

## RESEARCH

- The Institution has a research centre recognized by the State University(Tumkur University) (No.TU:AC:RC-57-2012-13:5280 Dated 24-01-2013.)

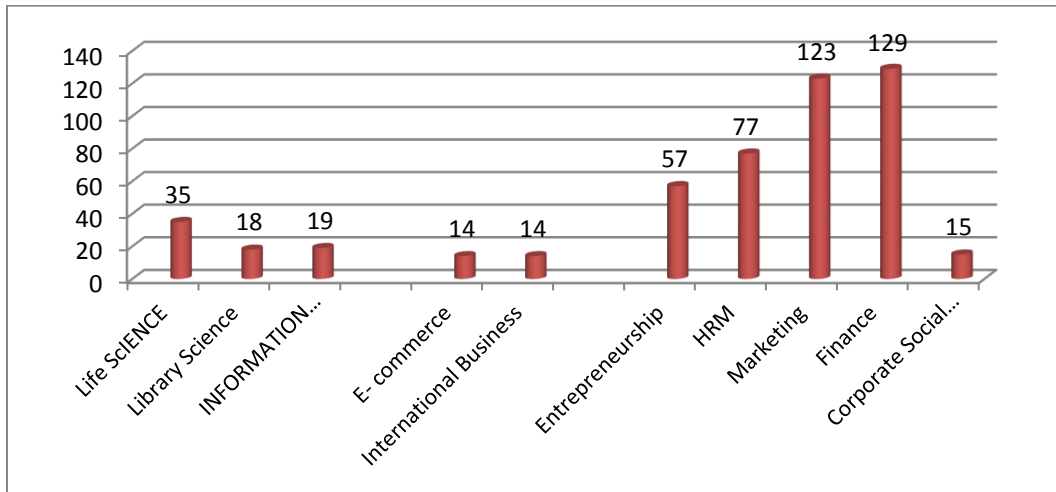
### Research Policy

- Institution provides seed money and research facilities for undertaking in-house research programmes
- Incentives/awards are given to faculties publishing their research findings in National/International journals
- The Institution support financially for attending conference for presenting their research work
- Incentives are given for obtaining research projects from external funding agencies
- On duty facility for the purpose of conference and visit to libraries of other institution is in place to encourage research activities.
- Sabbatical leave policy.
- Faculties undertake research works as part of their M.Phil / Ph.D programme and given special leave to meet the research requirements.

### • Institutional Research Expertise area and Experts

Research Domain	Research Expertise area	Experts available
<b>Commerce and Management</b>	<ul style="list-style-type: none"> <li>• International Business</li> <li>• HRM</li> <li>• Marketing</li> <li>• Finance</li> <li>• e-Commerce</li> <li>• Entrepreneurship</li> </ul>	<ul style="list-style-type: none"> <li>• Dr. H.R Venkatesha</li> <li>• Dr.Jayanthi</li> <li>• Dr.Muthugopala Krishna</li> <li>• Prof. Anil kumar</li> <li>• Dr.R.Venkatamuni Reddy</li> </ul>
<b>Life Sciences</b>	<ul style="list-style-type: none"> <li>• Medicinal Value of Plant Extract</li> <li>• Lectin Biology</li> <li>• Immunology</li> <li>• Antioxidant &amp; Free Radical Study</li> <li>• Microbiology</li> <li>• Plant Tissue Culture</li> </ul>	<ul style="list-style-type: none"> <li>• Dr. D.M. Mahishi</li> <li>• Dr. Soma Chaki</li> <li>• Dr. B. Sasirekha</li> <li>• Mr. PradeepKaushik</li> </ul>
Research Domain	Research Expertise area	Experts available
<b>Computer Science</b>	<ul style="list-style-type: none"> <li>• Image Processing</li> <li>• Security System</li> </ul>	<ul style="list-style-type: none"> <li>• Prof. Rekha.C</li> </ul>
<b>Others</b>	<ul style="list-style-type: none"> <li>• Corporate Social Responsibility</li> <li>• Inclusive Growth</li> <li>• Women Entrepreneurship</li> </ul>	<ul style="list-style-type: none"> <li>• Dr.Nila Chotai</li> <li>• Dr. R. Venkatamuni Reddy</li> <li>• Dr.Dhanalakshmi</li> </ul>

- **Broad Prioritised Research Areas publication by Faculty**



- **Resource Mobilization for Research**

**2011-2012**

- Department of Archaeology, Government of Karnataka funded **Rs.99,000/-** for the publication of Research Papers on **Archaeology and History of Indian Business.**

**2014-2015**

- Ministry of Human Resource Development, Indian Council of Social Science Research (ICSSR) New Delhi had Granted **Rs.1,00,000/-** for conducting National Seminar on **Gender Budgeting.**
- MSME, Government of India had granted **Rs.20,000** to Conduct IMC (Industrial Motivation Campaign).

**2015-2016**

- National Institute of Advance Studies (NIAS) on Solar Energy Systems in Karnataka and received **Rs.45,000/-** for carrying out the research
- DST has granted **Rs.60,000** to conduct Entrepreneurship Awareness Camp
- MSME, Govt. of India has granted **Rs.20,000** to conduct Entrepreneurial Development Program.

Grant received from	Faculty	Title	Grant Amount Received	Year
ICSSR	Dr.R. Venkatamuni Reddy	Gender Budgeting in India: Emerging Issues and Challenges	1,00,000	2014
MSME	Prof. Anil Kumar	IMC (Industrial Motivation Campaign)	20,000	2014

DST	Prof. Anil Kumar	Entrepreneurship Awareness Camp	60,000	2015
MSME	Prof. Anil Kumar	Two Weeks EDP	20,000	2016
Rajiv Gandhi National Institute	Prof. Anil Kumar	Entrepreneurship Awareness Camp	ongoing	2016
National Institute of Advanced Studies (NIAS), Bengalure Solar Power			45,000	2015

<b>Details on the Library/ Information Resource Center and Other Facilities available</b>		
<b>Sl.No.</b>	<b>Data Base</b>	<b>Number of Journals Available</b>
1	PROQUEST	Provides an access to around 5,000 full text <i>e</i> -journals, project Reports, thesis and dissertations
2	J-GATE PLUS	It provides an access to 3000+ full text journals.
3	AMERICAN CHEMICAL SOCIETY FREE SEARCH*	Gives access to ACS journals' full text, images, illustrations, halftones, structures, figures and supporting information.
4	HAZARDOUS CHEMICAL DATABASE	It allows 3995 Hazardous Chemicals or "Generic" entries based on a keyword search.
5	INSTITUTE OF PHYSICS JOURNALS SEARCH*	One can search for articles appeared in all the journals published by institute of Physics from 1874 till date.
6	DOAJ	DOAJ provides an access to 6000 full text journals in all the areas of management and Science.
7	AGCON	Gives an access to full text copies of scholarly research in the broadly defines field agriculture economics.
8	SSRN	It contains over 34,400 abstract and most of them available in full text form.

## Collaborative research facilities developed related by the research institutes in the college

- Membership of Libraries IIMB and Bangalore University has benefited student's research scholars and faculty members for reference and guidance
- Research laboratories such as Skanda Biotech labs, Bhat Bio-Tech lab, Aristogen labs and the laboratory of Indo- American hybrid seed company, IIHR are collaborative institutes to carry out the scientific experiments.
- Institute has collaborated with FEVOURD-K(Federation of Voluntary Organization for Urban and Rural Development- Karnataka), Infoface, Daito-Bunka (Japan University), PSBA Academy and IPIRTI for research and consultancy services.
- OPAC (Online Public Access Catalogue) is used as a search engine to locating the library resources. SMART SEARCH – an exclusive URL portal implemented by the ABBS Library information unit for advance search in Research topics.
- In association with ICICI-Direct and NICT, a software training on Advanced Excel are made available to the faculty members and students every year.
- Training on IBM SPSS was conducted by the IBM trainers in the year 2013 and was continued by the Research head thereafter.
- Training on ERP software modules- TCS-iON is conducted regularly by TCS trainer.
- **Partnership with NGOs:** The College is having MOUs with University Women's Association-Bangalore, Better Tomorrow Movement (BTM), KGF and Centre Rural Health and Social Education (CRHSE), Yelagiri hills, Tamil Nadu and FEVOURD-K. As a result of this initiative, **a book has been published detailing the case history of the successful women Self Help Group Members.**
- The Institution has conducted many workshops and seminars in association with MSME, DST, VTPC, NEN- a Wadhvani group initiative, TiE (The Indus Entrepreneurs) , ENACTUS, IIT Bombay etc.,

**Students and Faculty members** actively participated in research studies and surveys conducted by the NIAS (National Institute of Advance Studies) and funded by SANDEE(South Asian Network for Development Environmental Economics) on Solar Energy System .

Some of the major study are:

- A Study on The Role of Self Help Groups (SHGs) to Financial Performance of Solar Home Lighting System on Demand Side Analysis in Rural Karnataka.
- A Study on Comparative Analysis of Subsidies provided by Banks and Micro Financial Institutions for Solar Home Lighting System in Rural Karnataka
- A Study on Solar Micro Grid and Solar Home Lighting - which is Financially Viable in Karnataka
- A Study on Financial Trade Between Kerosene, Grid Electricity and Solar - A Case Study of Bengaluru

- A Study on Financing Viability in India 100 Giga Watt Solar Target by 2022 - Evidences from Solar Companies in Bengaluru.

#### Research activities @ science departments

- **Heavy Metal Tolerance and Bioaccumulation by the Endophytic Fungus *Colletotrichum Corchori*** – This research work was carried out by under graduate science students with an objective of finding a suitable solution of bioremediation for the increasing heavy metal pollution *i.e.* prevailing in the urban areas of the country. The work was presented at DBT sponsored National seminar on “**Emerging trends in Environment and Sustainable Development**” held on 2<sup>nd</sup> and 3<sup>rd</sup> Sept. 2016 at Andhra Loyola College, Vijayawada, Andhra Pradesh.
- **In Vitro Alfa Amylase Inhibitory Activity of Selected Plant Extracts for Use as Nutraceuticals In Type II Diabetes.** This research work was an initiative by the post graduate students of Life Science department to develop an innovative approach as a solution for the increasing incidence of type II Diabetes in Indian population through nutraceuticals. A part of this work is presented at National seminar on **Recent Trends in Chemistry**, Jyothi Nivas College, Bangalore on 24<sup>th</sup> February 2016.
- **Quality Check in Liquid Milk Through Hyper Spectral Analysis Using Affordable Image Analyser** is an on-going research project aimed to detect the deficiency of milk using spectral data.
- **Construction of Android app based robot control**
- **Construction of Digital IC tester**
- The Institute publishes an in-house journal called **ABBS Management Business and Entrepreneurship Review (AMBER)** which is a referred journal with ISSN: 0976-3341. It is a theme based half yearly journal.

Research Publications/ Participation by the Faculty							
Sl.No	Details	2011-12	2012-13	2013-14	2014-15	2015-16	Total
1	<b>Research Paper Presented</b>						
	National	22	47	41	58	41	<b>209</b>
	International	36	15	17	46	15	<b>129</b>
	<b>Total</b>	<b>58</b>	<b>62</b>	<b>58</b>	<b>104</b>	<b>56</b>	<b>338</b>
2	<b>Research Paper Published</b>						
	National	14	17	28	38	35	<b>132</b>
	International	21	56	19	21	7	<b>124</b>
	<b>Total</b>	<b>35</b>	<b>73</b>	<b>47</b>	<b>59</b>	<b>42</b>	<b>256</b>
3	Research Articles	1	5	1	1	--	<b>8</b>
Sl.No	Details	2011-12	2012-13	2013-14	2014-15	2015-16	Total
4	Books Published	6	10	12	1	8	<b>37</b>

5	Chapters in Edited Books	20	14	10	10	1	<b>55</b>
6	Case Studies Published	4	4	5	--	--	<b>13</b>
7	Proceedings	3	2	9	9	5	<b>28</b>
8	Student Research Publications	--	2	--	4	--	<b>6</b>
	<b>Total Publications</b>	<b>131</b>	<b>201</b>	<b>141</b>	<b>159</b>	<b>107</b>	<b>741</b>

### Research awards received by the faculty

Faculty has received awards for presentations of their papers in International and National conferences and seminars.

- Prof.VijayaBhaskar has received a grant, for Research work from Insurance Institute of India and recognition by the IRDA in 2015 and 2016.
- Dr. R. Venkatamuni Reddy has won “Second Best Paper Award” at the 6<sup>th</sup> International Conference “Managing Business Competitiveness through Technology, Innovation and Big Data”, Paper entitled titled “Karnataka Clean Energy: The Way Ahead – A Comparative Study” Acharya Bangalore B School, Bangalore, December, 2015.
- Prof.Prathiba Raj has been awarded for the best paper titled “Enhancing Employability Through Innovative Practices and Quality Resources- Domestic Scenario” in the international conference in 2015.
- Prof. Pradeep Kaushik has been awarded for the best poster at the international conference ‘Phytocongress-2016’ for the poster entitled ‘Effect Of Auxins and Sources of Explants on Callus Induction in Ophiorrhizamungos L. An Anti-Cancer Herb’
- Dr.Sasirekha B has been awarded for the best oral presentation-“Bio surfactant Production by B. amyloliquefaciens isolated from soil sample” at National conference on New approaches and concepts in Microbial Technology on 29th and 30th September 2015 at Maharani’s Science College for Women, Bengaluru.

### Recognition received by the faculty from reputed professional bodies and agencies, Nationally and Internationally

- Dr. R. Venkatamuni Reddy has received “BharatJyoti Award” and along with Certificate of Excellence from Indian International Friendship Society (IIFS), New Delhi, 29<sup>th</sup> August 2012.

