

PRINCE DR. K. VASUDEVAN COLLEGE OF
ENGINEERING & TECHNOLOGY
BEST PRACTICE
(2017-2021)



**Research,
Innovations and
Entrepreneurship
Development
through PRIDE**



Best Practice I – Research, Innovations and Entrepreneurship Development through PRIDE

1. TITLE: RIE through PRIDE – Research, Innovations and Entrepreneurship development through PRIDE (Prince Research, Innovation Development and Entrepreneurship)

2. OBJECTIVES OF THE PRACTICE:

- To promote innovation in the institution through multitudinous modes leading to an innovation promotion eco-system in the campus.
- To encourage a mindset of continuous learning, creative thinking and increased innovation.
- To provide tools and techniques for promotion of innovation , creativity and implementation
- Motivate students to develop their own start-ups.

3. THE CONTEXT:

The institution established the Research & Development Cell during the year 2015. With its initiation the team was able to promote research culture among the faculty and students, promoted consultancy works, encouraged publication of research papers in reputed journals. Strategically thinking there was a need to boost the research eco-system along with development of innovations, patents and entrepreneurship among the students and faculty members. In such a context the management and IQAC team identified the potential of promoting ownership of concepts and ideas through patents, business promotions and entrepreneurship development. This led to the formulation of PRIDE (“Prince Research, Innovation Development and Entrepreneurship”) during 2015. With a visionary of establishing a sound environment in research, innovation and incubation for the students and faculty members. The College has created an Innovation & Entrepreneurship Development Cell (IEDC) and Institutional Innovation Council (IIC) for promoting innovation & entrepreneurship activities. PDKVCET has a vibrant Innovation and Research Development Cell (IRDC) to promote innovation and research culture among students and faculty members. Faculty members are authorized to take up research activities with existing facilities. The main intention of IIC is to create a vibrant local innovation ecosystem along with start-up

supporting mechanism. It leads to development of cognitive ability for technology among students. To enhance the research and innovation quotient in the Institute it was decided to engage in a number of activities, define policies and procedure for encouragement of creativity and innovation. This is in alignment with Institute mission to foster innovation and research by providing a stimulating learning environment and to be responsive to changes in technology, socio economic and environmental conditions.

4. THE PRACTICE: FROM INNOVATOR TO ENTREPRENEUR

RESEARCH AND DEVELOPMENT CELL:

Research and Development cell was established at PDKVCET to inculcate research and innovative skills among faculty and students. R&D Cell provides a platform for creativity and innovation to flourish young minds. Innovative breakthroughs will happen only because of meticulous efforts of R&D. The Institute provides SEED amount to facilitate basic common research infrastructure for individuals to execute collaborative work.

INSTITUTIONS INNOVATION COUNCIL (IIC):

Institution Innovation Council of PDKVCET is established under the directions of Ministry of Education to promote innovation and entrepreneurship in the Institution. IIC of PDKVCET was established during 2020 to systematically foster the culture of Innovation among the students and faculty across various departments inside the Institute. The focus of IIC is to encourage, inspire and nurture young students by supporting them to work with new ideas and transform them into prototypes. IIC aims to create a vibrant local innovation ecosystem. Prepare institute for Atal Ranking of institutions on innovation achievements framework. Establish a functional ecosystem for scouting ideas and preincubation of ideas.

IP AND ENTREPRENEURSHIP DEVELOPMENT CELL (IEDC)

The Intellectual Property and Entrepreneurship Development Cell (IEDC) of the institution plays a specific role in facilitating patent processing, incubation support, and entrepreneurship development. IEDC inspires the budding engineers to float their own business/venture through various seminars and workshops. Eminent industrialists and budding entrepreneurs are often invited to motivate the young students. The successful alumni of PDKVCET pursuing the entrepreneurial route also encourage our students through frequent interactions. The College also has a vibrant Incubation Cell under IEDC to provide incubation support to the budding

entrepreneurs. The Institution provides mentoring support, office space and testing facilities to the start-ups to take their creative ideas to the market.

INTELLECTUAL PROPERTY RIGHTS (IPR) ABOUT IPR CELL:

Intellectual Property Rights Cell is an integral part of the innovation process and the innovation value chain of this institution. The tangible assets like inventions, designs, software, brand name and other creative & innovative ideas are more valuable than physical assets. Several patents, copyrights and industrial design applications have been filed based on the innovations. The key objective is to integrate innovation with the education which consequently enhances the quality of thinking. The IPR cell creates conducive environment in the academics for the development of Intellectual Property. Faculty and students are actively participating in the IPR filing process in different disciplines of Engineering & Technology.

ENTREPRENEURSHIP AND DEVELOPMENT CELL :

The Entrepreneurship Development Cell (EDC) was started with the object of promoting specialized knowledge in the field of entrepreneurship development. In the recent years the promotion of entrepreneurship is considered as a possible source of job creation, empowerment and economic dynamism. Our institute strive to provide infrastructure and other required support to the students having innovative ideas to transform into new products and services for the betterment of the society. The EDC also assists all the aspirants with mentoring, planning and execution of their start up idea into a real business. Our aim is to develop young entrepreneurs by providing them necessary skills, trainings, proper guidance and motivation. This can be achieved through focus on developing skills and promoting the young entrepreneurs to associate with quality consciousness, global competition and economic growth.

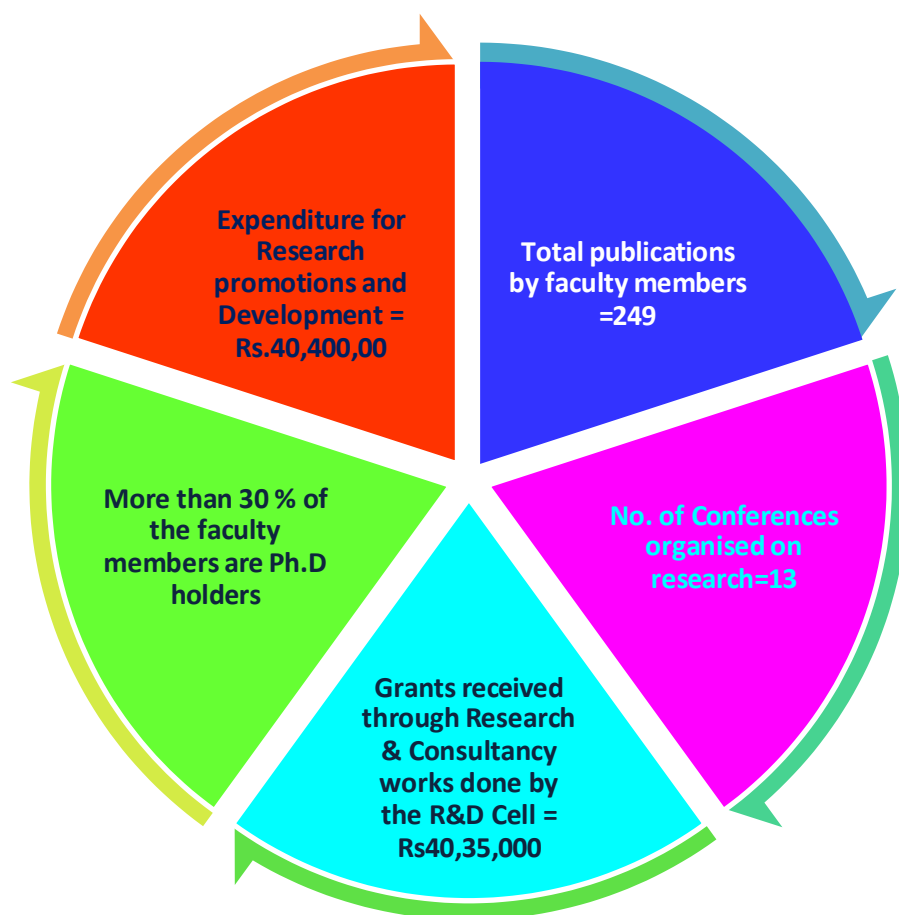
5.EVIDENCE OF SUCCESS:

- ❖ More than 100 events/ activities were organized by the four wings of IIC.
- ❖ IIC catered successfully to the needs of students as well as faculty entrepreneurs with innovative ideas of social relevance and thereby disseminating a culture of entrepreneurship on the campus.
- ❖ IIC has been able to provide required infrastructure that can enable students and faculty to innovate and prototype their ideas.
- ❖ Students/Faculty associated with IICs were given the exclusive opportunity to participate

in various Innovation related initiatives and competitions organized from institution level to international level.

- ❖ Organized Hackathons, idea competition etc with the involvement of industries.
- ❖ 10 members of IIC completed Innovation Ambassador Training.
- ❖ Based on the performance of IIC, our Institution secured 3 star rating in the Academic year 2020-21 and 4 star rating in the Academic year 2021-22
- ❖ Platinum rating in CII survey conducted by AICTE-2020 Summit
- ❖ Centre of Excellence for Drones Vehicles
- ❖ Ranked among the top 50 in ARIIA

STATISTICAL REPORT FOR PAST FIVE YEAR



GLIMPSES OF ACTIVITIES



ACHEIVEMENTS:

MS. NITHYASHREE - ECE DEPARTMENT HAS AWARDED SECOND PRIZE IN THE COMPETITION CONDUCTED BY IIT MADRAS



TNSCST FUNDED PROJECT RECEIVED BY DEPARTMENT OF EEE STUDENT

**TAMIL NADU STATE COUNCIL FOR SCIENCE AND
DOTECAMPUS, CHENNAI- 600025**

**STUDENT PROJECT SCHEME 2019-
UTILISATION CERTIFICATE**

1. Name of the guide and address : M. Himaja
Asst. Professor
Department of EEE
Prince Dr. K. Vasudevan College of Engineering
and Technology, Ponmar, Chennai-600127

2. Name of the student(s) : V. Velumutugan, G. Arun, S.V Mahendran

3. Title of the project : Electrification of House by Hybrid Solar And E-
Waste Battery

4. Project code : EEE-087

It is certified that a sum of **Rs 7,500** (Rupees seven thousand five hundred) Sanctioned by the council for carrying out above mentioned student project has been utilized for the purpose for which it was sanctioned and sum of **Rs Seven Thousand Five Hundred** remaining unutilized is refunded.

Signature of the guide : _____
Signature of the HOD : _____
Signature of the REGISTRAR/PRINCIPAL : _____
With SEAL
PRINCIPAL
PRINCE DR. K. VASUDEVAN COLLEGE OF
ENGINEERING AND TECHNOLOGY
POMMAR, CHENNAI

FUNDED PROJECT
OFFERED BY
TNSCST, CHENNAI.

SOLAR BATTERY VEHICLE WAS DESIGNED BY OUR MECHANICAL STUDENT



TCS GAMEON CONTEST WAS WON BY OUR CSE STUDENTS



CERTIFICATE OF PARTICIPATION-INTERNAL HACKATHON-2021

**PRINCE Dr.K.VASUDEVAN COLLEGE OF
ENGINEERING AND TECHNOLOGY**



**INTERNAL HACKATHON FOR
SMART INDIA HACKATHON 2021**

CERTIFICATE OF PARTICIPATION

PROUDLY PRESENTED TO

V.DINESH of Team PRINCE DEVELOPERS for their
active participation in *"Internal Hackathon for Smart India Hackathon 2021"*
organised by Prince Dr.K.Vasudevan College of Engineering and Technology



Dr.T.SUNDER SELWYN

PRINCIPAL

Prince Dr.K.Vasudevan College of
Engineering and Technology

PDKVCET ALUMINI –ENTREPRENEURS

S.SRIDHAR- 2019 PASSED OUT ,DEPARTMENT OF ECE

Current status of Rjs Software Solutions Private Limited is - Active:

Company Details		Financial Report	
CIN	U93090TN2020PTC135054	Balance Sheet	
Company Name	RJS SOFTWARE SOLUTIONS PRIVATE LIMITED	Paid-up Capital	
Company Status	Active	Reserves & Surplus	
RoC	RoC-Chennai	Long Term Borrowings	
Registration Number	135054	Short Term Borrowings	
Company Category	Company limited by Shares	Trade Payables	
Company Sub Category	Non-govt company	Current Investments	
Class of Company	Private	Inventories	
		Trade Receivables	
		Cash and Bank Balances	

RJS SOFTWARE SOLUTIONS
PVT LTD RUNNING BY
ALUMNIUS
MR. SRIDHAR.S

Director Details				
DIN	Director Name	Designation	Appointment Date	
08731939	JAMAL MOHAMED	Director	01 April 2020	View other directorships
08722692	SANTHANALAKSHMI	Director	01 April 2020	View other directorships
08723069	ELUMALAI PONNAMBALAJIYOTHE	Director	01 April 2020	View other directorships
08731940	PUSHPARAJ RAJU	Director	01 April 2020	View other directorships
09774989	SARAVANAN SRIDHAR	Director	17 November 2022	View other directorships

VARUN GANESHKAR-2020 PASSED OUT, DEPARTMENT OF MECHANICAL

**ABSALOM EXIMS PVT LTD
RUNNING BY ALUMNIUS
MR. VARUN GANESHKAR**

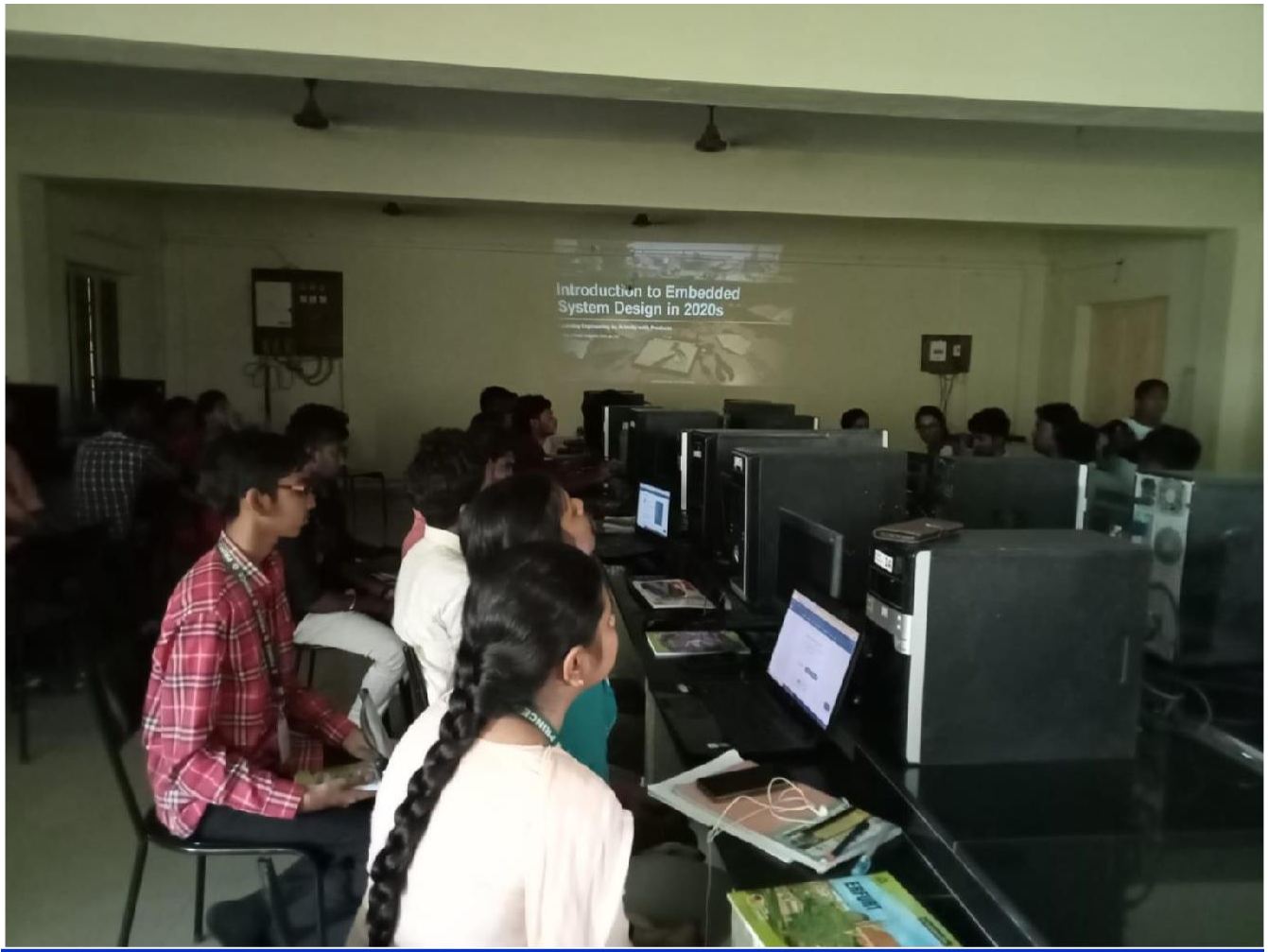
Company Details

CIN	U51420TN2021PTC146506
Company Name	ABSALOM EXIMS PRIVATE LIMITED
Company Status	Active
RoC	RoC-Chennai
Registration Number	146506
Company Category	Company limited by Shares
Company Sub Category	Non-govt company
Class of Company	Private
Date of Incorporation	25 September 2021
Age of Company	1 years, 6 month, 29 days

Director Details

DIN	Director Name	Designation	Appointment Date	
09333974	SURYANARAYANAN VARUN GANESHKAR	Director	25 September 2021	View other directorships
09333975	SURYANARAYANAN GANESAN	Director	25 September 2021	View other directorships

LEAP PROGRAMME



CII SURVEY – PLATINUM RANKING 2020

List of Institutions which Participated in the Survey along with their Rating

S.No	Name of Institute	Institute Type	AICTE Region	State	Score Band	Rating
1	A.A.N.M. & V.V.S.R. POLYTECHNIC	Self-financing	South-Central	Andhra Pradesh	Between 11 and 25	Gold
2	A.D. PATEL INSTITUTE OF TECHNOLOGY	Self-financing	Central	Gujarat	Between 11 and 25	Gold
3	A.M.C. ENGINEERING COLLEGE	Self-financing	South-West	Karnataka	10 and below	Silver
4	A.P. GOVERNMENT INSTITUTE OF LEATHER TECHNOLOGY	Government	South-Central	Telangana	Between 11 and 25	Gold
5	A.V.C. COLLEGE OF ENGINEERING	Self-financing	Southern	Tamil Nadu	Between 11 and 25	Gold
6	AARUPADAI VEDU INSTITUTE OF TECHNOLOGY	Self-financing	Southern	Tamil Nadu	10 and below	Silver
7	ABDULHAMID INSTITUTE OF TECHNOLOGICAL SCIENCES	Self-financing	South-Central	Telangana	10 and below	Silver
8	ACADEMY OF BUSINESS ADMINISTRATION	Self-financing	Eastern	Odisha	10 and below	Silver
9	ACCURATE INSTITUTE OF ADVANCED MANAGEMENT	Self-financing	Northern	Uttar Pradesh	10 and below	Silver
10	ACCURATE INSTITUTE OF ARCHITECTURE AND PLANNING	Self-financing	Northern	Uttar Pradesh	Between 11 and 25	Gold
11	ACCURATE INSTITUTE OF MANAGEMENT & TECHNOLOGY	Self-financing	Northern	Uttar Pradesh	Between 11 and 25	Gold
12	ACE ENGINEERING COLLEGE	Self-financing	South-Central	Telangana	Between 11 and 25	Gold
13	ACHARYA & B.M. REDDY COLLEGE OF PHARMACY	Self-financing	South-West	Karnataka	Above 30	Platinum
14	ACHARYA INSTITUTE OF TECHNOLOGY	Self-financing	South-West	Karnataka	Between 11 and 25	Gold
15	ACROPOLIS FACULTY OF MANAGEMENT & RESEARCH	Self-financing	Central	Madhya Pradesh	Between 11 and 25	Gold
16	ACROPOLIS INSTITUTE OF PHARMACEUTICAL EDUCATION AND RESEARCH	Self-financing	Central	Madhya Pradesh	Above 30	Platinum

CII SURVEY PLATINUM RANKING-2020

533	PRESIDENCY UNIVERSITY					
534	PRESTIGE INSTITUTE OF ENGINEERING MANAGEMENT & RESEARCH	Self-financing	Central	Madhya Pradesh	Between 11 and 25	Gold
535	PRESTIGE INSTITUTE OF INSTITUTE OF MANAGEMENT AND RESEARCH	Self-financing	Central	Madhya Pradesh	10 and below	Silver
536	PRESTIGE INSTITUTE OF MANAGEMENT	Self-financing	Central	Madhya Pradesh	Above 30	Platinum
537	PRIN L.N. WELINKAR INSTITUTE OF MANAGEMENT DEVELOPMENT & RESEARCH	Self-financing	South-West	Karnataka	Above 30	Platinum
538	PRIN. K.M. KUNDLIKAR COLLEGE OF PHARMACY	Government-aided	Western	Maharashtra	Above 30	Platinum
539	PRINCE DR. K. VASUDEVAN COLLEGE OF ENGINEERING AND TECHNOLOGY	Self-financing	Southern	Tamil Nadu	Above 30	Platinum
540	PRINCE SHRI VENKATESHWARA PADMAVATHI ENGINEERING COLLEGE	Self-financing	Southern	Tamil Nadu	Above 30	Platinum
541	PRIST SCHOOL OF ENGINEERING AND TECHNOLOGY THANJAVUR	Self-financing	Southern	Tamil Nadu	10 and below	Silver
542	PRINADARSHINI COLLEGE OF ENGINEERING	Self-financing	Western	Maharashtra	Between 11 and 25	Gold
543	PRINADARSHINI L.L. COLLEGE OF PHARMACY	Self-financing	Western	Maharashtra	Above 30	Platinum
544	PROF. RAM. MESHE COLLEGE OF ENGINEERING & MANAGEMENT	Self-financing	Western	Maharashtra	Between 11 and 25	Gold
545	PROF. RAM. MOULI INSTITUTE OF TECHNOLOGY AND RESEARCH	Self-financing	Western	Maharashtra	Between 11 and 25	Gold
546	PROGRESSIVE EDUCATION SOCIETY'S MODERN COLLEGE OF ENGINEERING, PUNE	Self-financing	Western	Maharashtra	Between 11 and 25	Gold
547	PVE COLLEGE OF TECHNOLOGY	Government-aided	Southern	Tamil Nadu	Above 30	Platinum
548	PVN INSTITUTE OF TECHNOLOGY AND APPLIED RESEARCH	Self-financing	Southern	Tamil Nadu	Above 30	Platinum
549	PVE POLYTECHNIC COLLEGE	Government-aided	Southern	Tamil Nadu	10 and below	Silver
550	PVNA COLLEGE OF ENGINEERING & TECHNOLOGY - MBA PROGRAMME	Self-financing	Southern	Tamil Nadu	Above 30	Platinum

ESTABLISHMENT CERTIFICATE:



RATING CERTIFICATE- 2020-2021



ARIIA Ranking 2021



RATING CERTIFICATE - 2021-2022



6. PROBLEMS ENCOUNTERED:

- Building a research oriented and creative mindset requires a constant efforts for attitude transformation in student community.
- Activities carried out of the class hours are a constraint. This results in lesser number of student participation in programmes. Only interested students actively participate in the events.

7. RESOURCES REQUIRED

- Collaboration with industries and renowned research institutes is required.
- Augmenting infrastructure facilities to facilitate the training sessions and to file IPR.
- Commercialization and marketing the products is required.



Prince Dr.K.Vasudevan College of Engineering & Technology

