

**Osmania University**  
**The Annual Quality Assurance Report (AQAR) of the IQAC**  
**2017-18 (July 01, 2017 to June 30, 2018)**

Name of the Department/Centre/Branch : Dept. of Technology, University College of Technology (A), Osmania University, Hyderabad – 500 007

**1. Teaching, Learning and Evaluation**

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
20	06	04	10	--

2.2 No. of permanent faculty with Ph.D.

18

2.3 No. of Faculty Positions Recruited (R) and Vacant (V) during the year

Asst. Professors		Associate Professors		Professors		Others		Total	
R	V	R	V	R	V	R	V	R	V
06	--	04	--	10	--	--	--	20	--

2.4 No. of Guest and Visiting faculty and Temporary faculty

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\* Asstent Prof. \*\*Part Time.

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended Seminars/ Workshops	44		
Presented papers		02	
Resource Persons			

### 2.5.1 Details of research work presented in conferences: National

S. No.	Name of researcher	Title of the conference	Title of the paper	Year/ Duration	Name of the organiser and address
1	Prof. V.V.Basava Rao	CHEMCON – 2017		2017	Haldia Regional Centre of IChE, jointly with the Department of Chemical Engineering, Haldia Institute of Technology, Haldia
2	Prof. R. Shyam Sunder	CHEMCON – 2017		2017	Haldia Regional Centre of IChE, jointly with the Department of Chemical Engineering, Haldia Institute of Technology, Haldia

### 2.5.2 Details of research work presented in conferences: International

S. No.	Name of researcher	Title of the conference	Title of the paper	Year/ Duration	Name of the organiser and address

2.5.3 Details of participation in conferences (as Chairman/Key Note Speaker/ Participant etc.)

S. No.	Name of researcher	Title of the conference	Year/ Duration	Name of the organiser and address	Remarks
1	Prof. V. V. Basava Rao	SCHEMCON 2017	2017	ICT, Mumbai, Maharashtra, India	
2	Prof. VV. Basava Rao	CHEMCON – 2017	2017	Department of Chemical Engineering, Haldia Institute of Technology, Haldia	
3	Prof. R. Shyam Sunder	CHEMCON – 2017	2017	Department of Chemical Engineering, Haldia Institute of Technology, Haldia	
4	Dr. J. Hayavadana Dr. V.V.Basava Rao Dr. Ch. Sailu Dr. A. Ravindernath Dr. E. Nagabhushan Dr. R. Shyam Sunder Dr. Kavita Waghay Dr. G Prabhaker Reddy Dr. V. Ramesh Kumar Dr. P. Raja Rao Sri. Srinivas Maloo Dr.S.Srinu Naik Sri. B. Rajam Dr.V.Dhanalaxmi Dr.A.Venkat Lakshmi Dr.Ch. Srinivas Dr. P.V. Anantha Lakshmi Dr. A. Kiran Kumar Dr. K. Laxma Reddy R.Jyoti Kiran Singh Dr.A.Parshu Ramulu A.Kavitha B.Narayana Dr.T.Venkateshwarlu N.Dheeraj Kumar P.Sunitha	One Day Seminar "Recent Trends in Pharmaceutical Sciences"	2017	University College of Technology	

	<p>5B.Parameswarlu  Dr.M.Ramesh  D.Kodandaram Reddy  R.Saraswathi  V.Bhasker  P. Sri Durga  K.Srinivasulu  D.Arjun  M.Meena  Dr.Mohd Abdul Samee  Sardar Jaspal Singh  Dr.S.Anitha  A.Vijaya Laxmi  S.Ilaiah  A.Vijaykanth  R.Renu  T.Ajit Kumar  Dr.T.Jyothi  A.Abhilash  Ravinder</p>				
5	<p>Dr. J. Hayavadana  Dr. V.V.Basava Rao  Dr. Ch. Sailu  Dr. A. Ravindernath  Dr. E. Nagabhushan  Dr. R. Shyam Sunder  Dr. Kavita Waghay  Dr. G Prabhaker Reddy  Dr. V. Ramesh Kumar  Dr. P. Raja Rao  Sri. Srinivas Maloo  Dr.S.Srinu Naik  Sri. B. Rajam  Dr.V.Dhanalaxmi  Dr.A.Venkat Lakshmi  Dr.Ch. Srinivas  Dr. P.V. Anantha  Lakshmi  Dr. A. Kiran Kumar  Dr. K. Laxma Reddy  R.Jyoti Kiran Singh  Dr.A.Parshu Ramulu  A.Kavitha  B.Narayana  Dr.T.Venkateshwarlu  N.Dheeraj Kumar  P.Sunitha  B.Parameswarlu  Dr.M.Ramesh  D.Kodandaram Reddy  R.Saraswathi  V.Bhasker  P. Sri Durga  K.Srinivasulu  D.Arjun  M.Meena</p>	<p><i>Seminar on "Recent  Trends in Process  industries"Organised  by Department of  Chemical  Engineering, UCT,  OU</i></p>	2018		

	<p>Dr.Mohd Abdul Samee Sardar Jaspal Singh Dr.S.Anitha A.Vijaya Laxmi S.Ilaiah A.Vijaykanth R.Renu T.Ajit Kumar Dr.T.Jyothi A.Abhilash Ravinder</p>				
6	<p>Dr. J. Hayavadana Dr. V.V.Basava Rao Dr. Ch. Sailu Dr. A. Ravindernath Dr. E. Nagabhushan Dr. R. Shyam Sunder Dr. Kavita Waghay Dr. G Prabhaker Reddy Dr. V. Ramesh Kumar Dr. P. Raja Rao Sri. Srinivas Maloo Dr.S.Srinu Naik Sri. B. Rajam Dr.V.Dhanalaxmi Dr.A.Venkat Lakshmi Dr.Ch. Srinivas Dr. P.V. Anantha Lakshmi Dr. A. Kiran Kumar Dr. K. Laxma Reddy R.Jyoti Kiran Singh Dr.A.Parshu Ramulu A.Kavitha B.Narayana Dr.T.Venkateshwarlu N.Dheeraj Kumar P.Sunitha B.Parameswarlu Dr.M.Ramesh D.Kodandaram Reddy R.Saraswathi V.Bhasker P. Sri Durga K.Srinivasulu D.Arjun M.Meena Dr.Mohd Abdul Samee Sardar Jaspal Singh Dr.S.Anitha A.Vijaya Laxmi S.Ilaiah A.Vijaykanth R.Renu</p>	<p><i>Seminar on "Advance in Food Processing Industries" organised by Department of Food Technology ,UCT,OU</i></p>	2018		

	T.Ajit Kumar Dr.T.Jyothi A.Abhilash Ravinder				
7	Dr. J. Hayavadana Dr. V.V.Basava Rao Dr. Ch. Sailu Dr. A. Ravindernath Dr. E. Nagabhushan Dr. R. Shyam Sunder Dr. Kavita Waghray Dr. G Prabhaker Reddy Dr. V. Ramesh Kumar Dr. P. Raja Rao Sri. Srinivas Maloo Dr.S.Srinu Naik Sri. B. Rajam Dr.V.Dhanalaxmi Dr.A.Venkat Lakshmi Dr.Ch. Srinivas Dr. P.V. Anantha Lakshmi Dr. A. Kiran Kumar Dr. K. Laxma Reddy R.Jyoti Kiran Singh Dr.A.Parshu Ramulu A.Kavitha B.Narayana Dr.T.Venkateshwarlu N.Dheeraj Kumar P.Sunitha B.Parameswarlu Dr.M.Ramesh D.Kodandaram Reddy R.Saraswathi V.Bhasker P. Sri Durga K.Srinivasulu D.Arjun M.Meena Dr.Mohd Abdul Samee Sardar Jaspal Singh Dr.S.Anitha A.Vijaya Laxmi S.Ilaiah A.Vijaykanth R.Renu T.Ajit Kumar Dr.T.Jyothi A.Abhilash Ravinder	<i>Seminar on “Recent Trends in Pharmaceutical Sciences” organised by Department of Pharmacy,UCT,OU</i>	2018		

8	<p>Dr. J. Hayavadana  Dr. V.V.Basava Rao  Dr. Ch. Sailu  Dr. A. Ravindernath  Dr. E. Nagabhushan  Dr. R. Shyam Sunder  Dr. Kavita Waghray  Dr. G Prabhaker Reddy  Dr. V. Ramesh Kumar  Dr. P. Raja Rao  Sri. Srinivas Maloo  Dr.S.Srinu Naik  Sri. B. Rajam  Dr.V.Dhanalaxmi  Dr.A.Venkat Lakshmi  Dr.Ch. Srinivas  Dr. P.V. Anantha  Lakshmi  Dr. A. Kiran Kumar  Dr. K. Laxma Reddy  R.Jyoti Kiran Singh  Dr.A.Parshu Ramulu  A.Kavitha  B.Narayana  Dr.T.Venkateshwarlu  N.Dheeraj Kumar  P.Sunitha  B.Parameswarlu  Dr.M.Ramesh  D.Kodandaram Reddy  R.Saraswathi  V.Bhasker  P. Sri Durga  K.Srinivasulu  D.Arjun  M.Meena  Dr.Mohd Abdul Samee  Sardar Jaspal Singh  Dr.S.Anitha  A.Vijaya Laxmi  S.Ilaiah  A.Vijaykanth  R.Renu  T.Ajit Kumar  Dr.T.Jyothi  A.Abhilash  Ravinder</p>	<p><i>Seminar on "Green  Revolution in Textile  - TEXCHROMA"  Organised by  Department of  Textile  Technology,UCT,  OU</i></p>	2018		
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9	<p>Dr. J. Hayavadana  Dr. V.V.Basava Rao  Dr. Ch. Sailu  Dr. A. Ravindernath  Dr. E. Nagabhushan  Dr. R. Shyam Sunder  Dr. Kavita Waghray  Dr. G Prabhaker Reddy  Dr. V. Ramesh Kumar  Dr. P. Raja Rao  Sri. Srinivas Maloo  Dr.S.Srinu Naik  Sri. B. Rajam  Dr.V.Dhanalaxmi  Dr.A.Venkat Lakshmi  Dr.Ch. Srinivas  Dr. P.V. Anantha  Lakshmi  Dr. A. Kiran Kumar  Dr. K. Laxma Reddy  R.Jyoti Kiran Singh  Dr.A.Parshu Ramulu  A.Kavitha  B.Narayana  Dr.T.Venkateshwarlu  N.Dheeraj Kumar  P.Sunitha  B.Parameswarlu  Dr.M.Ramesh  D.Kodandaram Reddy  R.Saraswathi  V.Bhasker  P. Sri Durga  K.Srinivasulu  D.Arjun  M.Meena  Dr.Mohd Abdul Samee  Sardar Jaspal Singh  Dr.S.Anitha  A.Vijaya Laxmi  S.Ilaiah  A.Vijaykanth  R.Renu  T.Ajit Kumar  Dr.T.Jyothi  A.Abhilash  Ravinder</p>	<p><i>Seminar on “Recent Trends in Bio Process Industries” organised by BioChemical Engineering &amp; BioTechnology section UCT, OU</i></p>	2018		
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10	<p>Dr. J. Hayavadana  Dr. V.V.Basava Rao  Dr. Ch. Sailu  Dr. A. Ravindernath  Dr. E. Nagabhushan  Dr. R. Shyam Sunder  Dr. Kavita Waghray  Dr. G Prabhaker Reddy  Dr. V. Ramesh Kumar  Dr. P. Raja Rao  Sri. Srinivas Maloo  Dr.S.Srinu Naik  Sri. B. Rajam  Dr.V.Dhanalaxmi  Dr.A.Venkat Lakshmi  Dr.Ch. Srinivas  Dr. P.V. Anantha  Lakshmi  Dr. A. Kiran Kumar  Dr. K. Laxma Reddy  R.Jyoti Kiran Singh  Dr.A.Parshu Ramulu  A.Kavitha  B.Narayana  Dr.T.Venkateshwarlu  N.Dheeraj Kumar  P.Sunitha  B.Parameswarlu  Dr.M.Ramesh  D.Kodandaram Reddy  R.Saraswathi  V.Bhasker  P. Sri Durga  K.Srinivasulu  D.Arjun  M.Meena  Dr.Mohd Abdul Samee  Sardar Jaspal Singh  Dr.S.Anitha  A.Vijaya Laxmi  S.Ilaiah  A.Vijaykanth  R.Renu  T.Ajit Kumar  Dr.T.Jyothi  A.Abhilash  Ravinder</p>	<p><i>All India Seminar  "Diversity in  Handlooms, Textiles,  Global Trends in  Fashion and  clothing" organised  by the Institution of  Engineers (TS) in  association with  University College of  Technology</i></p>			
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2.6 Innovative processes adopted in Teaching and Learning:

- E-Class Rooms
- E- Library
- Mini Projects
- Mid Term Seminars
- Induction Programmes
- Industrial Visits / Internships
- Presentations

2.9 No. of faculty members involved in curriculum restructuring/revision/syllabus development as member of Board of Study/Faculty/Curriculum Development workshop

13

13

13

2.10 Average percentage of attendance of students

82%

2.11 Course/Programme wise distribution of pass percentage:

Title of the Programme	Year & Semester	DIVISION				
		Total no. of Students appeared	% Distinction	% First Class	% Second Class	% Failed
B.Tech Chemical Engg	2017-2018	55	80%	20%	--	--
B.Tech Food Technology	2017-2018	16	100%	--	--	--
B.Tech Textile Technology	2017-2018	20	90%	--	--	20%
M.Tech Chemical Engineering (CRE)	2017-2018	14	70%	20%	--	10%
M.Tech Chemical Engineering (PD)	2017-2018	17	88%	--	--	12%
M.Tech Chemical Engineering (PDC)	2017-2018	4	50%	25%	--	25%
M.Tech Chemical Engineering (EE)	2017-2018	6	66%	20%	--	14%
M.Tech Chemical Engineering (MST)	2017-2018	15	87%	5%	--	8%
M.Tech Chemical Engineering (TPFC)	2017-2018	6	100%	--	--	--
M.Tech Chemical Engineering (BC & BT)	2017-2018	12	100%	--	--	--
M.Tech Chemical	2017-2018	15	93%	--	--	7%

Engineering (Food Technology)						
M.Tech Chemical Engineering (Textile Technology)	2017-2018	--	--	--	--	--

### 2.13 Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of Programmes Conducted</i>	<i>Number of faculty benefitted</i>
Refresher courses		
UGC – Faculty Improvement Programme		
HRD programmes		
Orientation programmes		
Faculty exchange programme		
Staff training conducted by the university	1	44
Staff training conducted by other institutions		
Summer / Winter schools, Workshops, etc.	1	44
Others		

## 3. Research, Consultancy and Extension

### 3.2 Details regarding major projects

	<b>Completed</b>	<b>Ongoing</b>	<b>Sanctioned</b>	<b>Submitted</b>
Number		05		
Outlay in Rs. Lakhs		34.23		

#### 3.2.1 Details of ongoing research/consultancy projects (Major) (as on 01-07-2017)

S. No.	Name of PI	Title of the project	Year/ Duration	Funding Agency	Amount (Rs. in Lakhs)
1	Prof. V.V. Basava Rao	Studies on Fludization Behaviour of nano-Powers using Structure Assistance	2017	PURSE-DST, 2017	1.83 lakh

2	DR. CHINTHA SAILU	Process Intensification by Spherical Crystallization	2017	PURSE-DST, 2017	30.3 lakhs
3	Prof. J. Hayavadana	Development of Sizing machine for IKAT dyeing	2017	OU DST-PURSE	0.75 Lakhs
4	Prof. J. Hayavadana	Fabrication of testing instruments	2017	Osmania University	0.60 Lakhs
	Sri. B. RAJAM	Design and Development of Innovative Fly Ash Based Nano Catalysts for Production Of Biodiesel'  Sanction letter No. C-DST-PURSE-II/61/2017.	2017	PURSE-DST, 2017	0.75 lakhs

### 3.2.2 Details of completed research/consultancy projects (Major) (as on 30-06-2017)

S. No.	Name of PI	Title of the project	Year/ Duration	Funding Agency	Amount (Rs. in Lakhs)
1					
2					

### 3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number				
Outlay in Rs. Lakhs				

### 3.3.1 Details of ongoing research/consultancy projects (Minor) (as on 01-07-2017)

S. No.	Name of PI	Title of the project	Year/ Duration	Funding Agency	Amount (Rs. in Lakhs)
1					
2					

### 3.3.2 Details of completed research/consultancy projects (Minor) (as on 30-06-2017)

S. No.	Name of PI	Title of the project	Year/ Duration	Funding Agency	Amount (Rs. in Lakhs)
2					
3					

### 3.4 Details on research publications

	International	National	Others
Peer Review Journals	57	--	
Non-Peer Review Journals			
e-Journals			
Conference proceedings	02		

#### 3.4.1. Details of publications:

S. No.	Author(s)	Year	Title of research paper/Book	Name of Journal/ Publisher	Vol. No and Page Nos/ Pages	Impact Factor/ ISBN No.
1	Harsha Nagar, V. V. Basava Rao & S. Sridhar	2017	'Synthesis and characterization of Torlonbasedpolyion complex for direct methanol and polymer electrolyte membrane fuel cells'	<i>Journal of Materials Science</i> - July 2017	Volume 52, Number 13, P 8052-8069,	(ISSN 0022-2461) IF 2.993

2	D. Anitha, T.BalaNarsaiah, V.V.Basava Rao	2017	“RTD studies in liquid-solid Tapered Fluidized bed”,	International Journal of Engineering Technology Science and Research (IJETSR),	Volume 4, Issue 9 - September 2017	ISSN 2394 – 3386
3	D.Anitha, V.V.Basava Rao, T. BalaNarsaiah	2017	“RTD Studies in Liquid – Solid Tapered Fluidized bed”	4th international conference, ICNFESMH-2017 at IETE, O.U, Hyderabad		(ISBN: 978-81-934288-3-2)
4	DR. A. RAVINDERNATH	2017	Extraction and Characterization of Gymnemagenin in <i>Gymnema Sylvestre</i> Leaves,	International Journal of Pharmaceutical Sciences and Research,	8(8), (2017), 3503-07	
5	DR. A. RAVINDERNATH	2017	Extraction and Characterization of 4-Hydroxy Isoleucine from <i>Trigonella Foenum Graecum</i> Seeds	Indo American Journal of Pharmaceutical Sciences,	4(6), (2017), 1711-16	
7	DR. A. RAVINDERNATH	2017	Synthesis and evaluation of anti-inflammatory, antioxidant and antimicrobial activities of densely functionalized novel benzo [d] imidazolyl tetra-hydro pyridine carboxylates	Arabian Journal of Chemistry	10(1), (2017), S1172-79	
8	DR. A. RAVINDERNATH	2017	Relevance of Gandhian Concept of ‘NAI TALIM’ for Modern University Education,			ISBN #978-81-921167-7-8
9	Narender Naik G, Shyam Sunder R	2017	“Enhanced Oral Bio Availability of Nebivolol Hydrochloride Through Liquisolid Approach : Application of Novel Excipients”	Indo American Journal of Pharmaceutical Research, 2017	Vol 7, Issue : 11 – 2017	ISSN No. 2231 – 6876,
10	Narender Naik G, Shyam Sunder R and Sateesh Kumar M.	2017	“APromising Technique to Improve the Solubility by Liquisolid compaction Technology”	Journal of Drug Delivery and Therapeutics	8(5): 56-61	

				- 2018		
11	R. Shyam Sunder, g. Kalpana, K. Bhavanasindhu	2017	“Formulation and Evaluation of Oral Herbal Tablets Conataining Methanolic Extract of Alternanthera Pungens with Cytotoxic Activity”	Journal of Pharma Research.	Vol – 7, Issue 4 ; 2018	ISSN : 2319 – 5622
12	RavichandKancharlaa*, ShanthiKarpurapu, Vadeghar Ramesh Kumar, GinugaPrabhaker Reddy	2017	A Novel Approach for analysis of FTIR membrane spectroscopy IEEE	7th International Advance Computing Conference	pp728-731 978-1- 5090-1560- 3/17	
13	Pavan Kumar Veldandi Ramesh Kumar V and ChinthaSailu	2017	A method for modelling variable speed compressor in chemical process simulators Electronic	International Conference on Innovative Mechanisms for Industry Applications (ICIMIA) - 2017 21-23 Feb 2017		ISBN: 978-1- 5090- 5960-7
14	M Kalyani, Gopal R Nemmani, V Ramesh Kumar, Suggala V Satyanarayana	2017	Simulation of a Catalytic Membrane Reactor for Oxidative Coupling of Methane–A Comparative Study for Isothermal and Non-isothermal Conditions, Conference Proceeding of 5th International	Conference on Science, Technology & Management (ICSTM-2017)at The Institution of Engineers India, Visvesvaraya Bhavan, Hyderabad, Telangana, India held - December 2017,		ISBN: 978-93- 87433- 03-82
15	D. KodandaramReddy Waghray K, S V Satyanarayana, PunnamHarika,	2017	The effect of infrared radiation on native enzymes a study on potato”	International Journal of Engineering ScienceInvent ion,	Volume6, Issue 7Page. No 42-45	ISSN: 2317- 6726
16	JanagabelliMounika, V Bhasker, ThiruthopuNeelima, MrudulaGuggilla, Srinivas Maloo	2017	“Study On The Drying Characteristics of Green Gram, Cowpea And Soyabean”	International Journal of Advanced Engineering, Management	Volume 3, Issue 9, (September - 2017), page .No.	ISSN:24 54-1311

				and Science(IJAE MS),	948-950,	
17	JanagabelliMounika, V Bhasker, ThiruthopuNeelima, MrudulaGuggilla, Srinivas Maloo	2017	“Study On The Drying Characteristics of Green Gram, Cowpea And Soyabean”	International Journal of Advanced Engineering, management and science(IJAE MS), (September - 2017),	Volume 3, Issue 9, page .No. 948-950,	ISSN:24 54-1311
18	Prof. J. Hayavadana	2017	Novel methods of Assessment Aesthetic Properties of Dress material	International Journal of Current Advanced Research	Volume 6; Issue 7, Page No. 4758-4763	
19	Prof. J. Hayavadana	2017	Novel Approach To Apparel Drape measurement- A New Horizon	International Journal of Advance Research in Science and Engineering	Vo.No:6, Issue No:3, 2319-8346	
20	Prof. J. Hayavadana	2017	When textiles meet computers’	Fiber2fashion	Volume 6; Issue 7, Page No. 4758-4763	
21	K.Srinivasulu	2017	Journal of Textile Engineering & Fashion Technology	Journal of Textile Engineering & Fashion Technology	Volume 2 Issue 3	
22	D.Arjun	2017	Spunbonding Technology and Fabric properties: A Review	Journal of Textile Engineering and Fashion technology		
23	Akula Esther Sandhya, Dr.KavitaWaghray	2018	“Development of sorghum biscuits incorporated with spices”	International Journal of Food Science and Nutrition,	Volume 3,Issue2,pa ge.No.120- 128,	ISSN: 2455- 4898
24	V. Sruthi, Prof. Dr.KavitaWaghray, Ankush Narayan Rathod,	2018	“Development of Wafers Incorporated with Pearl Millet Flour& Barnyard Millet Flour”	IJSRST	Volume 4,Issue 5	



25	Abdul Sabir, VellenkiBhaskar, SrinivasMaloo and Dr.KavitaWaghay	2018	Study of Dehydrated Curves of Raddish and Purslane leaves”	World journal of engineering research and technology	Vol 4,issue 1,page.No.2 00-215	
26	Abdul Sabir, Desham Kodandaram Reddy, Dr.KavitaWaghay, VellenkiBhaskarandSrini vas Maloo	2018	“Extending the use of a highly nutritious under utilized Taro (Colocasiaesculenta ) tuber by development of tutti fruity”	World journal of engineering research and technology	Vol 3,issue 4page.No.5 03-516	
27	RavinderA,WaghayK,Su bbarao and Evangeline SJ,	2018	“Studies on production of gluten free products from Breadfruit flour”	Journal of food nutrition and population health	Vol 2,page.No.1 -8	
28	GirijaVudugula, P Shylaja,V Bhasker, Srinivas Maloo,	2018	“Development And Utilization of Millet Based Composite Mix”	International Journal of Food Science and Nutrition,	Volume 3, Issue 2,(March 2018), - page .No. 25-27	ISSN:24 55-4898
29	Jyothi Thati, SailuChintha.,	2018	A Review on Spherical Crystallization Mechanisms and Characterization	<b>Research Journal of Pharm and Tech</b>	11 (1)	
30	P Ramya, v Bhasker, G Mounika, K Santhosh, D Saraswathi, Srinivas Maloo,	2018	“Development of Moringa Leaves Pickel And Its Shelf Life Study”	International Journal Of Advance Research And Development	Volume 3, Issue 2(March 2018),page. No. 824- 827,	ISSN: 2455- 4030
31	P Ramya, V Bhasker, D Saraswathi, K Santhosh, G Mounika, Srinivas Maloo,	2018	“Study On Drying Characteristics Of Vegetables”.	International Journal of Academic Research and Development, (March 2018),	Volume 3, Issue 2 page.No. 949-954,	ISSN: 2455- 4197

32	Shaik Ayesha Sulthana, Sri Srinivas Maloo and Vellanki Bhasker,	2018	“Formulation And Quality Evaluation of Cookies From Drumstick Leaf Powder And Cauliflower Leaf Power”.	International Journal of Advanced Research (IJAR), (March 2018),	Volume 6, Issue 4 page.No. 168-172,	ISSN NO. 2320-5407
33	Shailaja A, Shaik Yesha Sultana, B Bhavani, Basker Vellanki, Srinivas Maloo	2018	“Development And Quality Evaluation of Lemon Juice Blended With Aloe Vera” - (March 2018).	International journal of food science and nutrition	Volume 3, Issue 2 page. No. 197-199	ISSN .No.245 5-4898
34	M Surendar Reddy, Attar Singh Chauhan, Srinivas Maloo, V Bhashar.	2018	“Impact of enzymatic treatment on total carotene and sensory evaluation of various vegetable juices”.	The Pharma Innovation Journal 2018	Vol 07, Issue 11 Pg. No 266-272.	
35	P Shylaja, Dr. Jyothi Kiran Singh, V Bhasker,	2018	New Product Development From Food Processing Industry Waste	International Journal of Engineering Research and Technology (IJERT),	Volume 7, Issue 2 (February 2018),	ISSN: 2278-0181.
36	Girija Vudugula, P Shylaja, V Bhasker, Srinivas Maloo,	2018	Development And Utilization of Millet Based Composite Mix”, (March 2018),	International Journal of Food Science and Nutrition,	Volume 3, Issue 2 page .No. 25-27,	ISSN: 2455-4898
37	Priyanka S, Ramakrishna Rao M, Kodandaram Reddy D, Kavitha Waghray and Srinivas Maloo,	2018	Value Addition of banana (Musa paradisiaca) : Development and Storage Evaluation Using osmo solar dehydration Technique”	MOJ Food Processing and Technology	Volume 6, Issue 1	

38	MaheshDindu,SDattaMaz umdar, Srinivas maloo,Renu R and BhaskarV	2018	“Standardization and Formulation of Sorghum based Cookies and their Nutritional Composition”	Journal of Pharmacognosy and phytochemistry (February 2018))	Volume 7,Issue 2,	
39	K.SanthoshKumar,S.Datt amazumdar and R.Renu	2018	Development of Millet Based Enriched with Peanuts and Pulses”	International Journal of Current Microbiology and Applied Sciences (March 2018)	Volume 7,Issue 4	
40	DSaraswathi, RRenu, Srinivas Maloo	2018	“Development and Quality Evaluation Of Pumpkin Seeds and Flaxseeds Powder Incorporated Biscuits”	International Journal of Food Science and Nutrition March 2018)	Volume 3,Issue 2	
41	Prof. J. Hayavadana & Sri. D. Arjun	2017	Potential of Nonwoven Fabrics as Surgical Gowns”	International Research Journal of Medical Sciences	5(1)	ISSN:2320-7353
42	Prof. J. Hayavadana, and Ayodya Kavitha,Kodamagundla Sreenu	2017	Novel Approach To Apparel Drape measurement- A New Horizon,	International Journal of Advance Research in Science and Engineering	6(3)	ISSN:2319-8346
43	Dr.Kavita Waghray	2017	The effect of infrared radiation on native enzymes—a study on potato	International Journal of Engineering ScienceInvention 2017	6 (7)	ISSN:2319-6726
44	Dr.Kavita Waghray	2017	Process Standardization And Evaluation Of Green Peas (Pisum Sativum)Using Solar Dehydration Technology.	International Journal of Innovative Technology And Research	5(2)	ISSN:2320:5547
45	Dr.Kavita Waghray	2017	Development of Value Addition Pineapple (Ananas comosus) Chunks Using Solar Dehydrated Technology	MOJ Food Processing Technology 2017	4(1)	2381-182X
46	Dr.Kavita Waghray	2017	Solar Dehydration Processing of Green Bell Pepper for Value Addition and Preservation : A Study on Adaptation of Climate Change. Climate Change Impacts, Adaptation and Mitigation			ISBN 978-93-82829-13-3
47	P V Anantha Lakshmi	2017	Synthesis, Characterization and TGA Studies of Co (II), Ni (II) and Zn (II) Complexes of 3-(2-(4-hydroxy-3-methoxy benzylidene) hydrazinyl)-2Hbenzo[b] [1, 4]	Research Journal of Pharmaceutical, Biological and Chemical Sciences ,	8(1), 1051-1060	0.35 0975-8585

			oxazin-2-one Schiff Base.			
48	P. V. Anantha Lakshmi	2017	Synthesis and Antimicrobial Activity of Novel 5-[(1H-indol-3-yl)methylene]thiazolidine - 2,4-dione- [1,2,3]triazole Hybrids	Russian Journal of General Chemistry (Springer Journal)	87(2), 316-32	0.553 1070-3632
49	P V Anantha Lakshmi	2017	Synthesis, Characterization and Thermogravimetric Analysis of Co(II), Ni(II), Cu(II) and Zn(II) Complexes Supported by ONNO Tetradentate Schiff base Ligand Derived from Hydrazino Benzoxazine	Journal of Saudi Chemical Society. (Elsvier Journal)	21, S457 – 466	2.887 1319-6103
50	P V Anantha Lakshmi	2017	Synthesis and Antibacterial Activity of Novel Pyrano[2,3-d]pyrimidine-4-one-3-Phenylisoxazole Hybrids	Russian Journal of General Chemistry (Springer Journal)	87( 4), 829–836	0.553 1070-3632
51	Dr. S. Srinu Naik	2017	Growth, Characterization, Optical and Vibrational properties of Mg <sup>2+</sup> doped Cd <sub>0.8</sub> Zn <sub>0.2</sub> S Semiconductor Compounds using Co-Precipitation Method	International Journal of Material Sciences and Technology	Vol 7 (1), 2017, pp: 1-16.	ISSN 2249-3077
52	D Kodandaram Reddy	2017	Extending the Use of a Highly Nutritious Underutilized Taro ( <i>Colocasia Esculenta</i> ) Tuber by Development of Tutti Fruity	World Journal of Engineering Research and Technology	Vol. 3, Issue 4, 230 -279, 2017.	ISSN 2454-695X
53	Sri. V. Bhasker	2017	Process Standardization and Evaluation of Green Peas ( <i>Pisum Sativum</i> ) using solar dehydration technology	International Journal of Innovative Technology and research	5(2)/ 5673-5680	ISSN:232 0-5547
54	Dr. Laxma Reddy	2017	Synthesis of Ru(II) Thiophene – Imidazo – Phenanthroline Polypyridyl Complexes and Their DNA Binding, Photocleavage, Antimicrobial and Cytotoxicity Activity Properties.	European Journal of Biomedical and Pharmaceutical Sciences	4(2)/ 245-253	Impact Factor 4.382  ISSN: 2349-8870
55	D.Anitha,T.BalaNarsaiah, V.V.Basava Rao, G.Srinivasa Rao	2018	“Experimental RTD Studies In Circulating Fluidized Bed”	<i>International Journal of Engineering Research and Development,</i>	Volume 14, Issue 5 (May, 2018) PP.64-69	

56	Jyothi Thati, SailuChintha	2018	A Review on Spherical Crystallization Mechanisms and Characterization.	Research Journal of Pharm and Tech 11 (1)		
57	DhegamSrujana, and ChintaSailu	2018	A study on heterogeneous photocatalytic degradation of various organic compounds using N-Tio2 under Uv-light irradiation AIP Conference Proceedings 1952, 020106 (2018); doi: 10.1063/1.5032068			
58	B.Parameswarlu, ChinthaSailu , K P Charan Kumar,	2018	Degradation of Triclosan in Wastewater by Uv-Light Driven PhotocatalysisHyderabad	International Conference on Innovative Trends in Engineering, Applied Science and Management ((ICITEASM-2018)		
59	P.K. Veldandi*, V. Ramesh Kumar and ChinthaSailu,		Modeling and Simulation of Various Startup Scenarios of Compressors, Recent Innovations in Chemical Engineering		<a href="#">10(2): 139 – 144;</a>	DOI: 10.2174/2405520410666170815155119

#### 3.4.2. Details of performance:

S. No.	Name of researcher	H Index	Cumulative Impact Factor	Cumulative Citation Index
1				
2				

#### 3.5 Details on Impact factor of publications:

Range		Average		h-index		Nos. in SCOPUS	
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3.6 Research funds sanctioned and received from various funding agencies, industry and other organisations

Nature of the Project	Duration Year	Name of the funding Agency	Total grant sanctioned	Received
Major projects				
Minor Projects				
Interdisciplinary Projects				
Industry sponsored				
Projects sponsored by the University/ College				
Students research projects <i>(other than compulsory by the University)</i>				
Any other (Specify)				
Total				

3.7 No. of books published i) With ISBN No.  Chapters in Edited Books

ii) Without ISBN No.

3.8 Departments receiving funds from

UGC-(SERO)Autonomous Grands  CAS  DST-FIST   
DPE  DBT Scheme/funds

3.10 Revenue generated through consultancy

3.11 No. of conferences organized

Level	International	National	State	University	College
Number					
Sponsoring agencies					

3.12 No. of faculty served as experts, chairpersons or resource persons

3.13 No. of collaborations International  National  Any other

3.14 No. of linkages created during this year

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	
	Granted	
International	Applied	
	Granted	
Commercialised	Applied	
	Granted	

3.17 No. of research awards/ recognitions received by faculty and research fellows of the department/centre in the year

Total	International	National	State	University	Dist	College

3.18 No. of faculty   
 who are Ph. D. Guides  
 and students registered under them

3.19 No. of Ph.D. awarded by faculty  
 Ph.Ds awarded:

S. No.	Name of researcher scholar	Year	Subject	Research topic	Supervisor
1	Ms. M. Madhumala	2017	<b>(Chemical Engg.)</b>	Synthesis and Characterization of Novel Solvent – Resistant Polymeric Barriers and their Application in Membrane Contractor Systems	1.Dr. S. Sridhar Scientist, IICT 2.Prof. T. Sankarshana UCT, O.U.
2	Ms. J. Soujanya	2017	<b>(Chemical Engg.)</b>	VLE Measurement and Prediction for Process Equipment Design.	1.Dr. B. Satyavathi, IICT, Hyd. 2.Prof.T.Sankarshana

					UCT, OU
3	Mr. Kastala Anil Kumar	2018	(Chemical Engg.)	Identification and control of Non-Linear Processes using Artificial Intelligent Techniques	Prof. G. Prabhakar Reddy, UCT, OU
4	Ms. Vijaya Tejavath	2018	(Chemical Engg.)	Growth, Characterizations and Electrical Studies of Mg doped $cd_{0.8}Zn_{0.2}S$ Semiconductor Compounds	Prof. S. Ram Mohan Rao, UCT, OU

3.20 No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones)

JRF  SRF  Project Fellows  Any other

#### 4. Infrastructure and Learning Resources

4.1 Details of increase in infrastructure facilities:

Facilities	Existing	Newly created	Source of Fund	Total
Class rooms	19+			
Laboratories	39			39
Seminar Halls	01			01
No. of important equipment purchased ( $\geq$ 1-0 lakh) during the current year.	104			104
Value of the equipment purchased during the year (Rs. in Lakhs)	Rs.21,91,054.00		College Funds	42367181/-
Others				