

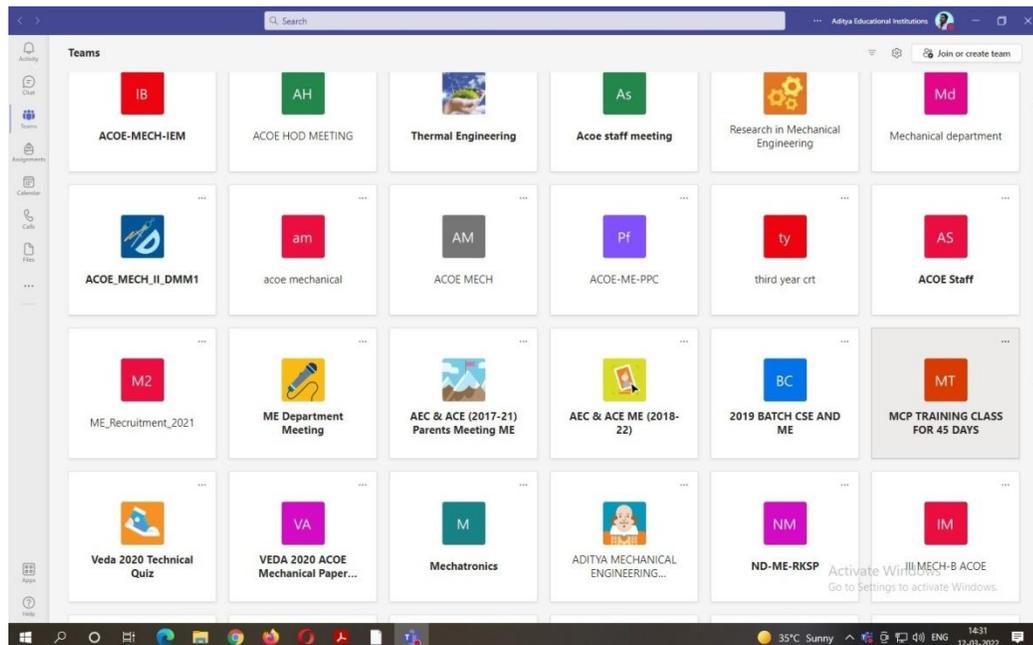
### 3.2.1. Institution has created an eco-system for innovations and has initiatives for creation and transfer of knowledge.

ACOE created an eco-system for innovations and creativity by providing the necessary infrastructure with resources. All the students are motivated to take up innovative projects to enhance their competency levels to grab the colorful opportunities. Similarly, all the teaching staff members are encouraged to take up research activities and publish their work in the form of patents, research publications, grants etc. Research and development cell monitors and addresses the all the research activities.

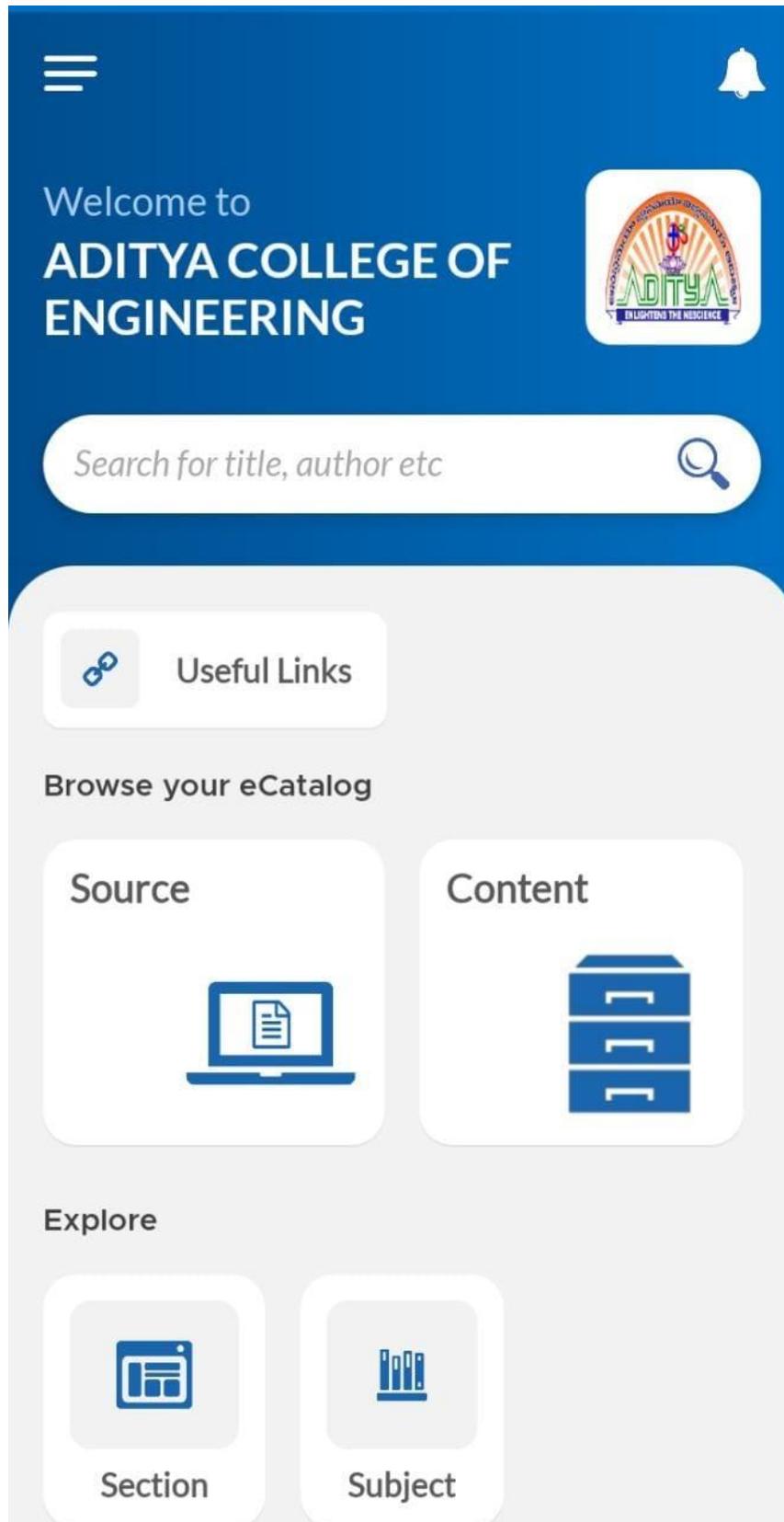
ACOE initiated and established Technical Hub (T-Hub), Teaching-Innovation lab (TI lab), Students Activity Council (SAC) to boost the learning, application of theoretical concepts to real life problems, design the systems etc.

T-Hub focus on technical skills of the students by providing the skill-development courses and conducting various events such as Project Space, T-Connect, Game-A-Thon, CODE<HEAT>, OwlCoder, regularly to improve the professional competency among the students. TI lab works in association with Texas Instruments India where students can come up with their ideas to turn them into projects under the guidance of faculty members. SAC is student-led venture accelerator that fosters the development of entrepreneurs in the college through educational experience thus initiated an eco-system for business from concept to launch.

Our institution is using Microsoft teams and mlibrary apps to transfer the knowledge effectively during pandemic situation.



Microsoft Teams used to share knowledge online during pandemic situation



'mlibrary' app for students and staff for study material and books



## INFLIBNET

Includes 1  
Document(s)



## Magzter

Includes 1  
Document(s)



## NDL

Includes 1  
Document(s)



## Shodhganga

Includes 1  
Document(s)



## SWAYAM

Includes 1  
Document(s)



## National Career Service

सही अवसर, सही समय  
Right Opportunities, Right Time

## National Career S...

Includes 1  
Document(s)



**NDLI Club**

### **NDLI-CLUB**

Includes **1**  
Document(s)



### **Open Access e-Co...**

Includes **1**  
Document(s)



### **Rare Book Society ...**

Includes **1**  
Document(s)



### **e-Newspaper Clips**

Includes **8**  
Document(s)

The College has 2 Centers of Excellence: They are

- i. **Centre of Excellence-AR & VR**
- ii. **Centre of Excellence-Additive Manufacturing**

Apart from dedicated CoEs, college has MoUs with various organizations.

## START UPS:



- 1) GetMyTailor: GetMyTailor is an online tailoring service which enables customers (B2C) to get their stitching done very easily and efficiently. Along with this, we are receiving bulk orders from Educational Institutions as a (B2B) model and the URL is <http://getmytailor.com>
- 2) Nightout: Nightout is a meticulously designed application where it provides a unique way of a learning system. The content lecture videos are in a simple language .which makes a student love to learn what he wants. The duration of the video is 5-10 min where it refers to the basic depth of the subject in which the student can learn what he wants and he can prepare where he wants.
- 3) QQadz: QQadz for all Services (Branding & Advertising, Digital Marketing, Web Designing, House Layouts, Consultancy Services, Marketing Strategy, App Development, Media Works) and the URL is <https://qqadz.com>.



- 4) Karanam Technologies: Karanam Tech Design and installation of customized structures for cultivating ORGANIC VEGETABLES by using the SOIL-LESS Farming techniques like Hydroponics, Aeroponics & Aquaponics. Varsity of models are available for Households and High rise building and the URL is <http://karanamtech.com>.



## PATENTS

1. <http://ipindiaservices.gov.in/PatentSearch/PatentSearch/ViewApplicationStatus>

Application Details	
APPLICATION NUMBER	201921016540
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	25/04/2019
APPLICANT NAME	1 . PROF. DR. S.B. CHORDIYA 2 . DR. BADAL SONI 3 . PROF.( DR),P.SANTOSH KUMAR PATRA 4 . LAKSHMI ANUSHA KOTHAMASU 5 . DR. K. VENKATESH SHARMA 6 . M. VENKATESWARLU 7 . UPPADA GAUTAMI 8 . SURESH KUMAR KOLLIMALLA 9 . PROF. BASWARAJ SHIVANAND MASHALKAR 10 . PROF.(DR.) BEG RAJ
TITLE OF INVENTION	IMC-CHARGER: INTELLIGENT MOBILE PHONE PROTECTIVE CASE WITH SOLAR CHARGER THIN BATTERY
FIELD OF INVENTION	ELECTRICAL
E-MAIL (As Per Record)	dr.bksarkar2003@yahoo.in
ADDITIONAL-EMAIL (As Per Record)	dr.bksarkar2003@yahoo.in
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	17/05/2019

2. [http://www.ipindia.nic.in/writereaddata/Portal/IPOJournal/1\\_4797\\_1/Part-1.pdf](http://www.ipindia.nic.in/writereaddata/Portal/IPOJournal/1_4797_1/Part-1.pdf)

(12) PATENT APPLICATION PUBLICATION	(21) Application No.201941041198 A
(19) INDIA	
(22) Date of filing of Application :11/10/2019	(43) Publication Date : 18/10/2019
(54) Title of the invention : QUANTUM CRYPTOGRAPHY BASED METHOD FOR SECURITY AND PRIVACY IN MOBILE CLOUD COMPUTING	
(51) International classification :H04W88/16	(71)Name of Applicant :
(31) Priority Document No :NA	1)DR. M VENKATA RAO
(32) Priority Date :NA	Address of Applicant :Professor, Department of Computer Science and Engineering, ST. Martin's Engineering College, Dhulapally-500100, Secunderabad, Telangana, India Telangana India
(33) Name of priority country :NA	2)DR. N SATHEESH
(86) International Application No :NA	3)MR.NARESH KUMAR KAR
Filing Date :NA	4)MR. GUNNA KISHORE
(87) International Publication No :NA	5)DR. ANTO A MICHEAL
(61) Patent of Addition to Application Number :NA	6)DR. G. S. N. MURTHY
Filing Date :NA	(72)Name of Inventor :
(62) Divisional to Application Number :NA	1)DR. M VENKATA RAO
Filing Date :NA	2)DR. N SATHEESH
	3)MR.NARESH KUMAR KAR
	4)MR. GUNNA KISHORE
	5)DR. ANTO A MICHEAL
	6)DR. G. S. N. MURTHY
(57) Abstract :	
The present invention disclosure is related to quantum cryptography based method for security and privacy in mobile cloud computing.. The objective of the present invention to provide overcomes the inadequacies of the prior art in health monitoring system. The security and privacy aspects of mobile cloud computing are considered in this invention with a new cryptographic technique based on Quantum cryptography (QC). The present invention allows the users to store and process the data by providing the tempered proof ability of cryptographic technique.	
No. of Pages : 18 No. of Claims : 3	

3. <http://ipindiaservices.gov.in/PatentSearch/PatentSearch//ViewApplicationStatus>

Application Details	
APPLICATION NUMBER	202041006677
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	17/02/2020
APPLICANT NAME	DR.NALLA BHANU TEJA
TITLE OF INVENTION	SYNTHESIS AND INVESTIGATION ON MECHANICAL BEHAVIOUR OF THE SENNA AURICULATA/NANOCERIUM (IV)-ZIRCONIUM(IV) OXIDE HYBRID FIBRE COMPOSITES
FIELD OF INVENTION	MECHANICAL ENGINEERING
E-MAIL (As Per Record)	
ADDITIONAL-EMAIL (As Per Record)	bhanuteja8086@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	17/02/2020
PUBLICATION DATE (U/S 11A)	28/02/2020

4. <http://ipindiaservices.gov.in/PatentSearch/PatentSearch//ViewApplicationStatus>

Application Details	
APPLICATION NUMBER	202041006676
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	17/02/2020
APPLICANT NAME	DR.NALLA BHANU TEJA
TITLE OF INVENTION	OPTIMIZATION OF BIODIESEL PRODUCTION FROM NON-EDIBLE BORASSUS FLABELLIFER OIL USING TAGUCHI APPROACH
FIELD OF INVENTION	CHEMICAL
E-MAIL (As Per Record)	
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E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	17/02/2020
PUBLICATION DATE (U/S 11A)	28/02/2020

5. [http://ipindia.nic.in/writereaddata/Portal/IPOJournal/1\\_4830\\_1/Part-1.pdf](http://ipindia.nic.in/writereaddata/Portal/IPOJournal/1_4830_1/Part-1.pdf)

(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.202041000402 A

(19) INDIA

(22) Date of filing of Application :05/01/2020

(43) Publication Date : 10/01/2020

(54) Title of the invention : IHY-PREDICTION: INTELLIGENT SYSTEM AND METHOD FOR ADVANCED HARVEST YIELD PREDICTION USING IOT BASED TECHNOLOGY

(51)  
International :G06K0009000000,G06Q0050020000,G06Q0010060000,G06N0020000000,A01G0007000000  
classification  
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Document :NA  
No  
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Date  
(33) Name  
of priority :NA  
country  
(86)  
International  
Application :NA  
No :NA  
Filing  
Date  
(87)  
International  
Publication : NA  
No  
(61) Patent  
of Addition  
to :NA  
Application :NA  
Number :NA  
Filing  
Date  
(62)  
Divisional to  
Application :NA  
Number :NA  
Filing  
Date

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6)SNEHA TEJAS SHINDE  
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4)KARRI MANOJ KUMAR  
REDDY  
5)DR.JAMBI RATNA RAJA  
KUMAR  
6)SNEHA TEJAS SHINDE

(57) Abstract :  
IHY-PREDICTION: INTELLIGENT SYSTEM AND METHOD FOR ADVANCED HARVEST YIELD PREDICTION USING IOT BASED TECHNOLOGY ABSTRACT The Invention or IHY-Prediction • is A system and method for predicting advanced harvest yield. The method includes receiving monitoring data related to at least one crop, wherein the monitoring data includes at least one multimedia content element showing the at least one crop; analyzing, via machine vision, the at least one multimedia content element; extracting, based on the analysis, a plurality of features related to development of the at least one crop; and generating a harvest yield prediction for the at least one crop based on the extracted features and a prediction model, wherein the prediction model is based on a training set including at least one training input and at least one training output, wherein each training output corresponds to a training input.

No. of Pages : 23 No. of Claims : 7



Office of the Controller General of Patents, Designs & Trade Marks  
Department of Industrial Policy & Promotion,  
Ministry of Commerce & Industry,  
Government of India



#### Application Details

APPLICATION NUMBER	202141050439
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	03/11/2021
APPLICANT NAME	1 . Aditya Engineering College 2 . Aditya College of Engineering and Technology 3 . Aditya College of Engineering
TITLE OF INVENTION	ARTIFICIAL INTELLIGENCE BASED EARLY DETECTION SYSTEM FOR INTESTINE CANCER
FIELD OF INVENTION	BIO-MEDICAL ENGINEERING
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E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	04/02/2022

#### Application Status

APPLICATION STATUS

**Awaiting Request for Examination**

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Office of the Controller General of Patents, Designs & Trade Marks  
Department of Industrial Policy & Promotion,  
Ministry of Commerce & Industry,  
Government of India



**Application Details**

APPLICATION NUMBER	202141050440
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	03/11/2021
APPLICANT NAME	1 . Aditya Engineering College 2 . Aditya College of Engineering and Technology 3 . Aditya College of Engineering 4 . University College of Engineering Kakinada
TITLE OF INVENTION	ESTIMATING METHOD FOR OPTIMAL PLACEMENT OF DISTRIBUTED GENERATION UNIT
FIELD OF INVENTION	ELECTRICAL
E-MAIL (As Per Record)	hima@novelpatent.com
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E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	04/02/2022

**Application Status**

APPLICATION STATUS: **Awaiting Request for Examination**

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