieve excellence in Engineering Education. It is governed by General & Technical Education Society (GATES) to uplift aspiring students with a good academic background. It offers five UG programs (B.Tech in ECE, CSE, EEE, Mechanical, and Civil) and four PG programmes (M.Tech in VLSI, CSE, Thermal Engineering and MBA). It has a strong Industry-Institute Partnership Cell, Entrepreneurship Development Cell and R&D Cell to enhance the practical knowledge of the student.

ABOUT THE R&D CELL

The R&D Cell promotes and enables the students to carry out research activities in the respective domains and interdisciplinary areas with a set of guidelines. To promote and accelerate quality research within the institute and in collaboration with industry, other institutes and R&D organizations. To promote Innovation and consultancy activities through development of Research Centres and Centres of Excellence. To integrate Teaching and Research. To ensure integrity, quality and ethics in research. To promote generation of intellectual capital.

ABOUT PROGRAMME

Objectives:

The objective of discussing the challenges of enforcement of protection of copyright laws in the digital era is to identify and understand the various obstacles that arise when trying to protect intellectual property in a digital environment. Some of the challenges include the ease of digital piracy, difficulties in identifying infringing parties, jurisdictional issues, and the lack of international cooperation.

TOPICS COVERED

- Overview of copyright laws
- Digital piracy
- Jurisdictional issues
- Technological challenges
- Legal challenges
- Enforcement mechanisms

LEARNING OUTCOMES:

- Technological solutions
- Collaboration and partnerships
- Public education and awareness
- Improved legal frameworks

A One day Seminar

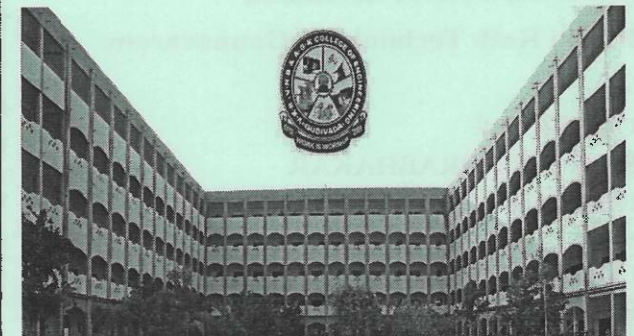
On

**Challenges in protection of
Copyrights in the Digital Era**

JANUARY 22nd, 2021

Organized by

**RESEARCH AND
DEVELOPMENT CELL**



**V.K.R, V.N.B. & A.G.K. COLLEGE OF
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Director

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Dr. S.H.V. PRASADA RAO
Principal

RESOURCE PERSON
Ms. R SOWJANYA, Admin,
Hrishi Kesh Technology, Gannavaram.

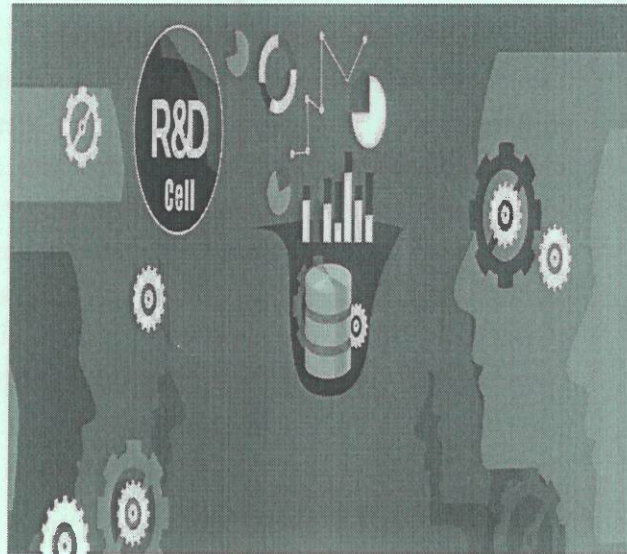
CONVENER
Sri G V N B PRABHAKAR
HOD, Dept. of ME

COORDINATOR
Sri G.VENKATA RATNAM
HOD, Dept of CSE

ORGANIZING COMMITTEE
Mr. P Sunil Kumar Assistant Professor
Mr. K Jeevan Kumar Assistant Professor
Ms. T Naga Jyothi Assistant Professor

STUDENT COORDINATORS

1. M LOHITHA
2. D HARISH



REGISTRATION DETAILS



REGISTRATION FORM

**A One day seminar
On**

**“Challenges in protection of
Copyrights in the Digital Era”**

Name: Mr./Ms.: _____

Roll Number: _____

Department: _____

Organization: _____

Address: _____

Pin: _____

Phone: _____

Fax: _____

E-mail: _____

Signature of participant

Signature of Head of the Institution
(With the official seal)

RESEARCH & DEVELOPMENT CELL

V.K.R, V.N.B. & A.G.K. College of Engineering Eluru
Road, Gudivada - 521301, A.P
Phone number: 08674 242188
E-mail: vkrvnbengineering@gmail.com
Website: www.vkrvnbcoe.org



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Date: 19-12-2020

CIRCULAR

All the students of third year Electrical and Electronics Engineering are informed to attend "A One day seminar on Impact of Strategic Management on Organizational Growth" by Mrs. U.HARINI H.R Executive, Medico Healthcare Services & Technologies, Telangana is being organized by our EDC cell on 23-12-2020.

Venue: EEE Seminar hall

Timing: 10:30AM

Handwritten signature in green ink
19/12/2020

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VKR VNR & AGK COLLEGE OF ENGINEERING
Eluru Road, GUDIVADA, Kri Dt. A.P. 521 301

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Date:26-12-2020

PROGRAMME REPORT

Programme Name	A One day seminar on Impact of Strategic Management on Organizational Growth
Resource person	Mrs. U.HARINI HR Executive, Medico Healthcare Services & Technologies, Telangana
Date of Activity	23-12-2020
Organized By	V.K.R., V.N.B & A.G.K COLLEGE OF ENGINEERING
Venue	EEE Seminar hall

Objective of the programme

Strategic management plays a crucial role in the growth and success of an organization. It involves the formulation, implementation, and evaluation of long-term goals and objectives, along with the allocation of resources to achieve them. Here are some key ways in which strategic management impacts organizational growth.

Topics Covered

- ✓ Vision and Direction
- ✓ Competitive Advantage
- ✓ Resource Allocation
- ✓ Innovation and Adaptation.
- ✓ Performance Measurement
- ✓ Organizational Alignment
- ✓ Risk Management



Mrs. U.HARINI, addressing on strategic management impacts organizational growth

Outcomes of Programme:

The students and faculty learned about Impact of Strategic Management on Organizational Growth.

They gain the knowledge on:

- **Increased clarity of direction:** When an organization develops and implements a strategic management plan, it can help provide a clear direction for the organization, including its goals, objectives, and priorities.
- **Improved decision-making:** Strategic management can help leaders make more informed decisions about how to allocate resources, prioritize initiatives, and respond to challenges and opportunities.
- **Enhanced innovation:** Strategic management can help organizations identify new opportunities for growth and innovation, as well as develop the capabilities needed to pursue them

- Better alignment of resources: Strategic management can help ensure that an organization's resources (including people, technology, and capital) are aligned with its goals and objectives
- Improved performance: Ultimately, the impact of strategic management on organizational growth is often seen in improved performance, whether that's measured in terms of revenue, profitability, market share, or other key metrics



Mrs.U.HARINI, discussed about organization develops and implements a strategic management plan, including its goals, objectives, and priorities.

On 23-12-2020 from our college students and faculties have participated in the Impact of Strategic Management on Organizational Growth


Programme Coordinator



V.K.R., V.N.B. & A.G.K. COLLEGE OF ENGINEERING

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LIST OF PARTICIPANTS

Name of the Programme: A One day seminar on Impact of Strategic management on organizational growth

Date: 23-12-2020

S. No	Name of the Participant	Roll No.	Course and Year	Signature
1	KATTA HARSHA VARDHINI	18NH1A0202	III E.E.E	K. Harsha Vardhini
2	YENDURI RAMYA SRI	18NH1A0204	III E.E.E	Yenduri Ramya Sri
3	MOGASALA VASANTHI	18NH1A0205	III E.E.E	Mogasala Vasanthi
4	PADAMATA PAVAN KUMAR	18NH1A0206	III E.E.E	P. Pavan kumar
5	VAKA JOHN DANIEL	18NH1A0207	III E.E.E	V.J. Daniel
6	AGANIPARTHI PURNACHANDRA RAO	19NH5A0201	III E.E.E	M.D. Sameer
7	AMBATI BHAVANI	19NH5A0202	III E.E.E	A. Bhavani
8	BOMMASANI LAKSHMI PRASAD	19NH5A0203	III E.E.E	B. Lakshmi Prasad
9	CHALAMALASETTI ANUDEEP	19NH5A0204	III E.E.E	C. Anurdeep
10	CHALLAGULLA RAGHU VAMSI	19NH5A0205	III E.E.E	C. Raghavamsi
11	CHIDARABOYINA NAGA SAI BABU	19NH5A0206	III E.E.E	C.N. Sai babu.
12	DIMMITI HEMANTH	19NH5A0207	III E.E.E	Dimmiti Hemanth
13	DIRISANA SURESH	19NH5A0208	III E.E.E	D. Suresh
14	GUBBALA SAI CHAKRI	19NH5A0209	III E.E.E	G. Sai chakri
15	JUVVANAPUDI JASHUVA	19NH5A0210	III E.E.E	J. Jashuva
16	KANTHETI MAHESWARI	19NH5A0211	III E.E.E	K. Maheswari
17	KATIKALA PALLAVI	19NH5A0212	III E.E.E	K. Pallavi
18	MARRAPU PENTAMMA	19NH5A0213	III E.E.E	MARRAPU Pentamma
19	MASIMUKKU SUDHAKAR	19NH5A0214	III E.E.E	M.S. Sudhakar
20	MERUGUMALA LOKESHBABU	19NH5A0215	III E.E.E	Merugumala Lokesh Babu
21	MOGADA HIMA VAMSI	19NH5A0216	III E.E.E	M. Hima Vamsi
22	RIMMANAPUDI ROHIT BABU	19NH5A0217	III E.E.E	R. Rohit babu
23	TADISETTI KISHORE	19NH5A0219	III E.E.E	T. Kishore
24	THOTA KAVYA SAI	19NH5A0220	III E.E.E	T. Kavya Sai

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25	DARAM RAKESH	18NH1A0101	IV CIVIL	D. Rakesh
26	KONDAVEETI SHAMINI	18NH1A0102	IV CIVIL	K. V. Shamini
27	MADDALA MANOHAR	18NH1A0104	IV CIVIL	M. Manohar
28	PULI SYAM KUMAR	18NH1A0105	IV CIVIL	P. S. Kumar
29	MORUHARI VENKATA GANESH	18NH1A0106	IV CIVIL	M. Ganesh
30	PAIDI ANIL KUMAR	18NH1A0107	IV CIVIL	PAIDI A. KUMAR
31	ABDUL MUBEEN	19NH5A0101	IV CIVIL	Abdul Mubeen
32	ADDANKI VENKATAKIRANKUMAR	19NH5A0102	IV CIVIL	A. V. Kiran Kumar
33	BOMMASANI SYAM	19NH5A0103	IV CIVIL	B. Syam
34	GORLA SAI KUMAR	19NH5A0104	IV CIVIL	G. Sai Kumar
35	GOTRU CHITTIBABU	19NH5A0105	IV CIVIL	G. Chittibabu
36	JAVVADI SATEESH KUMAR	19NH5A0106	IV CIVIL	J. Sateesh Kumar
37	JAYAMANGALA JOSHI BABU	19NH5A0107	IV CIVIL	J. Joshi Babu
38	KAKOLLU SWARAJ	19NH5A0108	IV CIVIL	K. Swaraj
39	KAMBHAM RAHUL	19NH5A0109	IV CIVIL	K. Rahul
40	KARE CHAITANYA	19NH5A0110	IV CIVIL	K. Chaitanya
41	KATTA NAVEEN	19NH5A0111	IV CIVIL	K. Naveen
42	KOLLURI NAVEEN KUMAR	19NH5A0112	IV CIVIL	K. Naveen Kumar
43	KOTHURI VIJAYABABU	19NH5A0114	IV CIVIL	K. Vijayababu
44	NETHALA SUSHMA	19NH5A0116	IV CIVIL	N. Sushma
45	PAKKIRI VIDYA SAGAR	19NH5A0117	IV CIVIL	P. Vidya Sagar
46	PAMARTHI NARENDRA	19NH5A0118	IV CIVIL	P. Narendra
47	PAMU GOPI BABU	19NH5A0119	IV CIVIL	P. Gopibabu
48	PATARLAPALLI SUDHAKAR	19NH5A0120	IV CIVIL	P. Sudhakar



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LIST OF PARTICIPANTS

Name of the Programme: A One day seminar on Impact of Strategic Management on Organizational Growth

Date: 23-12-2020

S. No	Name of the faculty member	Department	Signature
1	Mr. G Murali Krishna	EEE	G Murali Krishna
2	Mr. B Chandra Krishna	EEE	Chandra Krishna
3	Ms. V Mary Rani	EEE	V. Mary Rani
4	Ms. Ch. Bala Sirisha	EEE	Ch. Bala Sirisha
5	Ms. M Supriya	EEE	M. Supriya
6	Mr. K Ravi Shankar	EEE	K Ravi Shankar

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Eluru Road, GUDIVADA Kri. Dt.A.P.521 301

ABOUT THE INSTITUTION

V.K.R, V.N.B. & A.G.K. College of Engineering, Gudivada established in the year 2008 is one of the best known self-financing co-educational institutions aiming to achieve excellence in Engineering Education. It is governed by General & Technical Educational Society (GATES) to uplift aspiring students with a good academic background. It offers five UG programs (B.Tech in Civil, EEE, Mechanical, ECE and CSE) and four PG programmes (M.Tech in VLSI, CSE, Thermal Engineering and MBA). It has a strong Industry-Institute Partnership Cell, Entrepreneurship Development Cell and R&D Cell to enhance the practical knowledge of the student.

ABOUT THE EDC CELL

India, poised on the threshold on becoming a superpower, is in a need of strong citizens with the ability to hold the helm and steer the nation towards a brighter tomorrow. Those with this ability and the will to lead are the entrepreneurs of tomorrow. Entrepreneurship Cell, VKRVNB hopes to play its part in realizing this vision. We at Entrepreneurship Development Cell VKRVNB believe that original and innovative ideas having the potential to change industry by creating value are formed in young mind. Moulding these ideas into successful ventures and tapping the entrepreneurial talent or such young minds stands as the prime motive for us. We try to provide adequate resources, extensive network and all kinds of support along with the appropriate platform for aspiring young entrepreneurs to hone their ideas.

ABOUT THE PROGRAMME

The training programme would help to provide:

Strategic management plays a crucial role in the growth and success of an organization. It involves the formulation, implementation, and evaluation of long-term goals and objectives, along with the allocation of resources to achieve them. Here are some key ways in which strategic management impacts organizational growth.

TOPICS COVERED

Contents of the course would touch upon following aspects, to achieve the objectives:

- Vision and Direction
- Competitive Advantage
- Resource Allocation
- Innovation and Adaptation.
- Performance Measurement
- Organizational Alignment
- Risk Management

A One day Seminar on “Impact of Strategic Management on Organizational Growth”

DECEMBER 23rd, 2020

Organized by

**ENTREPRENEURSHIP
DEVELOPEMENT CELL**



**V.K.R, V.N.B. & A.G.K. COLLEGE OF
ENGINEERING**

(Approved by AICTE and Affiliated to JNTUK, Kakinada)

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CHIEF PATRONS

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Chairman

Sri. VEMULAPALLI VENKATESWARA RAO
Secretary

Sri. V.V.KODANDA RAMAIAH
Correspondent

Sri. B. KALYAN KUMAR
Director

PATRON
Dr. S. H. V. PRASADARAO
Principal

CONVENER

Sri. G. MURALI KRISHNA
HOD, Dept of Electrical and Electronics Engineering

RESOURCE PERSON

Mrs. U.HARINI
HR Executive,
Medico Healthcare Services & Technologies,
Telangana

COORDINATOR

Sri K.HARI KISHAN
HOD, Dept of MBA

ORGANIZING COMMITTEE

Mr.B Chandra Krishna Assistant Professor
Ms. M Supriya Assistant Professor
Mr.K Ravi Shankar Assistant Professor

STUDENT COORDINATORS

1. **Mr. Ch.Raghu Vamsi**
2. **Ms. K.Pallavi**

ENTREPRENEURSHIP DEVELOPMENT CELL

ENTREPRENEUR



REGISTRATION DETAILS

*No
Registration Fee*

ADDRESS FOR COMMUNICATION

Sri K.HARI KISHAN
HOD, Dept of MBA
+91 9441865086
Email: edc@vkrvnbcoe.org

REGISTRATION FORM

A One day seminar On "Impact of Strategic Management on Organizational Growth"

Name: Mr./Ms.: _____

Regd. No: _____

Department: _____

Organization: _____

Address: _____

Pin: _____

Phone: _____

Fax: _____

E-mail: _____

Signature of Participant

ENTREPRENEURSHIP DEVELOPMENT CELL
V.K.R, V.N.B. & A.G.K. College of Engineering Eluru Road,
Gudivada - 521301, A.P
Phone number: 08674 242188
E-mail: vkrvnbengineering@gmail.com



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Mobile: +91 92465 42188/91546 05555 E mail: principalnh2008@gmail.com URL: <http://www.vkrvnbcce.org>

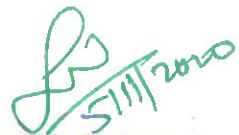
Date: 05-11-2020

CIRCULAR

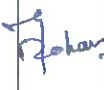



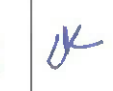






This is to inform that “Graphic Nano FET’s” A new Horizon – One day Research topic by Mr. Nagadasu Praveen., M.Tech, Assistant Professor, ECE, Kakinada Institute of Technology & Science, Kakinada, AP. Being organized by our V.K.R., V.N.B & A.G.K College of Engineering on 09.11.2020. I request you all register immediately and attend the program.

Venue: ECE Seminar Hall, V.K.R, V.N.B & A.G.K College of Engineering

Timing: 10:00AM


PRINCIPAL P.A.L.
VKR VNB & AGK COLLEGE OF ENGINEERING
Eluru Road, GUDIVADA. Kri Dt. A.P. 521 301

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Mobile: +91 92465 42188/91546 05555 Email: principalnh2008@gmail.com URL: <http://www.vkrvnbcoe.org>

DATE: 10-11-2020

PROGRAMME REPORT

Programme Name	Graphic Nano FET's A new Horizon – One-day Research topic
Resource Person	Mr. Nagadasu Praveen., M.Tech Assistant Professor ECE Kakinada Institute of Technology & Science Kakinada, AP 8465033457
Date of Activity	09.11.2020
Organized by	V.K.R, V.N.B & A.G.K College of Engineering, Gudivada, Krishna District, AP
Venue	ECE Seminar Hall

The objective of the program

Graphene nanoribbons are ideal candidates to serve as highly conductive, flexible, and transparent interconnections, or the active channels for nanoelectronics. However, patterning narrow graphene nanoribbons to <100 nm wide usually requires inefficient micro/nano fabrication processes, which are hard to implement for large area or flexible electronic and sensory applications. Here, we develop a precise and scalable nanowire lithography technology that enables reliable batch manufacturing of ultra-long graphene nanoribbon arrays with programmable geometry and narrow width down to ~50 nm. The orderly graphene nanoribbons are patterned out of few-layer graphene sheets by using ultra-long silicon nanowires as masks, which are produced via in-plane solid-liquid-solid guided growth and then transferred reliably onto various stiff or flexible substrates. More importantly, the geometry of the graphene nanoribbons can be predesigned and engineered into elastic two-dimensional springs to achieve outstanding stretchability of >30%, while carrying stable and repeatable electronic transport.

We suggest that this convenient scalable nanowire lithography technology has great potential to establish a general and efficient strategy to batch-pattern or integrate various two-dimensional materials as active channels and interconnections for emerging flexible electronic applications.

Program Outcome

To carry out a NWL of GNRs into predesigned geometry of straight, bending, and even serpentine line-shapes, as depicted in Fig. 1a, the SiNW masks were firstly produced via an in-plane guided IPSLS growth.^{38,39,41,43,45} The guiding edges are first etched in the wafer or glass substrates coated with a 500-nm SiO₂ layer, by lithography and inductively coupled plasma (ICP) etching, as illustrated schematically in Fig. 1c, which is followed by the deposition of indium (In) stripes lying crossing to the guiding edge lines at the ends. After H₂ plasma treatment in a plasma-enhanced chemical vapor deposition (PECVD) system at 350 °C, the surface oxide of the In stripes were removed to allow the diffusion and agglomeration of In atoms into discrete droplets. Then, a thin precursor layer of hydrogenated amorphous Si (a-Si:H) was deposited at 150 °C by silane plasma to cover the whole sample surface (Fig. 1d). After that, In droplets were activated to move during an annealing in vacuum at 350 °C, by absorbing the a-Si:H layer to produce crystalline SiNWs behind. During this course, the extra a-Si:H coated on the vertical sidewall of step edges can help to attract the In droplet,^{44,50,51} and thus lead them into a precise guided growth to produce in-plane SiNWs with designable geometries. The scanning electron microscopy (SEM) images of the as-grown SiNWs, following the guiding step edge lines, are shown in Supporting Information Fig. S1. At the end, the remnant a-Si:H layer were selectively etched off by using H₂ plasma at around 120 °C. Then, the samples were unloaded from PECVD and spin-coated with a thin PMMA layer, followed by immersing the samples in diluted HF solution to dissolve the under lying oxide layer and release the PMMA layer that holding the SiNWs. The floating PMMA pieces were collected and transferred onto graphene sheets on SiO₂/wafer or PDMS substrates. The graphene layers were obtained via exfoliation from bulk graphite or CVD growth on copper thin films (see the Methods section for more experimental details). At last, GNRs were etched out of the graphene sheets by a SiNW-masked oxygen (O₂) plasma etching. The remnant SiNWs can be removed later by dissolving the intermedium PMMA layer in acetone solution.



Mr. Praveen Garu demonstrating the concept to students

Program Coordinator



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Gudivada, Krishna District, Andhra Pradesh – 521301

DATE: 10-11-2020

Student Attendance for the program

Of

“Graphic Nano FET’s A new Horizon – One-day Research topic”

S.No	Student name	Roll number	Department	Signature
1	A LAKSHMI SARIKA	17NH1A0404	ECE	A. Lakshmi Sarika
2	A S S SUBRAMANYESWARA RAO	17NH1A0405	ECE	A.S.S. Subramanyeswara Rao
3	A ANAND PAUL	17NH1A0406	ECE	A. Anand Paul
4	VEERANKI SRIJA	17NH1A0407	ECE	V. Srija
5	B VENKATA RAMKUMAR	17NH1A0410	ECE	B. Venkata Ram Kumar
6	BORRA MANJU	17NH1A0411	ECE	B. Manju
7	CH KALYANI	17NH1A0412	ECE	Ch. Kalyani
8	CHANDANA DIVYA	17NH1A0413	ECE	Ch. Divya
9	CHI SAIMOUNIKA	17NH1A0416	ECE	C. Saimounika
10	CHI NAVEEN BABU	17NH1A0417	ECE	Ch. Naveen Babu
11	D SURYA SAI PATRI	17NH1A0418	ECE	D. Surya Sai Patri
12	G JAYA LAKSHMI DURGA BHAVANI	17NH1A0421	ECE	G. Durga
13	YALAMARTHI NAGA HEMA KUMARI	17NH1A0422	ECE	Y.N.H. Kumari
14	G LOKANATH VENKATA SAI	17NH1A0423	ECE	G.L. Venkata Sai
15	IDRIES BAIG MGT	17NH1A0424	ECE	H.G.T. Baig
16	JALLURI PREMAJA	17NH1A0425	ECE	J. Premaja
17	J RAGHU VAMSI	17NH1A0426	ECE	J. Raghu Vamsi
18	J BHUVANA SATEESH	17NH1A0427	ECE	J. Sateesh



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19	J LAKSHMI BHAVANI	17NH1A0428	ECE	J.L. Bhavani
20	K LAKSHMI SUPRIYA	17NH1A0429	ECE	K. Lakshmi Supriya
21	KANULLA JAYA SREE	17NH1A0430	ECE	K. Jayasree
22	K NAGA RAMYA	17NH1A0431	ECE	K.N. Ramya
23	K MOHANA SAI KRISHNA	17NH1A0432	ECE	K. Mohana S.
24	K RAMYA	17NH1A0433	ECE	K. Ramya
25	K LAKSHMI PRASANNA	17NH1A0434	ECE	K.L. Prasanna


Program Coordinator


-10/11/2020
PRINCIPAL

ABOUT THE INSTITUTION

V.K.R, V.N.B. & A.G.K. College of Engineering, Gudivada established in the year 2008 is one of the best known self-financing co-education institutions aiming to achieve excellence in Engineering Education. It is governed by General & Technical Education Society (GATES) to uplift aspiring students with a good academic background. It offers five UG programs (B.Tech in ECE, CSE, EEE, Mechanical, and Civil) and four PG programmes (M.Tech in VLSI, CSE, Thermal Engineering and MBA). It has a strong Industry-Institute Partnership Cell, Entrepreneurship Development Cell and R&D Cell to enhance the practical knowledge of the student.

ABOUT THE R&D CELL

The R&D Cell promotes and enables the students to carry out research activities in the respective domains and interdisciplinary areas with a set of guidelines. To promote and accelerate quality research within the institute and in collaboration with industry, other institutes and R&D organizations. To promote Innovation and consultancy activities through development of Research Centers and Centers of Excellence. To integrate Teaching and Research. To ensure integrity, quality and ethics in research. To promote generation of intellectual capital.

ABOUT PROGRAMME

Objectives:

- ❖ Introducing students to the concept of Graphic Nano FET's and its importance in promoting innovation and creativity.
- ❖ The orderly grapheme Nano ribbons are patterned out of few-layer grapheme sheets by using ultra-long silicon nanowires as masks, which are produced via in-plane solid-liquid-solid guided growth and then transferred reliably onto various stiff or flexible substrates.

LEARNING OUTCOMES

- ❖ To carry out a NWL of GNRs into predesigned geometry of straight, bending, and even serpentine line-shapes.
- ❖ The Sinew masks were firstly produced via an in-plane guided IPSLS growth.
- ❖ The guiding edges are first etched in the wafer or glass substrates coated with a SiO₂ layer, by lithography and inductively coupled plasma (ICP) etching.

**“Graphic Nano FET’s” A new
Horizon
One day Research topic**

**09th November 2020
Organized by**

**RESEARCH AND
DEVELOPMENT CELL**



**V.K.R, V.N.B. & A.G.K. COLLEGE OF
ENGINEERING**

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CHIEF PATRONS

Sri PINNAMANENI DIVAKAR,
Chairman

Sri VEMULAPALLI VENKATESWARA RAO
Secretary

Sri V.V.KODANDA RAMAIAH
Correspondent

PATRON
Dr. S.H.V PRASADA RAO
Principal

RESOURCE PERSON
Mr. NAGADASU PRAVEEN
Assistant Professor, Dept. of ECE
Kakinada Institute of Technology & Science

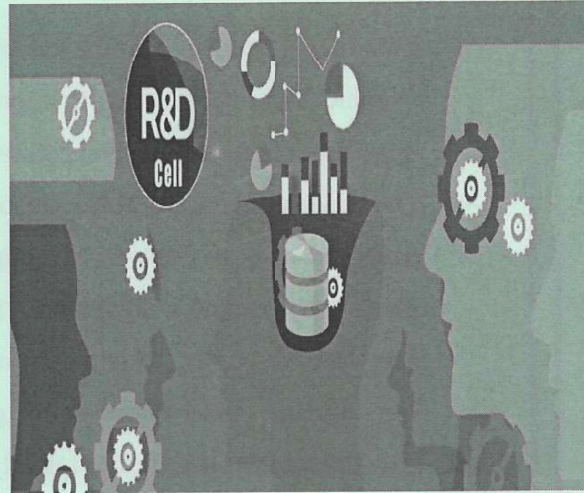
CONVENER
Smt. SREE LAKSHMI
HOD, Dept. of ECE

COORDINATOR
Sri. RAJENDRA
Associate Professor, Dept. of ECE

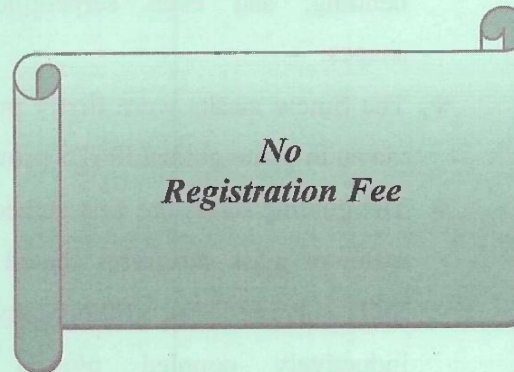
ORGANIZING COMMITTEE
Mr. RAJENDRA Assistant Professor
Mr. SREEDHAR BABU Assistant Professor
Ms. N. KIRANMAYEE Assistant Professor

STUDENT COORDINATORS

1. A.S. LAKSHMI
2. K. MANOJ KUMAR



REGISTRATION DETAILS



REGISTRATION FORM

**“Graphic Nano FET’s” A new
Horizon
One day Research topic**

Name: Mr./Ms.: _____

Roll Number: _____

Department: _____

Organization: _____

Address: _____

Pin: _____

Phone: _____

Fax: _____

E-mail: _____

Signature of participant

Signature of Head of the Institution
(With the official seal)

RESEARCH & DEVELOPMENT CELL
V.K.R, V.N.B. & A.G.K. College of Engineering Eluru
Road, Gudivada - 521301, A.P
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E-mail: rnd@vkrvnbcoe.org
Website: www.vkrvnbcoe.org



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Date: 29-10-2020

CIRCULAR

All the B.Tech students of Final year Electrical and Electronics Engineering are informed to attend “A One day seminar on Intellectual Property challenges in the fields of Electricals” by Mr. S Sai Krishna, Loral Technology, Hyderabad is being organized by our R&D cell on 05-11-2020.

Venue: EEE Class Room

Time: 10:00 AM

[Handwritten Signature]
29/10/2020

PRINCIPAL
VKR VNB & AGK COLLEGE OF ENGINEERING
Eluru Road, GUDIVADA, Kri Dt. A.P. 521 301

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CSE	ECE	CIVIL	MECH	FED	EEE	MBA				



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Mobils: +91 92465 42188/91546 05555 Email: principalh2008@gmail.com URL: <http://www.vkrabcoc.org>

Date: 09-11-2020

PROGRAMME REPORT

Programme Name	A One day seminar on Intellectual Property challenges in the fields of Electricals
Resource person	Mr. S Sai Krishna, Web Technologies Loral Technology, Hyderabad, +91 9177297368
Date of Activity	05-11-2020
Organized By	V.K.R., V.N.B & A.G.K COLLEGE OF ENGINEERING
Venue	EEE Class Room

Objective of the programme

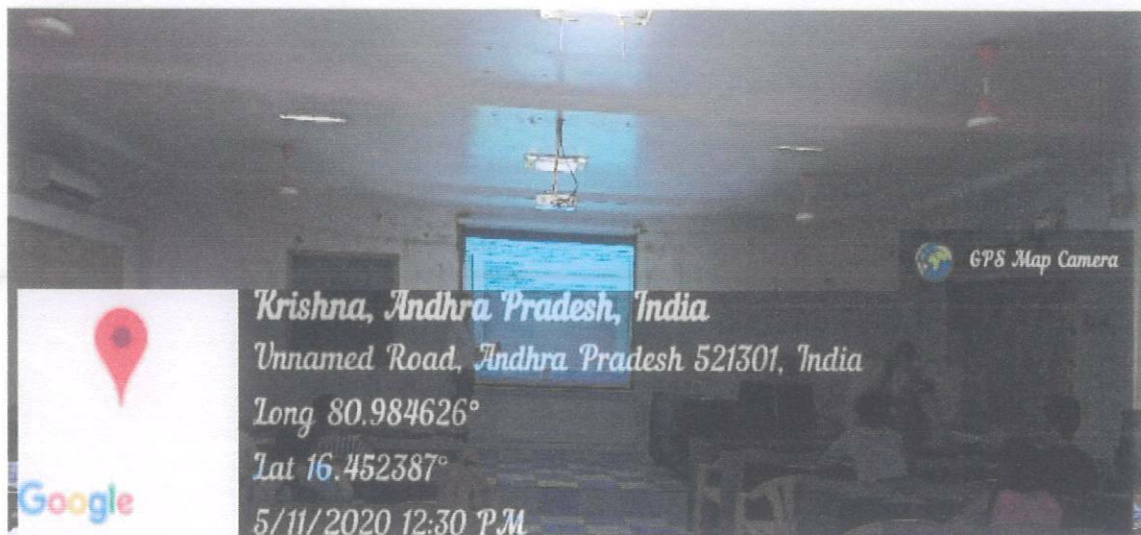
In the field of electrical, intellectual property (IP) refers to the legal rights that protect creations or inventions related to electrical devices, circuits, systems, and other technological innovations. These rights are crucial for encouraging innovation, ensuring fair competition, and providing incentives for companies and individuals to invest in research and development. However, there are several challenges and issues related to intellectual property in the electrical industry.

Topics Covered

The topics covered in intellectual property challenges in the fields of electrical include:

- Patent infringement: This topic explores the issues related to the unauthorized use, manufacture, or sale of patented inventions in the electrical industry.
- Patent trolls: This topic focuses on non-practicing entities (NPEs) that acquire patents primarily to initiate patent infringement lawsuits against companies in the electrical industry.
- Standard-essential patents (SEPs): SEPs are patents essential to complying with industry standards. This topic delves into the challenges associated with licensing SEPs on fair, reasonable, and non-discriminatory (FRAND) terms, resolving disputes between patent holders and technology implementers, and the implications for market competition.

- **Trade secret protection:** This topic covers the protection of confidential and proprietary information, such as manufacturing processes, circuit designs, or software algorithms in the electrical industry.
- **Counterfeiting and piracy:** This topic addresses the unauthorized production and distribution of counterfeit electrical products, as well as the illegal copying and distribution of copyrighted materials, software, or firmware.
- **Global enforcement and international cooperation:** This topic explores the challenges associated with enforcing intellectual property rights across different jurisdictions, including varying legal systems, enforcement mechanisms, and levels of IP protection worldwide.



S. Sai Krishna discussing about IP Challenges

Outcomes of Programme:

The students and faculty learned about Intellectual Property challenges in the fields of Electricals

They gain the knowledge on:

The outcomes of intellectual property challenges in the fields of electrical can have various effects on different stakeholders. Some of the common outcomes include:

- **Inhibition of innovation:** Intellectual property challenges, such as patent disputes or the threat of litigation, can inhibit innovation in the electrical industry. Companies may hesitate to invest in research and development if they fear their inventions will be infringed upon or if they are tied up in lengthy legal battles. This can slow down the pace

of technological advancements and limit the introduction of new and improved electrical products.

- **Decreased competitiveness:** Intellectual property disputes can negatively impact the competitiveness of companies in the electrical industry. Legal battles, especially those involving patent infringement or licensing disputes, can be costly, divert resources, and distract from core business activities.
- **Delayed product launches:** Intellectual property challenges, particularly related to patents and standard-essential patents, can cause delays in product launches. Companies may need to negotiate licensing agreements or resolve legal disputes before they can introduce new electrical products to the market. These delays can result in missed market opportunities and potential loss of market share.
- **Uncertainty and risk for investors:** Intellectual property challenges create uncertainty and risk for investors in the electrical industry. Investors may be hesitant to support companies that are involved in legal disputes or face significant patent infringement risks. This can lead to reduced investment in research and development, limited access to capital, and potential setbacks for companies seeking to commercialize new technologies.
- **Impact on consumer choices and affordability:** Intellectual property challenges can affect consumer choices and affordability of electrical products. Patent disputes or licensing disputes can limit the availability of certain technologies or components, leading to restricted competition and potentially higher prices for consumers. Additionally, counterfeit electrical products resulting from IP infringement can compromise consumer safety and trust in legitimate brands.
- **Collaboration and licensing agreements:** In some cases, intellectual property challenges can lead to collaboration and licensing agreements between companies. When faced with potential infringement claims, companies may choose to enter into licensing agreements to access patented technologies and avoid litigation. These agreements can foster cooperation and technology sharing, leading to mutually beneficial outcomes for the involved parties.

On 05-11-2020 from our college students and faculties have participated in the A One day seminar on Intellectual Property challenges in the fields of Agriculture and Pharmaceuticals


Programme Coordinator



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LIST OF PARTICIPANTS

Name of the Programme: “A One day seminar on Intellectual Property challenges in the fields of Electricals”

Date: 05-11-2020

S. No	REGD NO.	Name of the Student	Course & Year	Signature
1	15NH1A0201	GANGULA PRAMOD	IV EEE	G. Pramod.
2	15NH1A0202	GOPALAJOSYULA AKHIL	IV EEE	G. Akhil
3	15NH1A0204	VAKKALAGADDA SAI CHAITANYA	IV EEE	V.S. Chaitanya
4	15NH1A0205	NARESH BHOGTA	IV EEE	N. Bhogta
5	15NH1A0206	MD AKHILAKH	IV EEE	MD. Akhilakh
6	15NH1A0207	PARESH RAJWAR	IV EEE	Paresh Rajwar
7	16NH5A0201	AJMEERA BALAJI	IV EEE	A. Balaji
8	16NH5A0202	AKULA SAI PAVAN KUMAR	IV EEE	A. Sai Pavan Kumar
9	16NH5A0203	AMRUTHALA MANOJ KUMAR	IV EEE	A. Manoj Kumar
10	16NH5A0204	APPIKATLA VEERA MANIKANTA	IV EEE	Absent
11	16NH5A0205	BODDU PRASANTH	IV EEE	B. Prasanth
12	16NH5A0206	CHERUKUMALLI SAI PRAKASH	IV EEE	Ch. Sai Prakash
13	16NH5A0207	CHIDARABOYINA TEJA	IV EEE	C. Teja
14	16NH5A0208	GUDAPATI RAHUL	IV EEE	G. R
15	16NH5A0210	GUNTUPALLI JAGADEESH	IV EEE	G. Jagadeesh
16	16NH5A0211	KANDULA SIVA NAGA PRASAD	IV EEE	K. Siva Naga Prasad
17	16NH5A0212	KASTURI RAMTEJA	IV EEE	Ramteja. k.
18	16NH5A0213	KONDAVARADA VEERA MANI PRASAD	IV EEE	K.V.M. Prasad

19	16NH5A0214	KOPPULA SURESH KUMAR	IV EEE	K. Suresh Kumar
20	16NH5A0215	PAMU ANESH	IV EEE	P. Anesh
21	16NH5A0216	PANCHAKARLA DEEPTHI	IV EEE	P. Deepthi
22	16NH5A0217	PASUPULETI BHASKAR SRINIVAS	IV EEE	Ahs
23	16NH5A0220	SUNKARA PRUDHVI SAI	IV EEE	S. Prudhvi Sai
24	16NH5A0222	YERRAMSETTI NAGA NARENDRA	IV EEE	Y.N. Narendra
25	15NH1A0129	KHALID ANSARI	IV CIVIL	K. Ansari
26	15NH1A0130	DEEPAK KUMAR	IV CIVIL	D. Kumar
27	15NH1A0131	RATNESH KUMAR	IV CIVIL	R. Kumar
28	15NH1A0132	SATEESH KUMAR	IV CIVIL	S. Kumar
29	16NH5A0101	A.VAMSI KRISHNA	IV CIVIL	Ahs
30	16NH5A0102	A.BEGUM	IV CIVIL	A. Begum
31	16NH5A0103	B.NAVEEN	IV CIVIL	B. Naveen
32	16NH5A0104	B.TEJA	IV CIVIL	B. Teja
33	16NH5A0105	C.MOHANA KRISHNA	IV CIVIL	Ch. Mohana Krishna
34	16NH5A0106	D.SRIPRIYA	IV CIVIL	D. Supriya
35	16NH5A0107	G.PRATHAP	IV CIVIL	G. Prathap
36	16NH5A0108	G.PRABHUDEV	IV CIVIL	G. Prabhudev
37	16NH5A0109	K.GOVARDHAN	IV CIVIL	K. Kiranmai
38	16NH5A0110	K.KIRANMAI	IV CIVIL	K. Kiranmai
39	16NH5A0111	K.TEJA	IV CIVIL	K. Teja
40	16NH5A0112	L.SIRISHA	IV CIVIL	L. Sirisha
41	16NH5A0113	M.BASAVARAJ PATEL	IV CIVIL	Ahs
42	16NH5A0114	M.SIVA KUMAR	IV CIVIL	M. Naga Gayathri
43	16NH5A0116	N.NAGA GAYATHRI	IV CIVIL	N. Naga Gayathri
44	16NH5A0117	P.SAI SAMPATH	IV CIVIL	P. Sai Sampath
45	16NH5A0118	P.SANDEEP KUMAR	IV CIVIL	P. Sandeep



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LIST OF PARTICIPANTS

Name of the Programme: “A One day seminar on Intellectual Property challenges in the fields of Electricals.”

Date: 05-11-2020

S. No	Name of the Faculty Member	Department	Signature
1	Mr. Chandra Krishna	EEE	
2	Ms. V Mary Rani	EEE	
3	Ms. Ch. BalaSirisha	EEE	
4	Ms. M Supriya	EEE	
5	Mr. Ravi Shankar	EEE	

ABOUT THE INSTITUTION

V.K.R, V.N.B. & A.G.K. College of Engineering, Gudivada established in the year 2008 is one of the best known self-financing co-education institutions aiming to achieve excellence in Engineering Education. It is governed by General & Technical Education Society (GATES) to uplift aspiring students with a good academic background. It offers five UG programs (B.Tech in ECE, CSE, EEE, Mechanical, and Civil) and four PG programmes (M.Tech in VLSI, CSE, Thermal Engineering and MBA). It has a strong Industry-Institute Partnership Cell, Entrepreneurship Development Cell and R&D Cell to enhance the practical knowledge of the student.

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The R&D Cell promotes and enables the students to carry out research activities in the respective domains and interdisciplinary areas with a set of guidelines. To promote and accelerate quality research within the institute and in collaboration with industry, other institutes and R&D organizations. To promote Innovation and consultancy activities through development of Research Centres and Centres of Excellence. To integrate Teaching and Research. To ensure integrity, quality and ethics in research. To promote generation of intellectual capital.

ABOUT PROGRAMME

Objectives:

In the field of electrical, intellectual property (IP) refers to the legal rights that protect creations or inventions related to electrical devices, circuits, systems, and other technological innovations. These rights are crucial for encouraging innovation, ensuring fair competition, and providing incentives for companies and individuals to invest in research and development. However, there are several challenges and issues related to intellectual property in the electrical industry.

LEARNING OUTCOMES:

- Inhibition of innovation
- Decreased competitiveness
- Delayed product launches
- Uncertainty and risk for investors
- Impact on consumer choices and affordability
- Collaboration and licensing agreements

A One day Seminar

On

**Intellectual Property challenges
in the fields of Electricals**

NOVEMBER 5th, 2020

Organized by

**RESEARCH AND
DEVELOPMENT CELL**



**V.K.R, V.N.B. & A.G.K. COLLEGE OF
ENGINEERING**

(Approved by AICTE and Affiliated to JNTUK, Kakinada)

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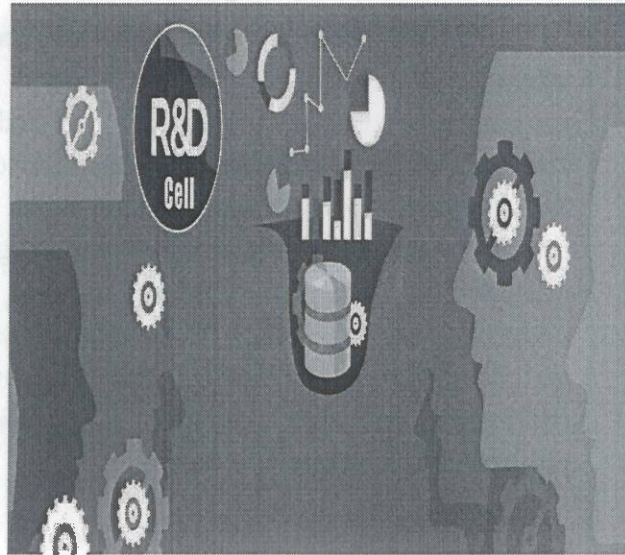
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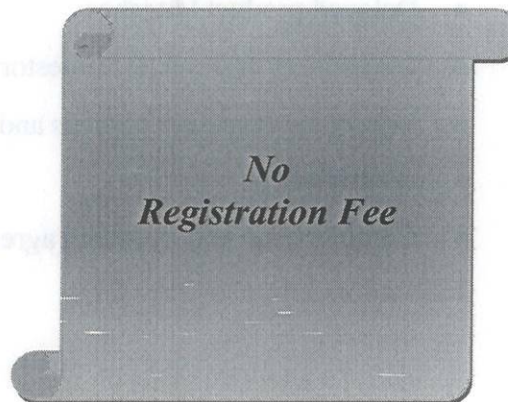
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STUDENT COORDINATORS

1. A BALAJI
2. G.PRATHAP



REGISTRATION DETAILS



REGISTRATION FORM

**A One day seminar
On**

**“Intellectual Property challenges in
the fields of Electricals”**

Name: Mr./Ms.: _____

Roll Number: _____

Department: _____

Organization: _____

Address: _____

Pin: _____

Phone: _____

Fax: _____

E-mail: _____

Signature of participant

Signature of Head of the Institution
(With the official seal)

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