

Minutes of
First Research Council Meeting
of
KLE Technological University,
Hubballi, Karnataka
May 13th, 2016



KLE Technological
University

Creating Value
Leveraging Knowledge

KLE Technological University
(Established under Karnataka Act No.22, 2013)

VICE CHANCELLOR
KLE Technological University
HUBBALLI-580 031. India

DEAN (R & D)
KLE Technological University,
HUBBALLI-580 031.

The following are the minutes of the Research Council Meeting of KLE Technological University, Hubballi, which was held on 13th May 2017 at 9.30am, at the Senate Hall of the university.

The following Members were Present.

Sr. No	Name	Designation	Position
1.	Dr Ashok Shettar	Vice Chancellor	Chairman
2.	Dr. Madhusudhan Atre	Consultant & Adjunct Professor KLE Tech, Vegashakthi Consultants	Member
3.	Dr. Manjunath D	Prof IIT, Bombay	Member
4.	Dr. Venu Gopinathan	Former Director, Kilby Labs, Texas Instruments	Member
5.	Prof B L Desai	Registrar, KLE Technological University	Member
6.	Dr P G Tewari	Principal BVBCET & Dean Academics, KLE Technological University	Member
7.	Dr. Uma K. Mudenagudi	Dean R & D	Member Secretary

The following members were invited members.

SL	Name	Designation	Position
8.	Dr B B Kotturshettar	Dean Planning & Development Head of Mechanical Dept	Invited Member
9.	Dr. Gopal Joshi	Dean CEER, KLE Technological University	Invited Member
10.	Dr. Sanjay Kotabagi	Dean Students, KLE Technological University	Invited Member
11.	Heads of Schools/Departments/Centers		Invited Member


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Agenda

Item No.	Particulars
RC 1.1	To consider and approve objectives of the Research Council (RC)
RC 1.2	To discuss the present status of PhD admissions
RC 1.3	(Information agenda): To discuss the present status of research activities in BVBCET
RC 1.4	To discuss and approve research plans at schools, departments, clusters and centers
RC 1.5	Any other subject with the permission of the chair

RC 1.1	To consider and approve objectives of the Research Council (RC)
	<p>The objectives of Research Council is presented</p> <ul style="list-style-type: none">• Guide the strategic orientation required to advance research profile of the University.• Advise Schools, departments and centers to evolve their strategic research roadmap.• Review policies and regulations to enhance quality of Ph.D./M.Phil. programs• Regularly review, research performance of Schools / departments through appropriate parameters.

Action Requested: The Research Council is requested to discuss and approve the objectives of Research Council.

Discussion:

Resolution: Resolved to approve the objectives of Research Council


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RC 1.2 To discuss the present status of PhD admissions

The status of PhD admissions for the year 2016 is presented

Sl. No	School/Dept/Center Name	Code	No. Applicants	Available Seats	Eligible	Seats offered	Seats allotted
1	Civil and Environmental Engineering	CV	12	10	4	3	3
2	Electrical & Electronics	EE	15	10	14	6	4
3	Mechanical Engineering	ME	15	13	9	9	6
4	Computer Science & Engineering	CS	17	13	15	7	7
5	Dept. of Biotechnology	BT	3	4	3	3	3
6	Management	MS	2	1	2	1	1
7	Dept. of Social Sciences	SS	5	3	5	3	2
8	Centre for Engineering Education ResSearch	EER	5	2	4	2	1
9	Applied Sciences (Physics, Chem, Maths)	AS	8	21	5	5	5
	Total	8	82	77	61	39	32

Action Requested: The Research Council is requested to discuss and approve the list of PhD admissions at various Schools, Departments and Centers.

Discussion: Participating in the discussion Prof. Manjunath enquired about available seats and eligible seats. Honorable VC Dr. Ashok Shettar clarified about these things and said that each supervisor can take maximum of FIVE (5) PhD candidates.

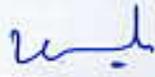
Resolution: Resolved to confirm the PhD admissions at different schools and departments

RC 1.3 (Information agenda): To discuss the present status of research activities in BVBCET

Summary of progress of research activities at schools departments, clusters and centers are presented (Information)

- Summary of VTU PhD programs
- Summary of publications
- Summary of institute funded capacity building projects
- Summary of REU

Discussions:

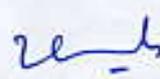

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RC 1.4	<p>To discuss and approve research plans at schools, departments, clusters and centers</p> <ul style="list-style-type: none"> All the Heads presented the research plans of Schools, Departments and Research Clusters
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Action Requested: The Research Council is requested to discuss and approve research plans at schools, departments, clusters and centers

Discussion:

Resolution: Resolved to approve research plan at schools, departments, clusters and centers. The Focused Research Areas (FRAs) were identified based on application domains and Research domains (as per the strengths and aspirations of the school/department)


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Minutes of
Second Research Council Meeting
of
KLE Technological University,
Hubballi, Karnataka
May 6th, 2017



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KLE Technological University
(Established under Karnataka Act No.22, 2013)

A handwritten signature in blue ink, likely belonging to the Vice Chancellor.

VICE CHANCELLOR
KLE Technological University
HUBBALLI-580 031. India

A handwritten signature in blue ink, likely belonging to the Dean (R & D).
A blue ink stamp with the text 'DEAN (R & D) KLE Technological University HUBBALLI-580 031.'

DEAN (R & D)
KLE Technological University
HUBBALLI-580 031.

The following are the minutes of the Second Research Council Meeting of KLE Technological University, Hubballi, which was held on 6th May 2017 at 9.30am, at the Senate Hall of the university.

The following Members were Present.

Sr. No	Name	Designation	Position
1.	Dr Ashok Shettar	Vice Chancellor	Chairman
2.	Dr. Madhusudhan Atre	Consultant & Adjunct Professor KLE Tech, Vegashakthi Consultants	Member
3.	Dr. Manjunath D	Prof IIT, Bombay	Member
4.	Prof B L Desai	Registrar, KLE Technological University	Member
5.	Dr P G Tewari	Principal BVBCET & Dean Academics, KLE Technological University	Member
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The following members were invited members.

SL	Name	Designation	Position
7.	Dr B B Kotturshettar	Dean Planning & Development Head of Mechanical Dept	Invited Member
8.	Dr. Gopal Joshi	Dean CEER, KLE Technological University	Invited Member
9.	Dr. Sanjay Kotabagi	Dean Students, KLE Technological University	Invited Member

The following invited members have sought leave of absence:

SL	Name	Designation	Position
10.	Dr. Venu Gopinathan	Former Director, Kilby Labs, Texas Instruments	Invited Member


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Agenda

Item No.	Particulars	Page No
RC 2.1	To read and confirm the minutes of the previous meeting held on 13 th May 2016	3
RC 2.2	To confirm the action taken report on the minutes of the previous meeting held on 13 th May 2016	4
RC 2.3	To discuss and approve strategic plan of R & D activities	5
RC 2.4	To discuss and approve initiatives to promote R & D activities <ol style="list-style-type: none"> 1. Budget note 2017 2. Call for Research clusters/groups and Product Design and Development Grants (PDDG) 2017-18 3. Call for capacity building projects 4. Guidelines for attending and conducting Conferences, Faculty Development Programs (FDPs) and Staff Development Programs (SDPs) 5. Guidelines for claiming incentives for R&D activities 	5
RC 2.5	To discuss the progress of PhD programs at schools and departments <ol style="list-style-type: none"> 1. Review of Course work: Results of January 2016 batch of candidates is presented 2. Review of Seminar and MOOC Courses: List of MOOC and Seminar courses offered and completed at schools and departments is presented 3. To consider change of supervisor and change of admission category 	6
RC 2.6	(Information agenda) To discuss the progress of research activities at schools, departments and centers (KLETech + BVBCET) <ol style="list-style-type: none"> 1. Summary of VTU PhD programs 2. Summary of publications 3. Summary of institute funded capacity building projects 4. Summary of REU 	9
RC 2.7	Any other subject with the permission of the chair	

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RC 2.1 To read and confirm the minutes of the previous meeting held on 13th May 2016

RC 1.1 To consider and approve objectives of the Research Council
Resolution: Resolved to approve the objectives of Research Council

RC 1.2 To discuss the present status of PhD admissions
Resolution: Resolved to confirm the PhD admissions at different schools and departments as given in the following table.

Sl. No	School/Dept/Center Name	Code	No. Applicants	Available Seats	Eligible	Seats offered	Seats Admitted
1	Civil and Environmental Engineering	CV	12	10	4	3	3
2	Electrical & Electronics	EE	15	10	14	6	4
3	Mechanical Engineering	ME	15	13	9	9	6
4	Computer Science & Engineering	CS	17	13	15	7	7
5	Dept. of Biotechnology	BT	3	4	3	3	3
6	Management	MS	2	1	2	1	1
7	Dept. of Social Sciences	SS	5	3	5	3	2
8	Centre for Engineering Education ResSearch	EER	5	2	4	2	1
9	Applied Sciences (Physics, Chem, Maths)	AS	8	21	5	5	5
	Total	8	82	77	61	39	32

RC 1.3 (Information agenda): To discuss the present status of research activities in BVBCET
Resolution: Noted

RC 1.4: To discuss and approve research plans at schools, departments, clusters and centers
Resolution: Resolved to approve research plan at schools, departments, clusters and centers. The Focused Research Areas (FRAs) were identified based on Application domains and Research domains.

RC 1.5 Any other subject with the permission of the chair

Action Requested: To confirm the minutes of the previous meeting held on 13th May 2016

Discussion:

Resolution: The minutes of the previous meeting held on 13th May 2016 were read & confirmed


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Item No.	Description	Action Taken																																																																																								
RC 2.2	To confirm the action taken report on the minutes of the previous meeting held on 13th May 2016																																																																																									
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RC 1.2:	To discuss the present status of PhD admissions Resolution: Resolved to confirm the PhD admissions at different schools and departments	Selected students were admitted																																																																																								
	<table border="1"> <thead> <tr> <th>Sl. No</th> <th>School/Dept/Center Name</th> <th>Code</th> <th>No. Applicants</th> <th>Available Seats</th> <th>Eligible</th> <th>Seats offered</th> <th>Seats allotted</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Civil and Environmental Engineering</td> <td>CV</td> <td>12</td> <td>10</td> <td>4</td> <td>3</td> <td>3</td> </tr> <tr> <td>2</td> <td>Electrical & Electronics</td> <td>EE</td> <td>15</td> <td>10</td> <td>14</td> <td>6</td> <td>4</td> </tr> <tr> <td>3</td> <td>Mechanical Engineering</td> <td>ME</td> <td>15</td> <td>13</td> <td>9</td> <td>9</td> <td>6</td> </tr> <tr> <td>4</td> <td>Computer Science & Engineering</td> <td>CS</td> <td>17</td> <td>13</td> <td>15</td> <td>7</td> <td>7</td> </tr> <tr> <td>5</td> <td>Dept. of Biotechnology</td> <td>BT</td> <td>3</td> <td>4</td> <td>3</td> <td>3</td> <td>3</td> </tr> <tr> <td>6</td> <td>Management</td> <td>MS</td> <td>2</td> <td>1</td> <td>2</td> <td>1</td> <td>1</td> </tr> <tr> <td>7</td> <td>Dept. of Social Sciences</td> <td>SS</td> <td>5</td> <td>3</td> <td>5</td> <td>3</td> <td>2</td> </tr> <tr> <td>8</td> <td>Centre for Engineering Education ResSearch</td> <td>EER</td> <td>5</td> <td>2</td> <td>4</td> <td>2</td> <td>1</td> </tr> <tr> <td>9</td> <td>Applied Sciences (Physics, Chem, Maths)</td> <td>AS</td> <td>8</td> <td>21</td> <td>5</td> <td>5</td> <td>5</td> </tr> <tr> <td></td> <td>Total</td> <td>8</td> <td>82</td> <td>77</td> <td>61</td> <td>39</td> <td>32</td> </tr> </tbody> </table>	Sl. No	School/Dept/Center Name	Code	No. Applicants	Available Seats	Eligible	Seats offered	Seats allotted	1	Civil and Environmental Engineering	CV	12	10	4	3	3	2	Electrical & Electronics	EE	15	10	14	6	4	3	Mechanical Engineering	ME	15	13	9	9	6	4	Computer Science & Engineering	CS	17	13	15	7	7	5	Dept. of Biotechnology	BT	3	4	3	3	3	6	Management	MS	2	1	2	1	1	7	Dept. of Social Sciences	SS	5	3	5	3	2	8	Centre for Engineering Education ResSearch	EER	5	2	4	2	1	9	Applied Sciences (Physics, Chem, Maths)	AS	8	21	5	5	5		Total	8	82	77	61	39	32	
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RC 1.5	Any other subject with the permission of the chair																																																																																									

Action Requested: The Academic Council is requested to confirm the action taken report on the minutes of the previous meeting held on 13th May 2106

Discussion:

Resolution: Resolved to confirm the action taken report on the minutes of the previous meeting held on 13th May 2016


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RC 2.3 To discuss and approve strategic plan of R & D activities

The strategic plan of R & D activities is presented (given in Aneexure-1)

Action Requested: The Research Council is requested to discuss and approve the strategic plan of R & D activities of KLE Technological University.

Discussion:

Resolution: Resolved to approve the strategic plan of R & D activities of KLE Technological University

RC 2.4 To discuss and approve initiatives to promote R & D activities

Initiatives to promote R & D activities for the year 2017-18 is presented (given in Annexure-2):

1. Budget note 2017
2. Call for Research clusters/groups and Product Design and Development Grants (PDDG) 2017-18
3. Call for capacity building projects 2017-18
4. Guidelines for attending and conducting Conferences, Faculty Development Programs (FDPs) and Staff Development Programs (SDPs)
5. Guidelines for claiming incentives for R&D activities

Action Requested: The Research Council is requested to discuss and approve the initiatives to promote R & D activities for the year 2017-18.

Discussion: Participating in the discussion, Prof. Manjunath suggested that, for administrative simplicity and to provide flexibility, it is better to reduce the classification of research groups, clusters and PDDG faculty groups as research project proposals. To this honorable vice chancellor expressed that there are no administrative overloads involved.

Prof. Manjunath had opinion to have an incentive review committee for reviewing and awarding financial incentives for research activities and also suggested to have two meetings in a semester. Further he also suggested that University should discourage publication of papers without impact factor.

Prof. Manjunath suggested the following:

- to put in-place a bench marking process for R & D activities.
- to have adjunct faculty to interact with faculty and research scholars to enhance external research grants and research work relevant to local problems.
- to have adjunct faculty as co-supervisors.
- to make Teaching Assistance (TA) work compulsory for research scholars.
- not to include budget for expenditure distribution for different heads in the call for research proposals.

Resolution: Resolved to approve the following:

1. Initiatives to promote R & D activities for the year 2017-18:
 - a. Allocation of budget for R & D activities for the year 2017-18.
 - b. Research funding for activities of Research clusters/groups and Product Design and Development Grants (PDDG) 2017-18
 - c. Research funding for capacity building projects 2017-18
 - d. Guidelines for attending and conducting Conferences, Faculty Development Programs (FDPs) and Staff Development Programs (SDPs)
 - e. Guidelines for claiming incentives for R&D activities
2. Resolved to consider the suggestions made by Prof. Manjunath during the call for research proposals in the next phase
3. Also resolved to consider the suggestions made by Prof. Manjunath to constitute the incentive review committee to review and award financial incentives for R & D activities of 2017-18


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RC 2.5 To discuss the progress of PhD programs at schools and departments

Progress of PhD programs for the year 2017-18 is presented and it includes:

1. Review of Course work: Results of January 2016 batch of candidates is presented.
2. Review of Seminar and MOOC Courses: List of MOOC and Seminar courses offered and completed at schools and departments is presented.
3. To consider change of supervisor and change of admission category.

1. Review of course work results January 2016 batch of candidates and eligible list of research scholars for comprehensive examination.

Table 5.1: Consolidated results of Ph.D. Coursework, Sept. 2016 and Feb. 2017 Examinations

Sl. No.	Schools	Total Students appeared	Total Students appeared	Total Courses offered	Appeared student-course combinations	Passed student-course combinations	Eligible students for comprehensive examination
1	School of Civil and Environmental Engg	3	3	5	9	8	-
2	School of Electrical and Electronics Engg	4	4	4	8	7	-
3	School of Mechanical Engg	6	6	13	21	20	3
4	School of Computer Science Engg	7	7	11	27	21	-
5	Departemnt of BioTechnology	3	2	6	7	7	-
6	School of Management Studies and Research	1	1	6	6	6	1
7	Departemnt of Humanities and Social Sciences	2	2	7	9	9	-
8	Center for Engineering Education and Research	1	1	3	3	3	-
9	Departemnt of Applied sciences	5	5	21	28	26	-
	Chemistry	2	2	8	10	9	-
	Physics	3	3	13	18	17	-
Total		32	31	76	118	107	4

Table 5.2: List of eligible research scholars for comprehensive examination

Sl.No	School	USN	Candidate Name
1.	School of Mechanical Engineering	01PE16RME005	Mr. Sushruth Halewadimath
2.		01PE16RME006	Mr. Vinayak Kulkarni
3.		01PE16RME003	Mr. Nagaraj Ekabote
4.	School of Management Studies and Research	01FM16RBA001	Ms. Anushree Kini

Table 5.3: Details of MOOC and Seminar courses offered at Schools and Departments

Sl. No.	Schools	MOOC Courses	MOOC Courses Completed	Seminar Courses	Seminar Courses Completed
1	School of Civil and Environmental Engg	-	-	2	0
2	School of Electrical and Electronics Engg	8	2	-	-
3	School of Mechanical Engg	-	-	-	-
4	School of Computer Science Engg	6	2	-	-
5	Departemnt of BioTechnology	-	-	-	-
6	School of Management Studies and Research	-	-	-	-
7	Departemnt of Humanities and Social Sciences	2	0	2	0
8	Center for Engineering Education and Research	-	-	2	2
9	Departemnt of Applied sciences	-	-	5	0
	Chemistry	-	-	2	0
	Physics	-	-	3	0
	Total	16	4	11	2

1. To consider the following:

I. Change of supervisor:

- The RPC has received the request for change of supervisor for the Ph.D Scholar Mrs. Leena V. Hublikar, Dept. of Chemistry, since earlier supervisor has put in his resignation.
- The RPC approves **Dr. Sharanabasav Ganachari**, Center of Material Science, KLE Tech, Hubli as new supervisor to the candidate.

II. Change of admission category: Full Time to Part Time

- The request for change of admission category of the following candidates from School of Computer Science was discussed. (a) Mr. Kiran Jade : 01FE16RCS003 Supervisor: Dr. P.S. Hiremath (b) Mrs. Archana Sidhanti : 01FE16RCS001 Supervisor : Dr. S.G.Totad.
- The following decisions were taken by the RPC for conversion of admission category from Full time to Part time.
 - a. The candidate must take concurrence from the employer and must produce No objection certificate from the employer for carrying out the research at KLETech on part time basis.
 - b. The candidate must be situated within the jurisdiction of KLE Technological University.

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Action Requested: The Research Council is requested to discuss and approve the progress of Jan 2016 PhD candidates for the year 2017-18.

Discussion:

Resolution: Research council reviewed the progress of PhD programs at schools and departments and approved the following:

1. Results of course work of Jan 2016 batch of research scholars are reviewed and approved.
2. List of MOOC and seminar courses offered is reviewed and approved.
3. List of eligible research scholars for comprehensive examination is reviewed and approved.
4. RPC recommendations for Change of supervisor of Ph.D Scholar Mrs. Leena V. Hublikar, Department of Chemistry, is reviewed and approved.
5. Research Council recommended to seek the following information from the part-time research scholars:
 - a. Willingness to spend 2 days/week to contribute towards their research work.
 - b. Place of work indicating that it is within 100km from the University.
 - c. No Objection Certificate (NOC) from the employer.


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RC 2.6 (Information agenda) To discuss the progress of research activities at schools, departments, clusters and centers (KLETech+BVCET)

Summary of progress of research activities at schools departments, clusters and centers are presented (Information)

1. Summary of VTU PhD programs
2. Summary of publications
3. Summary of institute funded capacity building projects
4. Summary of REU

1. Summary of VTU PhD programs

BVCET has 13 research centers affiliated to VTU with 50 doctoral faculty guiding 140 registered research scholars. Awarded Doctoral and MS candidates from these research centers are 28 and 2 respectively. The Table 3.1 presents details about the research-centers and summarized details are:

- Research centers: 13
- Registered guides: 62
- Registered doctoral candidates: 121
- Number of Thesis submitted in 2016-17: 09
- Total number of doctoral degrees awarded: 25 PhD + 2 MSc

Table-6.1: Details of registered and awarded candidates at 13 research centers

Sl.NO	Department	No. of Faculty with PhD	No. of PhD/MSc registered	No. of PhD/MSc Submitted	Degree awarded
1	Automobile	2	2	00	00
2	Biotechnology	3	4	00	00
3	Civil	10	15	00	03
4	Computer Science	9	21	05	02
5	Electrical & Electronics	2	3	00	01
6	Electronics & Communication	8	25	00	04+1
7	Instrumentation Technology	2	4	00	00
8	Industrial Production	4	6	01	03
9	Mechanical	8	18	03	11+1
10	Physics	3	12	00	01
11	Chemistry	4	2	00	00
12	Mathematics	6	5	00	00
13	Master of Business Administration	1	4	00	00
	Total	62	121	09	25+2


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2. Summary of publications

The following table summarizes the number of publications of research work in refereed conferences and journals at national and international level.

Table 6.2: Summary of papers published during 2012-13, 2013-14, 2014-15 & 2015-16

Year	Int Journal		National Journal	Int. Conf.	National Conf.	Total	Impact factor
	Impact Factor (IF)	Without Impact Factor (IF)					
2012-13	20	43	01	29	18	111	Av. IF=1.630 Maximum=5.96
2013-14	40	107	07	154	36	344	Av. IF=1.510 Maximum=4.357
2014-15	50	82	16	120	58	326	Av. IF=1.84 Maximum=5.510
2015-16	23	42	3	103	4	175	Av. IF=1.01 Maximum=5.46
2016-17	24	85	8	86	17	220	Av. IF=0.325 Maximum=6.8
Total	157	359	35	492	133	1176	

Table 6.3: Summary of papers published and indexed in Scopus, Web of Science and Google Scholar

Consolidated list of publications from year 2013-14 to 2016-2017												
Dept.	Scopus				Web science				Google scholar			
	Indexed		Citations		Indexed		Citations		Indexed		Citations	
	2013-2015	2016-2017	2013-2015	2016-2017	2013-2015	2016-2017	2013-2015	2016-2017	2013-2015	2016-2017	2013-2015	2016-2017
	2	0	0	0	0	0	0	0	6	0	0	0
	12	10	20	21	13	14	13	0	14	29	37	33
	0	05	0	02	3	10	0	0	30	15	48	23
	14	4	0	14	0	0	0	0	62	3	62	7
	29	19	2	26	0	0	0	0	83	14	36	83
E	9	1	3	0	0	0	0	0	18	4	13	1
	26	25	64	55	0	0	0	0	61	65	96	29
	17	19	454	275	8	9	9	233	22	29	739	505
	19	42	12	39	0	8	0	0	68	60	38	94
	0	7	0	8	3	0	0	0	0	5	0	10
	22	21	327	370	5	0	2	0	101	41	743	413
	51	5	98	97	0	0	0	0	43	14	642	363
	20	5	115	63	15	0	25	0	35	4	135	90
	0	1	13	4	0	0	0	0	28	8	44	20
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	11	0	0
unities	0	0	0	0	0	0	0	0	0	0	0	0
	221	164	1108	974	47	41	49	233	571	302	2633	1671

3. Summary of Institute funded capacity building projects:

Capacity building projects are funded by the institute with the following objectives:

- To build research capabilities
- To provide the experience of carrying out the research project
- To facilitate the process of applying to external funding agencies

Table 6.4: Summary of capacity building projects

Year	Sanctioned projects/ total	Sanctioned amount	Utilized amount	REU Student	PhD/ M.Tech	Papers published	Applied for external projects	External sanctioned projects
2011-12	17	9.9L	8.48 L	09	17	08	5 DST +1 NRB + 3VGST +8AICTE	1 (10 L)
2012-13	14	12.44 L	8.48 L	06	12	5+4 C	10 AICTE	1 (40 L)
2013-14	14/19	11.6	9.76 L	06	10	5 C	VGST	20.0L
2014-15	22/24	14.07 L	2.29 L	06	05	3U +3C	2 VGST+ 5 Agri Uni	03 (14.0 L)
2015-16	15/19	13.025 L	-	-	-	-	-	-

4. Research Experience for Undergraduates (REU)

Undergraduate research opportunities help the student to experience and learn how to identify and define the problems and solve them, how to find and evaluate evidence, how to consider and assess competing interpretations, how to form and test their own analysis and interpretations and how to communicate their ideas and findings. These learning's enable them to take part in the research missions in their future career inside or outside academia.

Probably our college is the first institution in India to introduce 'Research Experience for Undergraduate (REU)s' in the curriculum as an optional course. The response from the students and faculty mentors has been overwhelmingly positive. The students and faculty mentors have devoted considerable time and effort to make the experience worthwhile and fruitful.

Table 6.5: Summary of REU projects

Year	# REU students	# Guides	# publications	# PGs from REU
2011-12	18	22	25	8
2012-13	31	40	20	8
2013-14	30	44	23	5
2014-15	46	48	26	4
2015-16	67	54	55	8
2016-17	68	60	30	-

Discussions:

Prof. Manjunath suggested to present the publications data in graphical form to know the trend

Annexure 1

Theme 2 (as indicated in the strategic plan of KLE Technological University)

Impactful Research & Development

KLE Tech will actively nurture and organize its research efforts and creative endeavors to enhance regional, national and global impact and reputation as a research, technology and Intellectual Property (IP) intensive university

Improving our performance in research / technology /IP metrics is a necessary step for obtaining credibility and resources needed to elevate KLE Tech in the Indian higher education system. A greater part of our research effort will be aligned / concentrated in the areas of national interest. We need to build on these areas to develop substantial research strengths through selective strategic investments, research leadership and support. This selective strategic investment will need to also comprehend the increasingly important inter-disciplinary areas.

1. Focus

Develop substantial research strengths by aligning the areas of university strengths with those of national interest and local societal development - by selective strategic investments, leadership and support

- a. Evolve strategic research roadmap for each school by identifying Focused Research Areas (FRAs) that build on present strengths and future opportunities
- b. Ensure the alignment of FRAs with areas of national strategic, as well as local societal, importance and priority.
- c. Implement an integrated and coherent university-wide approach to planning, delivering, managing and funding research across all the schools.

2. Interdisciplinary Research Centers

Build strategic aggregations of people and programs to strengthen inter-disciplinary areas of research & development that will allow us to compete successfully, and provide the ability to create innovative technology and solutions to societal needs.

- a. Promote and support interdisciplinary research and development centers that leverage depth and breadth of our expertise to address the complex problems faced by our nation and the world.
- b. Ensure that these centers give priority to problems/opportunity-focused projects/products that demonstrate successful interdisciplinary collaboration and address the market needs through innovation, intellectual property, and technology translation.

3. Funding


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Foster a supportive environment for research by facilitating access to internal grants, and providing strategic expertise to maximize external grants.

- a. Build and grow university research funds, for providing internal support to schools and research centers to enhance their research and development profile.
- b. Establish appropriate processes to provide seed funding for research projects that can be leveraged in obtaining external grants.
- c. Seek funding from governments, research agencies and industry to sustain the research initiatives and enable specific research projects
- d. Drive the commercialization of research and technology transfer, through mechanisms such as licensing, patents, creating spin-off companies and incubating / supporting external entrepreneurs.

4. Programs

Enhance quality and relevance of doctoral research programs to emerge as an institution of choice for researchers.

- a. Continue to invest in research capacity development to attract and support more doctoral / post-doctoral students in disciplinary and interdisciplinary FRAs
- b. Strengthen the interconnectivity between research, technology development / translation, and teaching/learning, including the participation of undergraduate and postgraduate students in university research programs.
- c. Evolve innovative enrollment strategies to recruit and support researchers and personnel from industry.


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Budget Note-2017

R&D PLATFORMS: To promote research in emerging and high impact areas, the institute has undertaken initiative to identify and nurture research clusters/research groups (RC/RGs) and fund for **Product Design and Development** initiatives. Our aim is to develop these clusters/groups to a level of competency that, they can further emerge as Centers of Excellence (CoE).

- **Definitions**

- **Research Center:** Encompass the research activities at the department level. There can be multiple areas of research pertaining to the disciplines based on the faculty expertise available in the department. These centers will also focus on offering of formal degree like MS and PhD. They will also contribute towards imparting research experience for UG and PG students via programs like Research Experience for Undergraduates (REU).
- **Research Cluster (RC):** Research Cluster is theme centered, e.g. energy, material science, ESDM etc. These centers synergize the efforts and expertise of faculty across the departments and create a platform towards building higher levels of inter-disciplinary research/development/technology-translation/productivity. The aim is to get recognition and visibility in a chosen theme.
- **Research Group (RG):** This is similar to RC, however collaborating faculty can be from the same department or across departments. Research group leads to initiation of research clusters in the collaborating area over a period of time.
- **Centre of Excellence (CoE):** The identification of RC/RGs will be based upon need of the institution, talent, passion and the ecosystem, which will sustain to evolve into CoEs. This will help to identify the clusters of competence, which then go through 2 phases before emerging as CoEs. In Phase-1, RCs define roadmap, orient research and build capacity. In Phase-2, RCs contribute towards publications, funded research and consultancy projects, patents etc. before elevating to CoE. CoEs will collaboratively work with CTIE, CIPD.
- **Product Design and Development Grant (PDDG):** This grant is given to a faculty or group of faculty who involve in product innovation, design and development activity of the institute and supports start-ups and industry. These faculty groups bring together the skill set and expertise of multidisciplinary group of researchers from schools, departments, RCs/RGs and industry towards technology translation, design and development activity of a product.
- **Capacity Building:** Capacity Building is development of faculty qualifications and orientation, and hard and soft infrastructure to initiate and grow the research activity in an area aligned with school/department focus areas.
- The objectives of RC/RGs or PDDG are to enable focused research, attract funding, IP generation, productizations, start-up support, and synergize the efforts of faculty and students to gain greater recognition for the institution at National and International level.
- The identification of RC/RGs or PDDG faculty groups will be based upon need of the institution, talent, passion and the ecosystem, which will sustain them, and then eventually lead to recognition as CoEs.
- Human resources: Each RC/RG may recruit Research Associates (junior or senior) to carry out the research activities of the cluster/group.
- Each RC/RG needs to provide roadmap for 3 years, fund release for the first year is subject to the acceptance of the roadmap, and however subsequent fund release depends on the success of the roadmap.
- Faculty or group of faculty applying for PDDG can recruit research associates and the group needs to provide roadmap for 3 years, fund release for the first year is subject to

the acceptance of the roadmap, and however subsequent fund release depends on the success of the roadmap.

- 3 to 4 RC/RGs and PDDG need to be identified in 2017 by sending the call for proposals.
- The budget for each RC/RG or PDDG faculty group is 30 to 50L.
- Details of heads for each RC/RG or PDDG faculty group and the total budget are:

Sl.No	Head	Budget
1	CapEx-Equipment, facility	12.50L
2	5 to 6 RAs with an average salary of 25,000/PM (25,000/PMx6=1.5Lx12)	18.00L
3	Others	7.00L
	Travel 3.00L	
	Training 1.00L	
	Patenting 3.00L	
	Total budget for each RC/RG or PDDG faculty group	37.50L

(The above expenditure distribution are suggestive, based upon the need of RC/RG or PDDG there can be variations)

Total budget for RC/RGs and PDDGs = 37.50*4= 150.00 L

2. Capacity building: Capacity building projects are initiated and funded by the institute to enhance the research activity.

- Objectives

- To enhance the research capability of the faculty and research center/cluster/group.
- To provide experience of carrying out the research project.
- To facilitate the process of applying to external funding agencies.

- The budget for capacity building is increased to 50L.
- Maximum funding for each project: Maximum funding for each project has been increased from 1L to 5L, higher than 5L can be considered based on the merit of the proposal.
- Funding includes Capital expenditure like equipment, lab facilities and recurring expenditure like manpower (research project assistants with around 5K to 10K per month salary), travel and consumables.

3. Others: Other head includes the following.

- Attending Conferences:
 - Outside India: Registration + Max of Rs.15,000 (Faculty are encouraged to apply for external funding for travel).
 - Within India: Registration + Travel (II A/C train or A/C sleeper bus).
- Conducting Conferences: National and/or International level.
- Faculty Development Programs (FDPs) and Staff Development Programs (SDPs) to attend and to conduct.
 - Maximum of Rs.50,000/ to conducting FDP.
 - Registration, travel (II A/C) and accommodation is provided to attend FDPs.
- Patenting: Depending on the merit of the application, patent fee and other related fees are permitted.
- Incentives for guiding PhDs, quality paper publications, book chapters and external research funding
 - a. Faculty guiding internal Ph. D candidates: KLE Tech University Research

supervisors can claim the following:

- i. Rs. 40,000/- per candidate after the successful completion of the degree of the candidate within stipulated period of the university (6 years).
 - ii. Rs. 60,000/- per candidate after the successful completion of the degree of the candidate one year prior to the stipulated period of the university (5 years).
- b. External funded project: PI of KLETech university shall claim 5% of the sanctioned amount of the external funded project after the submission of Utilization Certificate (UC).
- c. Authors of International Journal paper, book, book chapters shall claim according to the following table after the paper/chapter/book is been published.

S.No	Publication type (Only non-paid journals and Thomson Reuters Impact factor is considered)	Incentive Amount
1	Non paid Journals with Impact factor up to 0.5	Rs. 3,000/-
2	Non paid Journals with Impact factor 0.5 to 1.0	Rs. 5,000/-
3	Non paid Journals with Impact factor 1.01 to 1.5	Rs. 7,000/-
4	Non paid Journals with Impact factor 1.5 and above	Rs.10,000/-
5	Following Journals irrespective of impact factors: ASME, ASCE, ACM, IEEE, Springer, Elsevier, SAE, ASEE	Rs.10,000/-
6	Book/ Book chapters with Springer, MGH, Person, CRC press, Oxford University Press, international publishers	Rs.10,000/-

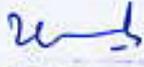
- d. All request letters for the incentives of R & D activities shall be submitted to Dean R & D, forwarded by school heads/HODs in the prescribed format with necessary documents for further processing. The school head/HOD should ensure all criteria are satisfied before forwarding to Dean R&D.

4. Total Budget: Research clusters and groups(150L) +Capacity building (50L) +Others(50L) = 250L

SL No.	Head planned	Amount in L
1	Research clusters and groups	150.00L
2	Capacity building	50.00L
3	Others	50.00L
	1. Conferences to conduct : 10.00	
	2. Conference to attend : 15.00	
	3. Training (FDPs) : 10.00	
	4. Patenting : 10.00	
	5. Incentives : 5.00L	
		250.00L

Call for

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Research Clusters/Groups (RCs/RGs) or Product Design and Development Grants (PDDG) 2017-18

The KLE Technological University invites the proposals from Research Clusters or groups (RCs/RGs) and Product Design and Development Grants (PDDG)

- Last date to submit the proposal: 20.04.2017
- Why: To promote research in emerging and high impact areas, the institute has undertaken initiative to identify/establish research clusters and PDDG faculty groups. Our aim is to develop these clusters/groups or PDDG faculty groups to a level of competency that, they can further emerge as centers of excellence(CoE).
- Guidelines for applying
 - **Definitions**
 - **Research Center:** Encompass the research activities at the department level. There can be multiple areas of research pertaining to the disciplines based on the faculty expertise available in the department. These centers will also focus on offering of formal degree like MS and PhD. They will also contribute towards imparting research experience for UG and PG students via programs like Research Experience for Undergraduates (REU).
 - **Research Cluster (RC):** Research Cluster is theme centered, e.g. energy, material science, ESDM etc. These centers synergize the efforts and expertise of faculty across the departments and create a platform towards building higher levels of inter-disciplinary research/development/technology-translation/productivity. The aim is to get recognition and visibility in a chosen theme.
 - **Research Group (RG):** This is similar to RC, however collaborating faculty can be from the same department or across departments. Research group leads to initiation of research clusters in the collaborating area over a period of time.
 - **Centre of Excellence (CoE):** The identification of RC/RGs will be based upon need of the institution, talent, passion and the ecosystem, which will sustain to evolve into CoEs. This will help to identify the clusters of competence, which then go through 2 phases before emerging as CoEs. In Phase-1, RCs define roadmap, orient research and build capacity. In Phase-2, RCs contribute towards publications, funded research and consultancy projects, patents etc. before elevating to CoE. CoEs will collaboratively work with CTIE, CIPD.
 - **Product Design and Development Grant (PDDG):** This grant is given to a faculty or group of faculty who involve in product innovation, design and development activity of the institute and supports start-ups and industry. These faculty groups bring together the skill set and expertise of multidisciplinary group of researchers from schools, departments, RCs/RGs and industry towards technology translation, design and development activity of a product.
 - **Formation of Research group/cluster:** The Research Cluster need to satisfy the following points.
 - Minimum of Two doctoral faculty collaboratively working together in a research area.
 - The research area needs to be in alignment with the focused research areas of school/s or departments/university.
 - The research area needs to connect to the thrust areas of external funding agencies and/or already existing external funded projects.
 - **Proposal under PDDG:** Faculty or group of faculty wish to apply for PDDG need to satisfy the following points.
 - Minimum of One doctoral faculty preferably with industry experience with the background of product development, collaboratively working with start-up or industry towards a product, or technology translation.
 - The area of product needs to be in alignment with the start-ups or industry


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- The objectives of RCs/RGs are to enable focused research, attract funding, IP generation and synergize the efforts of faculty and students to gain greater recognition for the institution at National and International level.
- The objectives of PDDG faculty group are to enable product validation, development, productization, collaboration with start-ups, support to the student projects for commercialization and synergize the efforts of faculty and students to gain greater recognition for the institution at National and International level.
- Human resources: Each research cluster/research group/PDDG faculty group may recruit Research Associates (junior or senior) to carry out the research/productization activities.
- Each research cluster/research group/PDDG faculty group needs to have roadmap for 3 years, fund release for the first year is subject to the acceptance of the roadmap, and however subsequent fund release depends on the success of the roadmap.
- Details of heads and the total budget for the year 2017 are:

Sl.No	Head	Budget
1	CapEx-Equipment, facility	12.50L
2	4 to 6 RAs with an average salary of 25,000/PM (25,000/PMx6=1.5Lx12)	18.00L
3	Others <ul style="list-style-type: none"> • Travel 3.00L • Training 1.00L • Patenting 3.00L 	7.00L
Total budget for each RC/RG or PDDG faculty group		37.50L

(The above expenditure distribution are suggestive, based upon the need of RC/RG or PDDG there can be variations)

- Format for the submission of RC/RG or PDDG faculty group:
 - i. Name of the RC/RG or PDDG faculty group:
 - ii. Research focus area and field:
(In alignment with the school focus areas/start-ups/Industry)
 - iii. List of Faculty in RC/RG or PDDG faculty group:
 - iv. Total budget required in 2017:
 - v. Details of RC/RG or PDDG faculty group: (to include objectives, key differentiation, collaborative efforts, utilization of national resources, specific outcomes wrt papers, patents, technologies, prototypes/products, students/degrees, etc
 - vi. Biodata of Faculty:

Name and Signature of Faculty coordinator

Date

Call for capacity building projects: 2017-18

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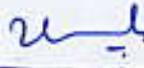

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The KLE Technological University invites the proposals from the faculty for institute funded capacity building projects

- Last date to submit the proposals: 20.04.2017
- Guidelines for capacity building projects
 1. Capacity Building is development of faculty qualifications and orientation, and hard and soft infrastructure to initiate and grow the research activity in an area aligned with school/department focus areas.
 2. Capacity building projects are initiated and funded by the institute to enhance the research activity. Objectives are:
 - To enhance the research capability of the faculty and research center/cluster/group.
 - To provide experience of carrying out the research project.
 - To facilitate the process of applying to external funding agencies.
 3. Maximum funding for each project is 5L, higher than 5L shall be considered based on the merit of the proposal.
 4. Funding includes; (i) capital expenditure like equipment, lab facilities, (ii) recurring expenditure like manpower, travel and consumables.
 - Note: Research project assistants with salary around 5K to 10K per month shall be recruited under capacity building projects up to max period of 11 months. (Look for BE students who are planning to do MS/MTech and have not joined the jobs.)
 5. Format for the submission of capacity building projects:
 - i. Project title:
 - ii. Research focus area and field:
(In alignment with the school focus areas)
 - iii. Duration (in months) :
 - iv. Total cost:
 - v. Name of Investigator/s (PI and Co-PI/s):
 - vi. School/Department/Research cluster(RC)/group:
 - vii. Collaborating departments/RCS if any:
 - viii. Project summary :
(needs to include, what, why and specific outcomes wrt papers, patents, technologies, prototypes/products, students/degrees, etc)
 - ix. Budget estimates :
 - x. Bio-data of investigator/s:

Name and Signature of PI
Date:

Name and Signature of School Head/HOD


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Guidelines for attending and conducting, conferences, FDPs and SDPs

1. Attending Conferences: All the faculty can avail the following facility for presenting a paper at national/international conference.
 - a. Only one registration per paper is permitted.
 - Outside India: Registration + Max of Rs.15,000 for travel (Faculty are encouraged to apply for external funding for travel).
 - Within India: Registration + Travel (II A/C) + Accommodation.
 - b. Faculty are permitted to attend maximum of two conferences in a year.
 - c. Sharing of experience by the faculty with the school/department is necessary.
2. Conducting conferences: The following facility is provided to conduct conferences
 - a. Each school/department can conduct one national / international conference
 - b. Maximum of 4L is provided to conduct National conferences.
 - c. Maximum of 10L is provided to conduct International conferences.
3. Attending Faculty Development Programs (FDPs) and Staff Development Programs (SDPs)
 - a. Each faculty/staff can attend maximum of 2 FDPs/SDPs.
 - b. Registration, travel (II A/C) and accommodation is provided.
4. Conducting Faculty Development Programs (FDPs) and Staff Development Programs (SDPs)
 - a. Each school can conduct maximum of 4 FDPs and 2 SDPs, and department can conduct maximum of 2 FDPs and 1 SDP.
 - b. Maximum of Rs.50,000/ is provided to conduct FDPs/SDPs.
5. Patenting: Depending on the merit of the applications, patent fee and other related fees are permitted.
6. All request letters shall be submitted to Dean R & D, forwarded by school heads/HODs with necessary documents for further processing. The school head/HOD should ensure all criteria are satisfied before forwarding to Dean R&D.

Guidelines for claiming incentives for R&D activities


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Faculty can claim incentives for guiding PhDs, quality paper publications and external research funding

1. Faculty guiding internal Ph. D candidates: KLE Tech University Research supervisors can claim the following:
 - a. Rs. 60,000/- per candidate after the successful completion of the degree of the candidate one year prior to the stipulated period of the university (5 years).
 - b. Rs. 40,000/- per candidate after the successful completion of the degree of the candidate within stipulated period of the university (6 years).
2. External funded project: PI of KLETech university shall claim 5% of the sanctioned amount of the external funded project after the submission of Utilization Certificate (UC).
3. Authors of International Journal paper or book or book chapter shall claim according to the following table after the paper is been published. Also provide the document for impact factor.

S.No	Publication type (Only non-paid journals and Thomson Reuters Impact factor is considered)	Incentive Amount
1	Non paid Journals with Impact factor up to 0.5	Rs. 3,000/-
2	Non paid Journals with Impact factor 0.5 to 1.0	Rs. 5,000/-
3	Non paid Journals with Impact factor 1.01 to 1.5	Rs. 7,000/-
4	Non paid Journals with Impact factor 1.5 and above	Rs.10,000/-
5	Following Journals irrespective of impact factors: ASME, ASCE, ACM, IEEE, Springer, Elsevier, SAE, ASEE	Rs.10,000/-
6	Book/Book chapters with Springer, MGH, Person, CRC press, Oxford University Press, international publishers	Rs.10,000/-

4. All request letters for the incentives of R & D activities shall be submitted to Dean R & D, forwarded by school heads/HODs in the prescribed format with necessary documents for further processing. The school head/HOD should ensure all criteria are satisfied before forwarding to Dean R&D.


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The following are the minutes of the Third Research Council Meeting of KLE Technological University, Hubballi, which was held on 1st September 2018 at 11:30am, at the Senate Hall of the university.

The following Members were Present.

Sr. No	Name	Designation	Position
1.	Dr Ashok Shettar	Vice Chancellor	Chairman
2.	Dr. Madhusudhan Atre	Consultant & Adjunct Professor KLE Tech, Vegashakthi Consultants	Member
3.	Dr. Manjunath D	Prof IIT, Bombay	Member
4.	Dr P G Tewari	Principal BVBCET & Dean Academics, KLE Technological University	Member
5.	Dr. Uma K. Mudenagudi	Dean R & D	Member Secretary

The following members were invited members.

Sl	Name	Designation	Position
6.	Dr B B Kotturshettar	Dean Planning & Development Head School of Mechanical Engineering	Invited Member
7.	Dr. Gopal Joshi	Dean CEER, KLE Technological University	Invited Member
8.	Dr. Sanjay Kotabagi	Dean Student welfare, KLE Technological University	Invited Member

The following members have sought leave of absence:

Sl	Name	Designation	Position
9.	Dr. Venu Gopinathan	Former Director, Kilby Labs, Texas Instruments	Invited Member
10.	Prof B L Desai	Registrar, KLE Technological University	Member

Agenda

Item No.	Particulars	Page No
RC 3.1	To read and confirm the minutes of the previous meeting held on 6 th May 2017	3
RC 3.2	To confirm the action taken report on the minutes of the previous meeting held on 6 th May 2017	4
RC 3.3	To discuss and approve progress of R & D activities <ol style="list-style-type: none"> 1. Budget 2018-19 2. Research promotion schemes: new initiatives 3. Call for Research clusters, groups, product design and development grant, Faculty student startup grant, and Capacity building projects 2018-19 4. Selected list of research clusters, groups, product design and development grant, faculty student startup grant, and capacity building projects 2018-19 5. Revised guidelines for attending and conducting Conferences, Faculty Development Programs (FDPs), Staff Development Programs (SDPs) and claiming incentives for R&D activities 	5
RC 3.4	To discuss the progress of PhD programs at schools, departments and centers. <ol style="list-style-type: none"> 1. To discuss and approve PhD Admissions 2018 2. Review of PhDs admitted <ol style="list-style-type: none"> a. Progress of January 2016 batch of candidates b. Progress of June 2017 batch of candidates 3. To consider change of supervisor and change of admission category 4. To approve registration of PhD after completion of comprehensive exam 	6
RC 3.5	To discuss the progress of research activities at schools, departments and centers at KLE Tech in 2017-18 (Information agenda) <ol style="list-style-type: none"> 1. Summary of KLE Tech PhD programs 2. Summary of VTU PhD programs 3. Summary of publications 4. Summary of received grants 5. Summary of patents 6. Summary of REU 	9
RC 3.6	IP Policy	10
RC 3.7	Any other subject with the permission of the chair	

RC 3.1	To read and confirm the minutes of the previous meeting held on 6th May 2017
RC 2.1	To read and confirm the minutes of the previous meeting held on 13 th May 2016 Resolution: Read & confirmed the minutes of the previous meeting held on 13 th May 2016
RC 2.2	To confirm the action taken report on the minutes of the previous meeting held on 13 th May 2016 Resolution: Resolved to confirm the action taken report on the minutes of the previous meeting held on 13 th May 2016. <ul style="list-style-type: none"> • Objectives of Research Council • Ph.D. regulations • Research plans at Schools, Departments, Clusters and Centers
RC 2.3	To discuss and approve strategic plan of R & D activities Resolution: Resolved to approve the strategic plan of R & D activities of KLE Technological University.
RC 2.4	To discuss and approve initiatives to promote R & D activities <ol style="list-style-type: none"> 1. Budget note 2017 2. Call for Research clusters/groups and Product Design and Development Grant: (PDDG) 2017-18 3. Call for capacity building projects 4. Guidelines for attending and conducting Conferences, Faculty Development Programs (FDPs) and Staff Development Programs (SDPs) 5. Guidelines for claiming incentives for R&D activities Resolution: Resolved to approve the following: <ol style="list-style-type: none"> 1. Initiatives to promote R & D activities for the year 2017-18: <ol style="list-style-type: none"> a. Allocation of budget for R & D activities for the year 2017-18. b. Research funding for activities of Research clusters/groups and Product Design and Development Grants (PDDG) 2017-18 c. Research funding for capacity building projects 2017-18 d. Guidelines for attending and conducting Conferences, Faculty Development Programs (FDPs) and Staff Development Program: (SDPs) e. Guidelines for claiming incentives for R&D activities 2. Resolved to consider the suggestions made by Prof. Manjunath during the call for research proposals in the next phase

	3. Also resolved to consider the suggestions made by Prof. Manjunath to constitute the incentive review committee to review and award financial incentives for R & D activities of 2017-18
RC 2.5	<p>To discuss the progress of PhD programs at schools and departments</p> <p>Resolution: Research council reviewed the progress of PhD programs at schools and departments and approved the following:</p> <ol style="list-style-type: none"> 1. Results of course work of Jan 2016 batch of research scholars are reviewed and approved. 2. List of MOOC and seminar courses offered is reviewed and approved. 3. List of eligible research scholars for comprehensive examination is reviewed and approved. 4. RPC recommendations for Change of supervisor of Ph.D Scholar Mrs. Leena V Hublikar, Department of Chemistry, is reviewed and approved. 5. Research Council recommended to seek the following information from the part-time research scholars: <ol style="list-style-type: none"> a. Willingness to spend 2 days/week to contribute towards their research work. b. No Objection Certificate (NOC) from the employer.
RC 2.6	<p>(Information agenda) To discuss the progress of research activities at schools departments and centers (KLETech + BVBCET)</p> <ol style="list-style-type: none"> 1. Summary of VTU PhD programs 2. Summary of publications 3. Summary of institute funded capacity building projects 4. Summary of REU <p>Resolution: Noted</p>
RC 2.7	Any other subject with the permission of the chair

Action Requested: To confirm the minutes of the previous meeting held on 6th May 2017

Discussion:

Resolution: The minutes of the Second research council meeting held on 6th May 2017 were read and confirmed

RC 3.2	To confirm the action taken report on the minutes of the previous meeting held on 6th May 2017	
Item No.	Description	Action Taken
RC 2.1:	<p>To read and confirm the minutes of the previous meeting held on 13th May 2016</p> <p>Resolution: Read & confirmed the minutes of the previous meeting held on 13th May 2016</p>	Noted
RC 2.2:	<p>To confirm the action taken report on the minutes of the previous meeting held on 13th May 2016</p> <p>Resolution: Resolved to confirm the action taken report on the minutes of the previous meeting held on 13th May 2016.</p> <ul style="list-style-type: none"> • Objectives of Research Council • PhD regulations • Research plans at Schools, Departments, Clusters and Centers 	PhD admissions and progress as per the approved regulations. Schools, Departments, clusters and centers are working as per the approved research plans
RC 2.3	<p>To discuss and approve strategic plan of R & D activities</p> <p>Resolution: Resolved to approve the strategic plan of R & D activities of KLE Technological University.</p>	R & D activities are happening as per the approved strategic plan
RC 2.4	<p>To discuss and approve initiatives to promote R & D activities</p> <ol style="list-style-type: none"> 1. Budget note 2017 2. Call for Research clusters/groups and Product Design and Development Grants (PDDG) 2017-18 3. Call for capacity building projects 4. Guidelines for attending and conducting Conferences, Faculty Development Programs (FDPs) and Staff Development Programs (SDPs) 5. Guidelines for claiming incentives for R&D activities <p>Resolution: Resolved to approve the following:</p> <ol style="list-style-type: none"> 1. Initiatives to promote R & D activities for the year 2017-18: <ol style="list-style-type: none"> a. Allocation of budget for R & D activities for the year 2017-18. 	<ol style="list-style-type: none"> 1. Research groups and capacity building projects are funded as per the approved guidelines. 2. As per the resolution Incentive committee is formed and two meetings are held to provide incentives. 3. Suggestions are included in the present call for proposals.

	<ul style="list-style-type: none"> b. Research funding for activities of Research clusters/groups and Product Design and Development Grants (PDDG) 2017-18 c. Research funding for capacity building projects 2017-18 d. Guidelines for attending and conducting Conferences, Faculty Development Programs (FDPs) and Staff Development Programs (SDPs) e. Guidelines for claiming incentives for R&D activities <ol style="list-style-type: none"> 2. Resolved to consider the suggestions made by Prof. Manjunath during the call for research proposals in the next phase 3. Also resolved to consider the suggestions made by Prof. Manjunath to constitute the incentive review committee to review and award financial incentives for R & D activities of 2017-18 	
RC 2.5	<p>To discuss the progress of PhD programs at schools and departments</p> <p>Resolution: Research council reviewed the progress of PhD programs at schools and departments and approved the following:</p> <ol style="list-style-type: none"> 6. Results of course work of Jan 2016 batch of research scholars are reviewed and approved. 7. List of MOOC and seminar courses offered is reviewed and approved. 8. List of eligible research scholars for comprehensive examination is reviewed and approved. 9. RPC recommendations for Change of supervisor of Ph.D Scholar Mrs. Leena V. Hublikar, Department of Chemistry, is reviewed and approved. 10. Research Council recommended to seek the following information from the part-time research scholars: <ul style="list-style-type: none"> a. Willingness to spend 2 days/week to contribute towards their research work. b. No Objection Certificate (NOC) from the employer. 	<ol style="list-style-type: none"> 1. All admitted PhD students have submitted the NOC from the employer to work 60 days in year, after completing the coursework as per the EC resolution 5.5 held on 20 September 2017 and minutes of which were confirmed during 6th EC meeting held on 15th March 2018. 2. MOOC and seminar courses are reviewed and approved by RPC

RC 2.6	<p>To discuss the progress of research activities at schools, departments and centers (KLETech + BVBCET) (Information agenda)</p> <ol style="list-style-type: none"> 1. Summary of VTU PhD programs 2. Summary of publications 3. Summary of institute funded capacity building projects 4. Summary of REU <p>Resolution: Noted</p>	Noted
RC 2.7	Any other subject with the permission of the chair	

Action Requested: The Research Council is requested to confirm the action taken report on the minutes of the previous meeting held on 6th May 2107

Discussion:

Resolution: Resolved to confirm the action taken report on the minutes of the Second Research Council meeting held on 6th May 2017 at KLE Tech University Hubballi.

RC 3.3	To discuss and approve progress of R & D activities
	<p>In accordance with the strategic plan of the university, following R & D activities are presented.</p> <ol style="list-style-type: none"> 1. Budget 2018-19 2. Research promotion schemes with new initiatives 3. Call for research clusters, groups, product design and development grant, faculty student startup grant, and capacity building projects 2018-19 4. Selected list of research clusters, groups, product design and development grant, faculty student startup grant, and capacity building projects 2018-19 5. Revised guidelines for attending and conducting Conferences, Faculty Development Programs (FDPs), Staff Development Programs (SDPs) and claiming incentives for R&D activities

The details of the budget utilized in 2017-18 and sanctioned in 2018-19 are presented. The summary of new R & D initiatives and selected proposals in 2018-19 are provided. Revised guidelines for incentives are presented.

Action Requested: The Research Council is requested to discuss and approve the progress of R & D activities of KLE Technological University for the year 2018-19.

Discussion: Participating in the discussion, Prof. Manjunath and Dr. Atre suggested the following:

- To constitute a committee to evaluate the quality of research to look into the issues: standard quality control, -ve incentives, Measures to avoid in-breeding in research.
- To include source of all incomes other than KLE Tech grant for R & D activities like TEQIP and external grants in the budget.
- Asked the sample copy of RC, RG and capacity building proposals: Dean R & D provided the sample copies of these proposals.
- Appreciated awarding credits to the students who are engaged in research projects under Institute research projects (IRPs).
- Suggested to provide details of the International workshop on "Advances in Wireless Communication" on 21st July 2018, which was conducted by inviting the speakers of SPCOM-2018 at KLE Tech, on the website.
- To provide list of research proposals applied for funding in 2017-18.
- To provide the details of incentives given to the faculty for the year 2017-18: given in Table .
- 2-3 words to be added with the name of RC, RG to capture the focus of the group.
- To collaborate with external agencies like CFTRI and DFRL for research group from BT dept.
- To initiate research groups in the area of electrical distributions.

Resolution: Resolved to approve the following:

1. To constitute a committee with external experts and internal members to assess and improve the quality of research.
2. Budget for the year 2018-19:
 - a. Allocation of budget for R & D activities for the year 2018-19.
 - b. Research funding for activities of Research clusters/groups and Product Design and Development Grants (PDDG), Faculty start-up student grant (FSSG) 2018-19.
 - c. Research funding for capacity building projects 2018-19.

- d. Guidelines for attending and conducting Conferences, Faculty Development Programs (FDPs) and Staff Development Programs (SDPs).
 - e. Revised guidelines for claiming incentives for R&D activities.
3. Resolved to consider the suggestion of addition of 2-3 words in the name of RC, RG to capture the focus during the call for research proposals in the next phase.
 4. Also resolved to provide the list of research proposals applied for funding in 2017-18.
 5. Resolved to consider collaboration and new areas during the discussions of RPC.

RC 3.4	To discuss the progress of PhD programs at schools, departments and centers
	<p>Progress of PhD programs for the year 2018-19 is presented and it includes:</p> <ol style="list-style-type: none"> 1. To discuss and approve PhD Admissions 2018 2. Review of PhDs admitted <ol style="list-style-type: none"> a. Progress of January 2016 batch of candidates is presented b. Progress of June 2017 batch of candidates is presented 3. To consider change of supervisor and change of admission category 4. To approve registration of PhD after completion of comprehensive exam

Action Requested: The Research Council is requested to discuss and approve the progress of PhD candidates for the year 2017-18.

Discussion: Participating in the discussion, Prof. Manjunath and Dr. Atre suggested the following:

- To form a committee to take necessary steps to improve research.
- University should discourage publication of papers without impact factor.
- To conduct research audit of the schools/departments/centers.
- Action taken report on the suggestions of RRC/SRC to be submitted to RPC.
- To sustain research funding, collaborate with Government to solve local problems.

Resolution: Research council reviewed the progress of PhD programs at schools and departments and approved the following:

1. To form a committee to take necessary steps to improve research and quality
2. To make our presence felt in flagship events like conferences (NCC, SPCOM, HPCOM, NCVPRIPG, ICVGIP, VDAT etc)
3. To conduct research audit from a committee including external experts from different areas.
4. To provide mechanisms to assess the quality of research.
5. Results of course work of Jan 2016 batch of research scholars.
6. List of eligible research scholars of Jan 2016 batch for comprehensive examination.
7. List of MOOC and seminar courses offered to 2016 and 2017 batch.
8. RC approves the RPC recommendations as per SRC suggestions for **Change of supervisor of Mr. Vinayak Shankar Bhat (2017)(SRN: 01PS17RPH003) and Ph.D Scholar Mr. Devaraj Talkallu (2016) (01PS16RPH001), Department of Physics.**
9. **Change of admission category of Mr. Akshay Kulkarni: (SRN:01PS16RCH001), Department of Chemistry, Supervisor Dr. Sajjan, from part-time to full-time, after taking the undertaking from the candidate that the candidate is not employed in any of the organization on a part time / full time basis and ready to attend the research work on all working days on full time basis.**
10. **Registration of PhD of Smt. Anushree D Kini , (SRN: 01FM16RBA001), SMSR, Supervisor Dr. S. V Patil, after completion of comprehensive exam.**

RC 3.5	To discuss the progress of research activities at schools departments and centers at KLE Tech in 2017-18 (Information agenda)
	Summary of progress of research activities at schools departments, clusters and centers presented (Information) <ol style="list-style-type: none"> 1. Summary of KLE Tech PhD programs 2. Summary of VTU PhD programs

	3. Summary of publications 4. Summary of external grants 5. Summary of Patents 6. Summary of REU
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Discussions:

RC 3.6	IP Policy of KLE Tech

Discussions: Members suggested that the draft IP policy to be shared with the members and they shall provide the inputs through mail.

Resolution: The IP policy of the university to be approved after the discussions.

RC 3.7	Any other subject with the permission of the chair

Discussions: With the permission of the chair, the members discussed regarding productivity index of the university and compare the university progress with potential competitor and reference institutes.

Resolution:

Minutes of
Fourth Research Council Meeting
of
KLE Technological University,

Hubballi, Karnataka

October 26, 2019

Time: 10.00 am to 1.30 pm

Venue: Senate Hall of KLE Technological University



KLE Technological
University

Creating Value
Leveraging Knowledge

KLE Technological University
(Established under Karnataka Act No.22, 2013)


DEAN (R & D)
KLE Technological University
HUBBALLI-580 031.


VICE CHANCELLOR
KLE Technological University
HUBBALLI-580 031. India

The following are the minutes of the Fourth Research Council Meeting of KLE Technological University, Hubballi, which was held on 26th October 2019 at 10.00 am, at the Senate Hall of KLE Technological University, Hubballi.

The following Members were Present.

Sr. No	Name	Designation
1.	Dr Ashok Shettar	Vice Chancellor
2.	Dr. Madhusudhan Atre	Consultant & Adjunct Professor KLE Tech, Vegashakthi Consultants
3.	Dr. Manjunath D	Prof IIT, Bombay
4.	Dr P G Tewari	Principal BVBCET & Dean Academics, KLE Technological University
5.	Dr. N H Ayachit	Registrar, KLE Technological University
6.	Dr. Uma K. Mudenagudi	Dean R & D

The following members were invited members.

SL	Name	Designation
1	Prof B L Desai	Executive Dean
2	Dr B B Kotturshettar	Dean Planning & Development Head School of Mechanical Engineering
3	Dr. Gopal Joshi	Dean CEER, KLE Technological University
4	Dr. Sanjay Kotabagi	Dean Student welfare, KLE Technological University

The following members have sought leave of absence:

SL	Name	Designation
1	Dr. Venu Gopinathan	Former Director, Kilby Labs, Texas Instruments
2	Dr. Badrinath Ramamurthy	Principal Engineer, Ericsson Research Bangalore

(Signature)
VICE CHANCELLOR
KLE Technological University
HUBBALLI-580 027

DEAN (R & D)
KLE Technological University
HUBBALLI-580 027

Agenda

Item No.	Particulars	Page No
RC 4.1	To read and confirm the minutes of the Third Research Council meeting held on 1 st September 2018	3
RC 4.2	To confirm the action taken report on the minutes of the Third Research Council meeting held on 1 st September 2018	6
RC 4.3	To discuss the progress of PhD programs and summary of research output, at schools/ departments /centers at KLE Tech in 2018-19. (Information agenda)	10
RC 4.4	To discuss and approve activities initiated in 2018-19 to implement the research strategy of the University. 1. Activities initiated to implement research strategy: OKR method 2. Research Conclave and Research Colloquia 3. Professor of Research and Practice	13
RC 4.5	To discuss and approve research promotion schemes (continued) and new proposals in 2019-20	15
RC 4.6	To discuss and approve revised guidelines for the financial assistance to faculty and students to present papers at conferences outside India.	18
RC 4.7	To discuss and approve Consultancy Policy of the University	19
RC 4.8	To discuss and approve revised guidelines for PhD programs	20
RC 4.9	Any other subject with the permission of the chair	21

RC 4.1	To read and confirm the minutes of the Third Research Council meeting held September 2018
RC 3.1	To read and confirm the minutes of the previous meeting held on 6 th May 2017. Resolution 3.1: The minutes of the Second Research Council meeting held on 6 th May 2017 were read and confirmed.
RC 3.2	To confirm the action taken report on the minutes of the previous meeting held on 6 th May 2017 Resolution 3.2: Resolved to confirm the action taken report on the minutes of the Research Council meeting held on 6 th May 2017 at KLE Tech University Hubballi.
RC 3.3	<p>To discuss and approve progress of R & D activities</p> <ol style="list-style-type: none"> 1. Budget 2018-19 2. Research promotion schemes: new initiatives 3. Call for Research clusters, groups, product design and development grant, Faculty student startup grant, and Capacity building projects 2018-19 4. Selected list of research clusters, groups, product design and development grant, Faculty student startup grant, and capacity building projects 2018-19 5. Revised guidelines for attending and conducting Conferences, Faculty Development Programs (FDPs), Staff Development Programs (SDPs) and claiming incentives for R&D activities <p>Discussions 3.3: Participating in the discussion, Prof. Manjunath and Dr. Atre suggested the following:</p> <ul style="list-style-type: none"> • To constitute a committee to evaluate the quality of research to look into the standard quality control, negative incentives, Measures to avoid in-breeding research. • To include source of all incomes other than KLE Tech grant for R & D activities, TEQIP and external grants in the budget. • Asked the sample copy of RC, RG and capacity building proposals: Dean provided the sample copies of these proposals. • Appreciated awarding credits to the students who are engaged in research projects under Institute research projects (IRPs). • To provide list of research proposals applied for funding • To provide the details of incentives given to the faculty for the year <p>Resolution 3.3: Resolved to approve the following:</p> <ol style="list-style-type: none"> 1. To constitute a committee with external experts and internal members to evaluate and improve the quality of research. 2. Budget for the year 2018-19: <ol style="list-style-type: none"> a. Allocation of budget for R & D activities for the year 2018-19. b. Research funding for activities of Research clusters/groups and Product Design and Development Grants (PDDG), Faculty start-up student grant (FSSG) 2018-19. c. Research funding for capacity building projects 2018-19. d. Guidelines for attending and conducting Conferences, Faculty Development Programs (FDPs) and Staff Development Programs (SDPs) e. Revised guidelines for claiming incentives for R&D activities.

	<ol style="list-style-type: none"> 3. Resolved to consider the suggestion of addition of 2-3 words in the name of RC, RG to capture the focus during the call for research proposals in the next phase. 4. Also resolved to provide the list of research proposals applied for funding in 2017-18. 5. Resolved to consider collaboration and new areas during the discussions of RPC.
RC 3.4	<p>To discuss the progress of PhD programs at schools, departments and centers.</p> <ol style="list-style-type: none"> 1. To discuss and approve PhD Admissions 2018 2. Review of PhDs admitted <ol style="list-style-type: none"> a. Progress of January 2016 batch of candidates b. Progress of June 2017 batch of candidates 3. To consider change of supervisor and change of admission category 4. To approve registration of PhD after completion of comprehensive exam <p>Discussion 3.4: Participating in the discussion, Prof. Manjunath and Dr. Atre suggested the following:</p> <ul style="list-style-type: none"> • To form a committee to take necessary steps to improve research. • University should discourage publication of papers without impact factor. • To conduct research audit of the schools/departments/centers. • Action taken report on the suggestions of RRC/SRC to be submitted to RPC. • To sustain research funding, collaborate with Government to solve local problems. <p>Resolution 3.4: Research council reviewed the progress of PhD programs at schools and departments and approved the following:</p> <ol style="list-style-type: none"> 1. To form a committee to take necessary steps to improve research and quality 2. To make our presence felt in flagship events like conferences (NCC, SPCOM, HPCOM, NCVPRIPG, ICVGIP, VDAT etc) 3. To conduct research audit from a committee including external experts from different areas. 4. To provide mechanisms to assess the quality of research. 5. Results of course work of Jan 2016 batch of research scholars. 6. List of eligible research scholars of Jan 2016 batch for comprehensive examination. 7. List of MOOC and seminar courses offered to 2016 and 2017 batch. 8. RC approves the RPC recommendations as per SRC suggestions for Change of supervisor of Mr. Vinayak Shankar Bhat (2017)(SRN: 01PS17RPH003) and Ph.D Scholar Mr. Devaraj Talkallu (2016) (01PS16RPH001), Department of Physics. 9. Change of admission category of Mr. Akshay Kulkarni: (SRN:01PS16RCH001), Department of Chemistry, Supervisor Dr. Sajjan, from part-time to full-time, after taking the undertaking from the candidate that the candidate is not employed in any of the organization on a part time / full time basis and ready to attend the research work on all working days on full time basis. 10. Registration of PhD of Smt. Anushree D Kini , (SRN: 01FM16RBA001), SMSR, Supervisor Dr. S. V Patil, after completion of comprehensive exam.
RC 3.5	<p>To discuss the progress of research activities at schools, departments and centers at KLE Tech in 2017-18 (Information agenda)</p> <ol style="list-style-type: none"> 1. Summary of KLE Tech PhD programs 2. Summary of VTU PhD programs 3. Summary of publications

	<ul style="list-style-type: none"> 4. Summary of received grants 5. Summary of patents 6. Summary of REU <p>Resolution 3.5: Noted</p>
RC 3.6	<p>IP Policy</p> <p>Resolution 3.6: The IP policy of the University to be approved after the discussion</p>
RC 3.7	<p>Any other subject with the permission of the chair</p> <p>Discussions: Productivity index of the university and compare the university prog potential competitor and reference institutes.</p>

Action Requested: Research Council is requested to confirm the minutes of the Third Research meeting held on September 1, 2018.

Discussion 4.1:

Resolution 4.1: The minutes of the Third Research Council meeting held on September 1, 2018 read and confirmed.

RC 4.2	To confirm the action taken report on the minutes of the Third Research Council meeting held on 1 st September 2018	
No.	Description	Action Taken
RC 3.1:	To read and confirm the minutes of the previous meeting held on 6 th May 2017. Resolution 3.1: The minutes of the Second Research Council meeting held on 6 th May 2017 were read and confirmed.	Noted
RC 3.2:	To confirm the action taken report on the minutes of the previous meeting held on 6 th May 2017 Resolution 3.2: Resolved to confirm the action taken report on the minutes of the Second Research Council meeting held on 6 th May 2017 at KLE Tech University Hubballi.	The Research Council noted and approved the action taken report on the minutes of the 2 nd Research Council held on 6 th May 2017.
RC 3.3	<p>To discuss and approve progress of R & D activities:</p> <ol style="list-style-type: none"> 1. Budget 2018-19 2. Research promotion schemes: new initiatives 3. Call for Research clusters, groups, product design and development grant, Faculty student startup grant, and Capacity building projects 2018-19 4. Selected list of research clusters, groups, product design and development grant, faculty student startup grant, and capacity building projects 2018-19 5. Revised guidelines for attending and conducting Conferences, Faculty Development Programs (FDPs), Staff Development Programs (SDPs) and claiming incentives for R&D activities. <p>Discussions 3.3: Participating in the discussion, Prof. Manjunath and Dr. Atre suggested the following:</p> <ul style="list-style-type: none"> • To constitute a committee to evaluate the quality of research to look into the issues: standard quality control, -ve incentives, Measures to avoid in-breeding in research. • To include source of all incomes other than KLE Tech grant for R & D activities like TEQIP and external grants in the budget. • Asked the sample copy of RC, RG and capacity building proposals: Dean R & D provided the sample copies of these proposals. • Appreciated awarding credits to the students who are engaged in research projects under Institute research projects (IRPs). • To provide list of research proposals applied for funding • To provide the details of incentives given to the faculty for the year <p>Resolution 3.3: Resolved to approve the following:</p> <ol style="list-style-type: none"> 1. To constitute a committee with external experts and internal members to assess and improve the quality of research. 2. Budget for the year 2018-19: <ol style="list-style-type: none"> a. Allocation of budget for R & D activities for the year from all sources. b. Research funding for activities of Research clusters/groups and Product Design and Development Grants (PDDG), Faculty start-up student grant (FSSG) 2018-19. c. Research funding for capacity building projects 2018-19. 	<ol style="list-style-type: none"> 1. Committees have been constituted and following actions are initiated; (i) guidelines for research conclave and colloquia are framed and Schools/ departments are conducting research colloquia during the month's of Oct & Nov 2019. ii) formats for Research Paths for different category of faculty have been formulated and they are reviewed, (iii) REEF course is made compulsory for all PhD scholars (KLE Tech faculty) (iv) Internal committee reviewed the research problem of research scholars 2. a. R & D budget from all the different sources are included in the budget utilization 2018-19. b. Different research promotion schemes are funded as per the Guidelines. 3. The suggestions are incorporated in the titles for the year 2019-20. 4. List of applied projects in 2018-19 are included in the agenda RC 4.3 5. Possibilities of new areas are discussed in RPC. Areas such as Embedded Intelligent Systems, for

	<p>d. Guidelines for attending and conducting Conferences, Faculty Development Programs (FDPs) and Staff Development Programs (SDPs).</p> <p>e. Revised guidelines for claiming incentives for R&D activities.</p> <p>3. Resolved to consider the suggestion of addition of 2-3 words in the name of RC, RG to capture the focus during the call for research proposals in the next phase.</p> <p>4. Also resolved to provide the list of research proposals applied for funding.</p> <p>5. Resolved to consider collaboration and new areas during the discussions of RPC.</p>	<p>CSE, ECE and Mechanical area as elective Collaboration Samsung for He area is initiating projects (CSE, and Mech).</p>
RC 3.4	<p>To discuss the progress of PhD programs at schools, departments and centers.</p> <ol style="list-style-type: none"> To discuss and approve PhD Admissions 2018 Review of PhDs admitted <ol style="list-style-type: none"> Progress of January 2016 batch of candidates Progress of June 2017 batch of candidates To consider change of supervisor and change of admission category To approve registration of PhD after completion of comprehensive exam <p>Discussion 3.4: Participating in the discussion, Prof. Manjunath and Dr. Atre suggested the following:</p> <ul style="list-style-type: none"> To form a committee to take necessary steps to improve research. University should discourage publication of papers without impact factor. To conduct research audit of the schools/departments/centers. Action taken report on the suggestions of RRC/SRC to be submitted to RPC. To sustain research funding, collaborate with Government to solve local problems. <p>Resolution 3.4: Research council reviewed the progress of PhD programs at schools and departments and approved the following:</p> <ol style="list-style-type: none"> To form a committee to take necessary steps to improve research and quality To make our presence felt in flagship events like conferences (NCC, SPCOM, HPCOM, NCVPRIPG, ICVGIP, VDAT etc) To conduct research audit from a committee including external experts from different areas. To provide mechanisms to assess the quality of research Results of course work of Jan 2016 batch of research scholars. List of eligible research scholars of Jan 2016 batch for comprehensive examination. List of MOOC and seminar courses offered to 2016 and 2017 batch. RC approves the RPC recommendations as per SRC suggestions for Change of supervisor of Mr. Vinayak Shankar Bhat (2017)(SRN: 01PS17RPH003) and Ph.D Scholar Mr. Devaraj Talkallu (2016) (01PS16RPH001), Department of Physics. 	<ol style="list-style-type: none"> As specified in taken 3.3.1 Faculty are deputed to the specified centers External review committee is formed as part of research colloquia. As specified in taken 3.3.1, guidelines for faculty colloquia in different areas at the schools/departments faculty conclave framed Research scholars continuing as per course work results 2016, 2017 and 2018 List is presented List of MOOC courses presented 9,10: As per the recommendations research scholars continuing.

	<p>9. Change of admission category of Mr. Akshay Kulkarni: (SRN:01PS16RCH001), Department of Chemistry, Supervisor Dr. Sajjan, from part-time to full-time, after taking the undertaking from the candidate that the candidate is not employed in any of the organization on a part time / full time basis and ready to attend the research work on all working days on full time basis.</p> <p>10. Registration of PhD of Smt. Anushree D Kini , (SRN: 01FM16RBA001), SMSR, Supervisor Dr. S. V Patil, after completion of comprehensive exam.</p>	
RC 3.5	<p>To discuss the progress of research activities at schools, departments and centers at KLE Tech in 2017-18 (Information agenda)</p> <ol style="list-style-type: none"> 1. Summary of KLE Tech PhD programs 2. Summary of VTU PhD programs 3. Summary of publications 4. Summary of received grants 5. Summary of patents 6. Summary of REU <p>Resolution 3.5: Noted</p>	Noted
RC 3.6	<p>IP Policy</p> <p>Resolution 3.6: The IP policy of the university to be approved after the discussions.</p>	Based on the inputs given by 7th EC held on September 20, 2018 and 10th BOG held on December 9, 2018, IP policy has been finalized
RC 3.7	<p>Any other subject with the permission of the chair</p> <p>Discussions: Productivity index of the University and compare the University progress with potential competitor and reference institutes.</p>	Finalization of productivity index is difficult other than NIRF ranking since no institute keeps the data open

Action Requested: Research Council is requested to confirm the action taken report on the minutes of Third Research Council held on 1st September 2018.

Discussion 4.2: Dean R & D presented the action taken report on the Third Research Council meeting held on September 1, 2018.

Resolution 4.2: Resolved to confirm the action taken report on the minutes of the Third Research Council meeting held on 1st September 2018 at KLE Tech University Hubballi.

RC 4.3	<p>To discuss the progress of PhD programs and summary of research departments /centers at KLE Tech in 2018-19</p> <p>PhD programs were started in the year 2016 and so far 3 batches of admitted. The progress of PhD programs and research output at School Centers will be presented by the Dean (R&D). The presentation will cover</p> <ol style="list-style-type: none"> 1. Progress of KLE Tech PhD scholars admitted in 2016, 2017, 2018 2. Summary of publications 3. Summary of applied and received external grants, and patents 4. Summary of REU
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Dean R & D, Member secretary of Research Council presented the summary and research output of schools/departments.

Summary of KLE Tech PhD programs: KLE Tech University has 12 schools/ departments offering doctoral degree. Currently 79 registered supervisors are guiding 80 scholars. There are 39 KLE Tech faculty registered for PhD. PhD scholar admitted students have completed comprehensive exam and other 23 PhD scholars have extension of time for the comprehensive exam. PhD scholars admitted in 2017, have completed the course work are eligible for comprehensive exam. Remaining have requested for the extension of course work completion. Dean R & D also Recommendations of RPC.

Summary of research output: Dean R & D presented the publications, grants, R the year 2018-19.

Action Requested: The Research Council is requested to discuss the progress of and summary of research output, at schools/ departments /centers at KLE Tech

Discussion 4.3: Committee went through the detailed presentation given by regarding the progress of research scholars admitted during 2016, 2017 and 2018 output. Members discussed the progress in detail and made the following suggestions

1. Maximum number of PhD students to be allotted to a supervisor is 5.
2. To keep average number of PhD students admitted per year as 20.
3. In light of many PhD candidates not completing their comprehensive exam suggested to issue notices to PhD scholars.
4. Regarding grant proposals, members suggested to provide details of number rejected, number of PIs and amount sanctioned.

Resolution 4.3:

1. Resolved to recommend a limit of 5 PhD students per supervisor.
2. Resolved to ratify the action taken by the Registrar to serve the notice to candidates admitted in 2016 who have not completed the comprehensive exam per the recommendations of RPC and approval of the Vice Chancellor.
3. Resolved to give extension till Jan 2020 to such PhD students of 2016, who have completed comprehensive viva in case if the candidate requests.
4. Resolved to give extension till Jan 2020 to such PhD students of 2017, who have completed course work if the candidate requests.
5. Resolved to approve the recommendations of RPC for (i) Cancellation, (ii) Transfer of PhD candidates, (iii) Change of supervisor, (iii) Change of course

RC 4.4	To discuss and approve activities initiated in 2018-19 to implement the research strategy of the university.
	<p>To implement the research strategy and promote research culture of the University, Objectives and Key Results (OKR), method is selected as an management framework during Nov 2018 to March 2019. OKRs for Dean R &D, Heads of School/Department/Center and research paths for different category of faculty are discussed and finalized, and are presented.</p> <ol style="list-style-type: none"> 1. Activities initiated to implement research strategy: OKR method <ol style="list-style-type: none"> a. OKR for Dean R & D and HoDs b. Research Paths for different category of faculty c. Research Experience for Evolving Faculty (REEF) 2. Research Conclave and Research Colloquia 3. Professor of Research and Practice (PRP)

Dean R & D presented a brief report of the OKR implementation strategy at the University. The acronym OKR stands for Objectives and Key Results, a popular goal management framework that helps to implement strategy. Dean R & D also presented the details of research colloquia. Members discussed initiative of appointing **Professor of Research and Practice**. Guidelines for Professor of Research and Practice are also presented.

Action Requested: The Research Council is requested to discuss and approve the activities initiated in 2018-19 to implement the research strategy of the University.

Discussion 4.4: Members appreciated the OKR method and detail discussions were carried out regarding the conduct of research colloquia at different schools/departments. Members made the following comments/suggestions.

1. Present top k performing faculty with respect to hindex in the next meeting.
2. To have Gini index for the faculty.
3. To have external review of the proposals submitted by the ERGs and also SRGs as mentors.
4. Ability to guide PhD is to be associated with quality of publications and suggested to have 3 good publications outside their PhD before taking any PhD students.
5. Department colloquium/research-review may also be used to advertise the activities to the department students; stagger the dates of the verticals and have the external experts who are reviewing the progress of the research scholars.
6. Invited experts should be requested to summarize and brief their feedback at the end of the review to the department head.
7. To look for PRP (2-5 in 2019-20) from industry and Adjunct faculty from Academia. (look at DRDO, NAL, GE, ISRO, MSR, HAL, IBM for Mechanical stream)
8. To take help of PRP to write external proposals.

Resolution 4.4:

1. Resolved to have 3 components during the research colloquium of School/Departement, Viz. (i) Research reviews of faculty by external experts, (ii) talk by experts on research directions, (iii) review summary and comments by external experts to Head of the School/Dept.

RC 4.5	<p>To discuss and approve research promotion schemes (continued) and new proposals in 2019-20</p> <p>Research promotion schemes are formulated in the first Research Council meeting in 2016 and revised in second and third meetings. In continuation, budget for R &D, continued research promotion schemes, new proposals and selected proposals for the year 2019-20 are presented.</p> <ol style="list-style-type: none"> 1. Budget 2019-20 2. Research promotion schemes with new initiatives and new groups 2019-20 3. Selected and sanctioned list of research clusters, groups, product design and development grant, faculty student start-up grant, and capacity building projects 2019-20
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Dean R & D presented Budget for the year 2019-20. She also presented different research promotion schemes which were continued and new initiatives in 2019-20.

Action Requested: The Research Council is requested to discuss and approve the research promotion schemes (continued) and new proposals in 2019-20.

Discussion 4.5: Committee went through the details of sanctioned research promotion schemes in different category and made the following comments and suggestions.

1. Appreciated the different research promotion schemes and new additions.
2. Appreciated the credits given to Institutional Research Projects (IRPs), Institution sponsored projects (ISPs) and Sponsored research projects (SRPs).

Resolution 4.5: Resolved to approve;

1. Proposed research promotion schemes for the year 2019-20.
2. Research proposals under the promotion schemes for the year 2019-20.
 - a. Capacity building projects – 12 proposals with a grant of Rs. 29.26L (Annexure-4.5).
 - b. Research groups - 7 RGs and 1 RC proposals with a grant of Rs. 131.90L (Annexure-4.5).
 - c. Product design and development grant: 2 PDDG and 2 Faculty Student Start-up grant (FSSG) with a fund of Rs. 22.25L (Annexure-4.5).

RC 4.6	To discuss and approve Revised guidelines for the financial assistance to faculty and students to present papers at conferences outside India.
	Guidelines for R & D activities are formulated in the first Research Council meeting in 2016 and are revised in the second and third meetings. The guidelines for the financial assistance to present papers at conferences outside India are revised for the year 2019-20 and are presented.

Dean R & D presented the revised guidelines for the financial assistance to faculty and students to present papers at conferences outside India.

Action Requested: The Research Council is requested to discuss and approve Revised guidelines for the financial assistance to faculty and students to present papers at conferences outside India.

Discussion 4.6: Research Council discussed the details of the financial assistance to present papers at conferences outside India. The members appreciated the scheme.

Resolution 4.6: Resolved to approve the revised guidelines for the financial assistance to faculty and students to present papers at conferences outside India. (Annexure 4.6).

RC 4.7	To discuss and approve Consultancy Policy of the University.
	To develop outreach activity, the consultancy is one of the activity. In this regard the guideline for consultancy work is presented.

The guidelines are framed for three type of consultancy work carried in the University. They are:
Category I: Here faculty / staff use the University infrastructure like building, electricity, water etc along with materials for testing, prototyping, material preparation etc .

Category II: Here faculty / staff use the University infrastructure like building, electricity, water etc only.

Category III: Here faculty visits outside, use the intellectual developments in the Institution and gets a duty leave.

The details of share for three category are summarised as:

Category / party	Category I*	Category II **	Category III
Institution	50%	30%	20%
Faculty/ Staff*	43%	60%	70%
Head of the Institution, Head of Department /School & office staff*	7%	10%	10%
* The internal distribution shall depend on the project and agreement on case by case basis. ** In special cases the share may be different depending upon the agreement			

Action Requested: The Research Council is requested to discuss and approve Consultancy Policy of the university.

Discussion 4.7: Dean R & D presented the consultancy policy of the university. Members suggested to make changes in the consultancy policy and asked to name the third category as 'Administrative costs'.

Resolution 4.7: Resolved to approve the following consultancy policy after making the suggested changes to include administrative costs.

Category / party	Category I*	Category II **	Category III
Institution	50%	30%	20%
Faculty/ Staff*	43%	60%	70%
Administrative Costs	7%	10%	10%
* The internal distribution shall depend on the project and agreement on case by case basis. ** In special cases the share may be different depending upon the agreement (Administrative cost: Head of the Institution, Head of Department /School & office staff)			

RC 4.8	To discuss and approve revised guidelines for PhD programs
	KLE Tech has admitted 3 batch of PhD scholars from 2016. Guidelines for PhD programs are framed and approved in the first Research Council meeting in 2016. Some of the guidelines are revised for the year 2019-20 and are presented. More details in the Annexure RC4.8

Dean R & D presented the revised guidelines for PhD programs.

Action Requested: The Research Council is requested to discuss and approve revised guidelines for PhD programs.

Discussion 4.8: Committee went through the revised guidelines given by Dean R & D and members suggested to follow UGC recommendations for PhD programs in the guidelines.

Resolution 4.8: Resolved to have revised guidelines in line with the UGC recommendations for PhD programs.

RC 4.9	Any other subject with the permission of the Chair.
	NIL

Minutes of the meeting

Fifth Research Council Meeting of KLE Technological University,

Hubballi, Karnataka

October 03, 2020

Venue: Senate Hall, KLE Tech
External members have joined Online



KLE Technological
University

Creating Value
Leveraging Knowledge

KLE Technological University
(Established under Karnataka Act No.22, 2013)

VICE CHANCELLOR
KLE Technological University
HUBBALLI-580 031. India

DEAN (R & D)
KLE Technological University
HUBBALLI-580 031.

The following are the minutes of the Fifth Research Council Meeting of KLE Technological University, Hubballi, which was held on 3rd October 2020 at 10.00 am, at the Senate Hall of the University (External members joined online).

The following Members were Present.

Sr. No	Name	Designation	Position
1.	Dr Ashok Shettar	Vice Chancellor	Chairman
2.	Dr. Madhusudhan Atre	Consultant & Adjunct Professor KLE Tech, Vegashakthi Consultants	Member
3.	Dr. Manjunath D	Prof IIT, Bombay	Member
4.	Dr P G Tewari	Principal BVBCET & Dean Academics, KLE Technological University	Member
5.	Dr. N H Ayachit	Registrar, KLE Technological University	Member
6.	Dr. Uma K. Mudenagudi	Dean R & D	Member Secretary

The following members were invited members.

SL	Name	Designation	Position
1	Prof B L Desai	Executive Dean	Invited Member
2	Dr B B Kotturshettar	Dean Planning & Development Head School of Mechanical Engineering	Invited Member
3	Dr. Sanjay Kotabagi	Dean Student welfare, KLE Technological University	Invited Member

The following members have sought leave of absence:

SL	Name	Designation	Position
1	Dr. Badrinath Ramamurthy	Principal Engineer, Ericsson Research Bangalore	Invited Member

DEAN (R & D)
 KLE Technological University
 HUBBALLI - 580 031

VICE CHANCELLOR
 KLE Technological University
 HUBBALLI - 580 031

Agenda

Item No.	Particulars	Page No
RC 5.1	To read and confirm the minutes of the previous meeting held on 26 th October 2019.	3
RC 5.2	To confirm the action taken report on the minutes of the previous meeting held on 26 th October 2019.	5
RC 5.3	To discuss the progress of research activities at schools, departments and centers at KLE Tech in 2019-20 (Information agenda). <ul style="list-style-type: none"> • Research Progress of the University 	10
RC 5.4	To discuss and approve research promotion schemes (continued) and new proposals in 2020-21. <ol style="list-style-type: none"> 1. Budget 2020-21 2. Research promotion schemes with new initiatives and new groups 2020-21 	16
RC 5.5	To discuss and approve the progress of PhD programs at KLE Tech in 2019-20. <ol style="list-style-type: none"> 1. Review of PhDs admitted <ol style="list-style-type: none"> a. Progress of 2016 admitted batch of candidates b. Progress of 2017 admitted batch of candidate c. Progress of 2018 admitted batch of candidates 2. To review and approve change of course work / admission category 3. To approve registration of PhD after completion of comprehensive exam 	17
RC 5.6	To discuss and approve guidelines for MS (Engg) by Research Program.	18
RC 5.7	Any other subject with the permission of the chair.	18

RC 5.1	To read and confirm the minutes of the Forth Research Council meeting held on 26th October 2019
RC 4.1	To read and confirm the minutes of the previous meeting held on 1 st Sept 2018. Resolution 4.1: The minutes of the third Research Council meeting held on 1 st Sept 2018 were read and confirmed.
RC 4.2	To confirm the action taken report on the minutes of the previous meeting held on 1 st Sept 2018. Resolution 4.2: Resolved to confirm the action taken report on the minutes of the third Research Council meeting held on 1 st Sept 2018 at KLE Tech University Hubballi.
RC 4.3	To discuss the progress of PhD programs and summary of research output, at schools/ departments /centres at KLE Tech in 2018-19. (Information agenda) Resolution 4.3 Resolved to recommend a limit of 5 PhD students per supervisor. 2. Resolved to ratify the action taken by the Registrar to serve the notices to those PhD candidates admitted in 2016 who have not completed the comprehensive viva exam as per the recommendations of RPC and approval of the Vice Chancellor. 3. Resolved to give extension till Jan 2020 to such PhD students of 2016, who have not completed comprehensive viva in case if the candidate requests. 4. Resolved to give extension till Jan 2020 to such PhD students of 2017, who have not completed course work if the candidate requests. 5. Resolved to approve the recommendations of RPC for (i) Cancellation/ Withdrawal / Transfer of PhD candidates, (ii) Change of supervisor, (iii) Change of course work.
RC 4.4	To discuss and approve activities initiated in 2018-19 to implement the research strategy of the university. 1. Activities initiated to implement research strategy: OKR method 2. Research Conclave and Research Colloquia 3. Professor of Research and Practice Resolution 4.4: Resolved to have 3 components during the research colloquium of School/Department, Viz. (i) Research reviews of faculty by external experts, (ii) talk by experts on research directions, (iii) review summary and comments by external experts to Head of the School/Dept.
RC 4.5	To discuss and approve research promotion schemes (continued) and new proposals in 2019-20 Resolution 4.5: Resolved to approve 1. Proposed research promotion schemes for the year 2019-20.

	<p>2. Research proposals under the promotion schemes for the year 2019-20.</p> <p>a. Capacity building projects – 12 proposals with a grant of Rs. 29.26L (Annexure-4.5).</p> <p>b. Research groups - 7 RGs and 1 RC proposals with a grant of Rs. 131.90L (Annexure-4.5).</p> <p>c. Product design and development grant: 2 PDDG and 2 Faculty Student Start-up grant (FSSG) with a fund of Rs. 22.25L (Annexure-4.5).</p>																
RC 4.6	<p>To discuss and approve Revised guidelines for the financial assistance to faculty and students to present papers at conferences outside India.</p> <p>Resolution 4.6: Resolved to approve the revised guidelines for the financial assistance to faculty and students to present papers at conferences outside India. (Annexure 4.6).</p>																
RC 4.7	<p>To discuss and approve Consultancy Policy of the university.</p> <p>Resolution 4.7: Resolved to approve the following consultancy policy after making the suggested changes to include administrative costs.</p> <table border="1" data-bbox="491 965 1433 1171"> <thead> <tr> <th>Category / party</th> <th>Category I*</th> <th>Category II**</th> <th>Category III</th> </tr> </thead> <tbody> <tr> <td>Institution</td> <td>50%</td> <td>30%</td> <td>20%</td> </tr> <tr> <td>Faculty/ Staff*</td> <td>43%</td> <td>60%</td> <td>70%</td> </tr> <tr> <td>Administrative Costs</td> <td>7%</td> <td>10%</td> <td>10%</td> </tr> </tbody> </table> <p>* The internal distribution shall depend on the project and agreement on case by case basis. ** In special cases the share may be different depending upon the agreement (Administrative cost: Head of the Institution, Head of Department /School & office staff)</p>	Category / party	Category I*	Category II**	Category III	Institution	50%	30%	20%	Faculty/ Staff*	43%	60%	70%	Administrative Costs	7%	10%	10%
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RC 4.9	<p>Any other subject with the permission of the Chair.</p> <p>Resolution 4.9: Nil</p>																

Action Requested: Research Council is requested to confirm the minutes of the fourth Research Council meeting held on 26th October 2019.

Discussion 5.1: Agenda and resolutions of 4th Research council meeting held on 26th October is presented.

Resolution 5.1: Research Council confirmed the minutes of the fourth Research Council meeting held on 26th October 2019.

RC 5.2	To confirm the action taken report on the minutes of the Fourth Research Council meeting held on 26th October 2019	
Item	Description	Action Taken
RC 4.1:	<p>To read and confirm the minutes of the Third research council meeting held on 1st September 2018.</p> <p>Resolution 4.1: The minutes of the Third Research Council meeting held on 1st September 2018 were read and confirmed.</p>	Noted
RC 4.2:	<p>To confirm the action taken report on the minutes of the Third Research Council meeting held on 1st September 2018</p> <p>Resolution 3.2: Resolved to confirm the action taken report on the minutes of the Third Research Council meeting held on 1st September 2018 at KLE Tech University Hubballi.</p>	The Research Council noted and approved the action taken report on the minutes of the Third Research Council meeting held on 1st September 2018.
RC 4.3	<p>To discuss the progress of PhD programs and summary of research output, at schools/ departments /centers at KLE Tech in 2018-19:</p> <p>Discussion 4.3: Committee went through the detailed presentation given by the Dean R & D regarding the progress of Research Scholars admitted during 2016, 2017 and 2018, and the research output. Members discussed the progress in detail and made the following suggestions/comments.</p> <ol style="list-style-type: none"> 1. Maximum number of PhD students to be allotted to a supervisor is 5. 2. To keep average number of PhD students admitted per year as 20. 3. In light of many Research Scholars not completing their comprehensive exam, members suggested to issue notices to PhD scholars. 4. Regarding grant proposals, members suggested to provide details of number of proposals rejected, number of PIs and amount sanctioned. <p>Resolution 4.3:</p> <ol style="list-style-type: none"> 1. Resolved to recommend a limit of 5 PhD students per supervisor. 2. Resolved to ratify the action taken by the Registrar to serve the notices to those Research Scholars admitted in 2016 and who have not completed the comprehensive viva exam as per the recommendations of RPC and approval of the Vice Chancellor. 	<ol style="list-style-type: none"> 1. Allotment of Research Scholars is out as suggested. 2. Call for PhD were not served in 2019 and 2020. 3. Notices were issued to all Research Scholars who were not completing their comprehensive exam with stipulated Additional was given to candidates the approval of the Vice Chancellor could not complete the comprehensive exams for reason.

	<ol style="list-style-type: none"> 3. Resolved to give extension till Jan 2020 to such PhD students of 2016, who have not completed their comprehensive viva in case if the candidate requests. 4. Resolved to give extension till Jan 2020 to such PhD students of 2017, who have not completed course work if the candidate requests. 5. Resolved to approve the recommendations of RPC for (i) Cancellation/ Withdrawal / Transfer of Research Scholars, (ii) Change of supervisor, (iii) Change of course work. 	<ol style="list-style-type: none"> 4. The course work period is extended till Aug/ Sept 2020. 5. Changes are incorporated as per the approval. 6. The points suggested are included in the current meeting.
RC 4.4	<p>To discuss and approve activities initiated in 2018-19 to implement the research strategy of the university. To implement the research strategy and promote research culture of the University, Objectives and Key Results (OKR), method is selected as a management framework during Nov 2018 to March 2019. OKRs for Dean R &D, Heads of School/Department/Center and research paths for different category of faculty are discussed and finalized, and are presented.</p> <ol style="list-style-type: none"> 1. Activities initiated to implement research strategy: OKR method <ol style="list-style-type: none"> a. OKR for Dean R & D and HoDs b. Research Paths for different category of faculty c. Research Experience for Evolving Faculty (REEF) 2. Research Conclave and Research Colloquia 3. Professor of Research and Practice (PRP) <p>Discussion 4.4: Members appreciated the OKR method and detail discussions were carried out regarding the conduct of research colloquia at different schools/departments. Members made the following comments/suggestions.</p> <ol style="list-style-type: none"> 1. Present top performing faculty with respect to Hindex in the next meeting. 2. To have Gini index for the faculty. 3. To have external review of the proposals submitted by the ERGs and also SRGs as mentors. 4. Ability to guide PhD is to be associated with quality of publications and suggested to have 3 good publications outside their PhD before taking any PhD students. 5. Department colloquium/research-review may also be used to advertise the activities to the department students; stagger the dates of the verticals and have the external experts who are reviewing the progress of the research scholars. 	<ol style="list-style-type: none"> 1. Colloquium is conducted by all the schools and departments 2. Minimum of Two external experts from reputed institutes /industry participated. 3. A report on Summary of Colloquium is presented 4. No PRP is appointed

	<p>6. Invited experts should be requested to summarize and brief their feedback at the end of the review to the department head.</p> <p>7. To look for PRP (2-5 in 2019-20) from industry and Adjunct faculty from Academia. (look at DRDO, NAL, GE, ISRO, MSR, HAL, IBM for Mechanical stream)</p> <p>8. To take help of PRP to write external proposals.</p> <p>Resolution 4.4: Resolved to have 3 components during the research colloquium of School/Department, Viz. (i) Research reviews of faculty by external experts, (ii) talk by experts on research directions, (iii) review summary and comments by external experts to Head of the School/Dept</p>	
RC 4.5	<p>To discuss and approve research promotion schemes (continued) and new proposals in 2019-20.</p> <p>Research promotion schemes are formulated in the first Research Council meeting in 2016 and revised in second and third meetings. In continuation, budget for R &D, continued research promotion schemes, new proposals and selected proposals for the year 2019-20 are presented.</p> <ol style="list-style-type: none"> 1. Budget 2019-20 2. Research promotion schemes with new initiatives and new groups 2019-20 3. Selected and sanctioned list of research clusters, groups, product design and development grant, faculty student start-up grant, and capacity building projects 2019-20 <p>Discussion 4.5: Committee went through the details of sanctioned research promotion schemes in different category and made the following comments and suggestions.</p> <ol style="list-style-type: none"> 1. Appreciated the different research promotion schemes and new additions. 2. Appreciated the credits given to Institutional Research Projects (IRPs), Institutional sponsored projects (ISPs) and Sponsored research projects (SRPs). <p>Resolution 4.5: Resolved to approve;</p> <ol style="list-style-type: none"> 1. Proposed research promotion schemes for the year 2019-20. 2. Research proposals under the promotion schemes for the year 2019-20. <ol style="list-style-type: none"> a. Capacity building projects – 12 proposals with a grant of Rs. 29.26L (Annexure-4.5). b. Research groups - 7 RGs and 1 RC proposals with a grant of Rs. 131.90L (Annexure-4.5). c. Product design and development grant: 2 PDDG and 2 Faculty Student Start-up grant (FSSG) with a fund of Rs. 22.25L (Annexure-4.5). 	<p>12- Capacity building (29.26L) RC (131.90L) PDDG and FSSG (22.25L) are approved.</p> <p>The difference between research promotion schemes funded by the department and a presentation meeting.</p>

RC 4.6	<p>To discuss and approve Revised guidelines for the financial assistance to faculty and students to present papers at conferences outside India.</p> <p>Guidelines for R & D activities are formulated in the first Research Council meeting in 2016 and are revised in the second and third meetings. The guidelines for the financial assistance to present papers at conferences outside India are revised for the year 2019-20 and are presented.</p> <p>Discussion 4.6: Research Council discussed the details of the financial assistance to present papers at conferences outside India. The members appreciated the scheme.</p> <p>Resolution 4.6: Resolved to approve the revised guidelines for the financial assistance to faculty and students to present papers at conferences outside India. (Annexure 4.6)</p>	<p>3 faculty and 2 students were given financial assistance to present papers at conferences outside India.</p> <ol style="list-style-type: none"> 1. BMVC 2. ICCV 3. BigMM 																
RC 4.7	<p>To discuss and approve Consultancy Policy of the University.</p> <p>To develop outreach activity, the consultancy is one of the activity. In this regard the guidelines for consultancy work is presented.</p> <p>Discussion 4.7: Dean R & D presented the consultancy policy of the university. Members suggested to make changes in the consultancy policy and asked to name the third category as 'Administrative costs'.</p> <p>Resolution 4.7: Resolved to approve the following consultancy policy after making the suggested changes to include administrative costs.</p> <table border="1" data-bbox="464 1283 1251 1485"> <thead> <tr> <th>Category / party</th> <th>Category I*</th> <th>Category II**</th> <th>Category III</th> </tr> </thead> <tbody> <tr> <td>Institution</td> <td>50%</td> <td>30%</td> <td>20%</td> </tr> <tr> <td>Faculty/ Staff*</td> <td>43%</td> <td>60%</td> <td>70%</td> </tr> <tr> <td>Administrative Costs</td> <td>7%</td> <td>10%</td> <td>10%</td> </tr> </tbody> </table> <p>* The internal distribution shall depend on the project and agreement on case by case basis. ** In special cases the share may be different depending upon the agreement (Administrative cost: Head of the Institution, Head of Department /School & office staff)</p>	Category / party	Category I*	Category II**	Category III	Institution	50%	30%	20%	Faculty/ Staff*	43%	60%	70%	Administrative Costs	7%	10%	10%	<p>The approved Consultancy policy is in place.</p>
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RC 4.8	<p>To discuss and approve revised guidelines for PhD programs</p> <p>KLE Tech has admitted 3 batch of PhD scholars from 2016. Guidelines for PhD programs are framed and approved in the first Research Council meeting in 2016. Some of the guidelines are revised for the year 2019-20 and are presented.</p>	<p>Revised PhD guidelines are in use.</p> <p>Revised guidelines for PhD programs were approved by the Executive</p>																

	<p>Discussion 4.8: Committee went through the revised guidelines given by Dean R & D and members suggested to follow UGC recommendations for PhD programs in the guidelines.</p> <p>Resolution 4.8: Resolved to have revised guidelines in line with the UGC recommendations for PhD programs.</p>	<p>Council in meeting h 16th March and by the its 11th me on April 1,</p>
RC 4.9	<p>Any other subject with the permission of the Chair. No discussions happened in this agenda point.</p>	

Action Requested: Research Council is requested to confirm the minutes of the fourth Research Council meeting held on 26th October 2019.

Discussion 5.2: Dean R & D presented the action taken report on the Fourth Research Council meeting held on 26th October 2019.

Resolution 5.2: Resolved to confirm the action taken report on the minutes of the Fourth Research Council meeting held on 26th October 2019 at KLE Tech University Hubballi.

RC5.3	To discuss the progress of research activities at schools, departments and centres at KLE Tech in 2019-20 (Information agenda).
	The progress of research output at Schools, Departments and Centers are presented by Dean (R&D). The presentation contained the following points: Research Progress of the University in two folds; (i) systemic changes, (ii) Research outcomes because of systemic changes.

Research Progress of the University

Dean R & D, Member secretary of Research Council presented the brief progress of the University. The progress can be visualized as Systemic changes which are incorporated to implement the research strategy and outcomes of research at the university. Number of Systemic changes which helped the university to enhance the outcomes of research are presented. Dean R & D also presented the comparison of the research outcomes over last 3 years. Member secretary presented details of NIRF-20 Ranking, ARIIA 2020 and details of Coursera Course completion by faculty.

Systemic changes:

1. **Establishing & Communicating Research Categories (Faculty) & Expectations:** Faculty are put into four different category depending on their research status and the expectations for each category are defined and shared. Research outcomes are tightly coupled with the Faculty Appraisal Process, which is started in 2020.
2. **Defining Research Focus Areas for each Department:** Departments were asked to define research focus areas in-line with institutional and national priorities. Each department after multiple brainstorming sessions defined their research groups that contained different category of faculty.
3. **Organising People & Resources around Research Groups:** The University made a budgetary provision of 5% towards research activities and the Research Groups were asked to apply for University funding.
4. **Creating support system for Young faculty:** The new system in place provides an opportunity for Young faculty to choose a research domain and focus area and undergo immersive research experience that includes research cycle of learning, exploring and research reporting.
5. **Collaborating with external entities and researchers for mentoring /support:** Two level of collaborations were identified, one at organization level and the other at the research group level for mentoring / supporting. External experts are part of both the levels.

Research Outcome:

- a) **Number of Active Researchers:** Increase in number of active researchers.
- b) **Research Publications:** Increase in number of publications in WoS and Scopus
- c) **H-index, Citations:** Increase in average H-Index and Citations.
- d) **Institutional Funding for Research:** Increase in number of applications and funding.
- e) **Number of Research proposals applied / Funded (External):** Increase in number of

applications for external funding.

- f) Number of external researchers / entities engaged: Started engagement with the external researchers. 27 external researchers from higher learning institutes like IITs, NITs are part of review of research domains, groups and also research directions.

Action Requested: The Research Council is requested to discuss the progress of research activities at schools, departments and centres at KLE Tech in 2019-20.

Discussion 5.3: External Members discussed about research focus areas at current and earlier, and how focus areas of department/schools are refined over a period of time. Chairperson expressed how the proposed systemic change addresses the process of Organising People & Resources around Research Groups and creating support system for Young faculty. Members expressed their appreciation to all the initiatives and systemic changes, and appreciated how the top-down, management driven focus leading to enhance progress in research outcomes. The comments/suggestions made by the members are grouped into three different category and are given by;

- o Industry collaborations:
 - To have strategy/process for industry collaborations.
 - Suggested to add one industry every year for collaborations.
 - Sample process to be sent to the members to connect to the industry for possible collaboration activity.
- o Collaborations with higher learning Institutes for research reviews:
 - To explore collaborations with new IITs – Prof. Manjunath suggested that he shall help in connecting to the institutions.
 - Prof. Manjunath and Dr. Atre suggested to enhance the industry collaborations for Civil, Mechanical, EE and BT.
 - Prof. Manjunath suggested that every 2 months, faculty in ERS and their guides to make a presentation to the external reviewer, particularly with reference to the research problem and literature review. He also suggested to bring more external reviewers for different research groups. He also suggested to keep 3-4 presentations in each review. For the initial cycle pick 3-4 who can adapt and benefit from the reviews.
 - Chairperson directed Member Secretary to carry out the reviews for 80-100 ERS, ERG faculty and to identify additional 10-20 external reviewers.
 - Prof. Manjunath agreed to do the pilot in November 2020 with Dr. Badarinath for ERS-2, ERS-3 category of faculty.
- o Faculty related:
 - 216 active researchers out of 330+ faculty: Chairperson discussed about moving 40+ more faculty into the group of active researchers.
 - Enhanced research: Dr Atre suggested to make faculty towards enhanced research when they move from IREF-ERSPrep-ERS-ERG-SRG.
 - Enhancing the Science group: Chairperson discussed to enhance the faculty in science group by bringing more adjunct professors and teaching assistants to

increase the research output of science faculty. Dr. Atre appreciated the point and suggested to look for retired science faculty who have track record for publications.

Resolution 5.3: Research Council discussed the progress of research activities at schools, departments and centres at KLE Tech in 2019-20 (Information agenda).

1. It was resolved to put on record the appreciation of the members for the research outcomes and progress.

Action points on agenda 5.3:

1. Process for industry collaborations to be strengthened.
2. Enhancement of number of Industry collaboration for Civil, Mechanical, EE and BT.
3. Calendar of events for reviews of ERS, ERG faculty with external members to be prepared and published.
4. Pilot review of faculty in ECE and CSE with Prof. Manjuntha and Dr. Badrinath to be conducted in the month of November 2020.
5. Identify additional number of external reviewers for different research groups.
6. Enhancement in the number of active researchers: shifting 40+ faculty members into the group of active researchers.
7. Addition of adjunct faculty for Science group to enhance the publications.

RC 5.4	To discuss and approve research promotion schemes (continued) and new proposals in 2020-21.
	<p>Research promotion schemes are formulated in the first Research Council meeting in 2016 and revised in second and third meetings. In continuation, budget for R &D, continued research promotion schemes, new proposals and selected proposals for the year 2019-20 are presented.</p> <ol style="list-style-type: none"> 1. Budget 2020-21 2. Research promotion schemes with new initiatives and new groups 2020-21

Dean R & D presented Budget for the year 2020-21. She also presented different research promotion schemes which were continued and new initiatives taken in 2020-21.

Action Requested: The Research Council is requested to discuss and approve research promotion schemes (continued) and new proposals in 2020-21.

Discussion 5.4: Committee went through the details of sanctioned research promotion schemes in different category. Members discussed about the external grants received and utilization. Member secretary presented new Centre of Excellence (CoE) for Computational vision and AI. Chairperson set the context of this group and its collaboration with SRIB, its working and investment model. This CoE will be working in three dimensions; AI and Data capture, 3D Reconstruction, AR and VR. Chairperson requested suggestions from members for naming the CoE. Members made the following comments and suggestions.

1. Appreciated the different research promotion schemes and new additions.
2. Prof. Manjunath suggested to make the comparisons of R & D emphasis done in new IITs and IIITs. He also suggested to present the effort invested from University to Government sector at appropriate platform to draw the attention and attract more research fund from government sector.
3. Chairperson requested Dr. Atre to review the directions and progress of RC – MS and PDDG-CIPD group, which he agreed upon.
4. Members finalized the name of CoE as Center of Excellence in Visual Intelligence (CEVI). Two new proposals of RC/RG are combined in the CoE.
5. Prof. Manjunath and Dr. Atre suggested on the investment of Computing capacity- suggested to compare the cost of investment and maintenance of computing facility v/s cloud facility amortized over 5 years.

Resolution 5.4: Resolved to approve;

1. Proposed research promotion schemes and proposals under different category for the year 2020-21.
2. Capacity building projects – 21 proposals with a grant of Rs. 56.25L (Annexure-5.4.1).
3. CoE and Research Clusters - one CoE, CEVI and one Research cluster, MS are approved in 2020-21, with a grant of Rs. 118.37L (Annexure-5.4.1).

4. Research groups - 6 RGs with a grant of Rs. 46.25L (Annexure-5.4.1).
5. Product design and development grant: 2 PDDG and 1 Faculty Student Start-up grant (FSSG) with a fund of Rs. 55.00L (Annexure-5.4.1).
6. Institutional Research Projects (IRPs) Institutional sponsored projects (ISPs) and Sponsored research projects (SRPs) (Annexure-5.4.1).
7. Incentives for R & D activities are continued as per the approved guidelines. (Annexure-5.4.1).

RC 5.5	<p>To discuss and approve the progress of PhD programs at KLE Tech in 2019-20.</p> <p>PhD programs were started in the year 2016 and so far 3 batches of students have been admitted. The progress of PhD programs will be presented by the Dean (R&D). KLE Tech university has 12 schools/ departments/ centers offering doctoral degree. PhD scholars admitted in 2016, 2017 and 2018 respectively are 32, 35 and 20. Currently 79 registered supervisors are guiding 87 registered PhD scholars. There are 39 KLE Tech faculty registered for PhD. The presentation will cover the following points:</p> <ol style="list-style-type: none"> 1. Review of progress of PhDs scholars admitted to KLE Tech <ol style="list-style-type: none"> a. Progress of 2016 admitted batch of candidates b. Progress of 2017 admitted batch of candidates c. Progress of 2018 admitted batch of candidates 2. To review and approve change of course work / admission category 3. To approve registration of PhD after completion of comprehensive exam
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Progress of 2018 batch: Out of 20 research scholars, 9 have completed course work and 10 are yet to complete the course work, and 1 research scholar has withdrawn/cancelled the registration. 10 scholars have appeared for the exam during Sept 2020.

The change of course work / admission category is also presented. The status of course work and comprehensive viva of each batch is presented.

Action Requested: The Research Council is requested to discuss and approve progress of PhD Programs at KLE Tech during 2019-20.

Discussion 5.5: Committee went through the detailed presentation given by the Dean R & D regarding the progress of research scholars admitted during 2016, 2017 and 2018. Two PhD scholars of 2016 batch have applied for extension for completion of comprehensive viva on medical ground. Chairperson presented details of PhD registration cancellation cases in KLE Tech as well as other institutes due to inadequate research progress. Members discussed the progress of PhD programme and support system for scholars whose PhD registration was cancelled. The summarized suggestions are:

1. To take decisions as per the guidelines of the program.
2. To provide extensions and changes in cases with valid reasons.

Resolution 5.5:

1. Resolved to give extension till Dec 2020 for research scholars of 2016 batch complete the comprehensive exam.
2. Resolved to approve the recommendations of RPC for (Annexure 5.5.1);
 - a. Change of admission category of PhD Scholar Ms. Anushree D K (01FM16RBA001) from Full time to Part Time.
 - b. Change of PhD Coursework for three PhD Scholars Mantesh Choukima (01PE18RME001), Santosh Kunnur (01PE18RME002) and Arun Shivashin (01PE18RME004).

RC 5.6	To discuss and approve guidelines for MS (Engg) by Research Program.
	KLE Tech is proposing to start MS (Engg) by research program and the guidelines for the program are presented.

Member secretary presented the details and guidelines of MS (Engg) by Research.

MS (Engg) by Research shall be offered by KLE Tech, in Engineering branches as per the regulations governing the MS (Engg) by Research Degree of KLE Tech.

Action Requested: The Research Council is requested to discuss and approve guidelines for MS (Engg) by Research Programs.

Discussion 5.6: Members discussed about expectation and structure of the course. Members also discussed and suggested the following

1. Prof. Manjunath suggested to keep the degree as "M.Tech", however member suggested the advantages of keeping the degree as proposed.
2. Members also suggested using word "strongly recommended" rather than "mandate" in case of Publication in SCIE indexed journal. However members also expressed their opinion as to follow the guidelines of UGC and AICTE.

Resolution 5.6: Resolved to approve the MS (Engg) by Research Programs and guideline for MS (Engg) by Research Programs.

Detail Guidelines of MS (Engg) by Research Program are presented in Annexure 5.6.1

RC 5.7	Any other subject with the permission of the chair
	NIL



Research and Development

**Annexure
 5.3.1**

Number of Research Publication – Summary

Details	2015-16				2016-17				2017-18				2018-19				2019-20			
	Journal		Conference		Journal		Conference		Journal		Conference		Journal		Conference		Journal		Conference	
	U	NJ	IC	N C	U	N J	IC	N C	U	N J	IC	N C	U	N J	IC	N C	U	NJ	IC	N C
# of Publications	260	10	67	6	154	6	139	9	141	2	87	3	139	1	117	10	188	4	155	5
	270		73		160		148		143		90		140		127		192		160	
Total	343				308				233				267				352			
W	33				40				37				58				138			
S	85				121				143				181				215			
G	235				290				229				258				304			



Research and Development

Details of Research Publication

Dep t.	2015-16				2016-17				2017-18				2018-19				2019-20			
	Journal		Confere nce		Journal		Confere nce		Journal		Confere nce		Journal		Confere nce		Journal		Confere nce	
	Int	N at	In t	N at	In t	N at	In t	N at	In t	N at	In t	N at	In t	Na t	Int	Na t	Int	Na t	In t	Na t
Civil	12	1	2	1	6	0	6	4	5	0	11	3	3	0	3	1	4	0	5	0
SoC SE	23	0	56	0	21	6	46	0	10	1	84	0	15	0	30	0	12	0	26	0
SoE CE	30	15	32	6	28	2	29	4	49	2	81	0	22	0	63	0	49	3	60	3
SM E	40	0	10	0	46	1	13	0	37	1	30	5	49	0	0	0	46	0	16	0
ARE																	7	0	5	1
BT	15	0	0	0	16	0	3	0	12	0	1	4	5	0	1	7	19	0	5	0
E&E	3	0	1	0	9	0	8	1	8	0	4	0	0	0	4	0	6	0	4	0
MC A	11	0	4	0	10	0	5	0	4	0	2	0	1	0	2	0	1	0	13	0
SM SR	1	1	3	4	7	0	6	0	5	1	2	0	4	0	2	2	9	1	1	0
Phy	5	0	8	0	4	2	5	0	13	1	4	2	17	1	9	0	20	0	12	0
Che m	4	0	0	0	4	0	0	0	1	0	0	0	5	0	2	0	7	0	0	1
Mat hs	8	1	0	0	9	0	0	0	10	0	1	0	8	0	1	0	3	0	0	0
CEE R	0	0	0	0	6	0	6	0	1	0	5	0	10	0	0	0	3	0	8	0
Hu m																	2	0	0	0
Tot al	152	18	116	11	166	11	127	9	155	6	225	14	139	1	117	10	188	4	155	5
	170		127		177		136		161		239		140		127		192		160	



Research and Development

Google H Index

Sl. No	Name of School/Department/Center	2016			2017			2018			2019		
		N	TH	AH	N	TH	AH	N	TH	AH	N	TH	AH
1	Civil	28	29	1.04	28	30	1.07	28	34	1.21	24	34	1.42
2	SoCSE	57	73	1.28	55	108	1.96	65	161	2.48	60	157	2.61
3	SoECE	52	58	1.12	50	78	1.56	52	108	2.08	50	107	2.14
4	SME	60	131	2.18	64	155	2.42	61	171	2.8	52	178	3.42
5	BT	10	27	2.7	10	34	3.4	10	37	3.7	10	51	5.1
6	EEE	19	37	1.95	18	36	2	24	43	1.79	21	48	2.28
7	MCA	10	28	2.8	11	34	3.09	11	39	3.55	11	46	4.18
8	SMSR	9	2	0.22	9	3	0.33	9	3	0.33	8	3	0.38
9	Physics	9	39	4.33	9	45	5	9	50	5.56	8	59	7.36
10	Chem	5	20	4	5	22	4.4	5	28	5.6	5	32	6.4
11	Maths	15	16	1.07	15	19	1.27	16	23	1.43	16	5	1.56
12	ARE										11	23	2.1
13	CEER	8	4	0.5	8	4	0.5	8	8	1	8	9	1.125
14	Humanities										5	1	0.2
	Total	282	464	1.933	282	568	2.25	298	705	2.628	289	753	2.877

Scopus H Index

Sl.No	S/D/C	2019-20		
		N	TH	AH
1	Civil & Env Engg	24	14	0.58



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2	SoCSE	60	104	1.73
3	SoECE	50	73	1.46
4	SME	52	113	2.17
5	ARE	11	10	0.91
6	Biotechnology	10	23	2.3
7	EEE	21	35	1.67
8	MCA	11	16	1.454
9	SMSR	8	3	0.375
10	Physics	8	43	5.38
11	Chemistry	5	21	4.2
12	Mathematics	16	7	0.438
13	CEER	8	6	0.75
14	Humanities	5	1	0.2
	Total	289	469	1.687

Web of Science H Index

Sl.No	S/D/C	2019-20		
		N	TH	AH
1	Civil & Env Engg	24	4	0.16
2	SoCSE	60	50	0.83
3	SoECE	50	32	0.64
4	SME	52	78	1.5
5	ARE	11	5	0.45
6	Biotechnology	10	8	0.8
7	EEE	21	27	1.28
8	MCA	11	15	1.36
9	SMSR	8	0	0
10	Physics	8	40	5
11	Chemistry	5	18	3.6
12	Mathematics	16	7	0.44
13	CEER	8	1	0.125
14	Humanities	5	0	0
	Total	289	285	1.156

Citations details

Dep	2015 Citations	2016 Citations	2017 Citations	2018 Citations	2019 Citations



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t.	WS	SC	S	WS	SC	S	WS	SC	GS	WS	SC	GS	WS	^S C	GS
Civil	3	31	75	6	25	95	3	30	111	2	41	117	7	56	126
SoC SE	8	27	138	41	92	269	79	180	383	139	268	562	158	467	791
SoE CE				56	128	401	65	180	403	54	225	467	34	188	523
SME	300	43 9	842	445	564	971	476	622	990	552	825	137 9	694	104 9	156 6
ARE													3	30	99
BT	17	31	98	29	47	124	30	64	177	39	87	233	46	142	313
E& E				152	353	353	163	241	340	208	306	424	190	296	360
MC A										0	92	293	58	103	213
SMS R	0	0	0	0	0	1	0	0	4	0	0	1	0	4	13
Phy	126	15 2	159	126	138	179	111	114	153	190	194	247	246	288	319
Che m	37	47	117	72	74	138	65	80	128	76	105	179	77	92	190
Mat hs	1	3	24	0	1	19	3	5	45	3	10	34	6	5	36
CEE R	1	0	3	0	5	19	0	18	8	2	14	31	0	12	12
Hu m													0	0	0
Tota l	493	73 0	1456	927	142 7	256 9	995	1534	2742	1265	216 7	3967	151 9	2732	4561



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Annexure 5.3.2

External Grants Received 2019-20

S.No	Name of the Scheme/Project/ Endowments/ Chairs	Name of the Principal Investigator/ Co Investigator (if applicable)	Name of the Funding agency	Type (Government/Non-Government)	Department	Year of Award	Funds provided (INR in lakhs)	Duration of the project
1	Enhancing learning through virtual reality – an exciting and emerging technology	Dr.B B Kotturshettar Mr.Vinay Tigadi	Dassault Systems	Non Government	SME	2019-20	10.	3 years
2	Automatic storage and retrieval system	Dr.Sachin K	Dassault System foundation	Non Government	ARE	2019 - 20	8.5	3 years
3	Humanoid Robot	Prof A C Giriyapur	Dassault System foundation	Non Government	ARE	2019 - 20	8.5	3 years
4	Building awareness on IPR for MSME -IPEC	Dr Ravi Guttal Mr.Vinay Tigadi	MSME	Government	SME	2019-20	76.89	3 years
						Total	103.89	



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External Grants Received 2018-19

1	Crowd sourcing framework for digital archiving and presentation of cultural heritage	Dr.Uma M Dr.Meena S M Dr.Shankar G	DST/ICPS-IHDS - 2018	Government	SoECE SoCSE	2018-19	56.34	3 years	
2	Digital Poompohar: Underwater IP and 3D Reconstruction	Dr.Uma M Dr.Shankar G	DST/ICPS-DP - 2017	Government	SoECE SoCSE	2018-19	62.66	3 years	
3	Smart Water Management System	Dr.Saroja V S	VGST	Government	SoECE	2018-19	40	3 years	
4	Development of membranes for ethanol purification for fuel	Dr.Ashok Sajjan Dr.N R Banapurmath	UAS Dharwad	Government	Chemistry SME	2018-19	6.0	3 years	
							Total	165.00	

External Grants Received 2017-18

1	3D Reconstruction using Drone Images	Dr.Uma M	Samsung Research Institute Bengaluru	Non Government	SoECE	2017-18	6.5	
2	Establishing the facility for Nano technology for structural and energy engineering applications	Dr.S S Quadri	KFIST – VGST	Government	Civil	2017-18	10.00	
3	Development of novel Nano composite hybrid polymer membranes for	Dr.Ashok Sajjan	VGST – KFIST Level II	Government	SME Chemistry	2017-18	40.0	



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	evaporation separation of water from industrial waste organic solvents							
4	Smart system for early detection of plant diseases and PEST infestation	Dr.Prakash R Patil	UASD	Government	SoCSE MCA	2017-18	10.0	
						Total	66.50	

External Grants Received 2016-17

1	Economical production of Eco friendly Bioplastic material for packaging segment	Dr.Jayachandra S Y	BBC - KBITS	Government	SME	2016-17	25.00	3 years
2	BISEP project	Dr.L R Patil	BISEP	Government	Biotechnology	2016-17	162.50	3 years
3	Prototype Aerial Sprayer	Dr.P R Patil	UASD	Government	MCA	2016-17	22.50	3 years
4	Restoration of Motion Blur and Image Super Resolution for ADAS	Dr.Uma M	Continental	Non Government	SoECE	2017-18	8.76	3 years
						Total	218.76	



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Annexure 5.3.3

Patent Details by Faculty

SI No.	Year	Patent Title	Patent Application No. and Date	Inventors	Current Status (Published/Awarded)
1.	2018-19	Automated traffic control and violation deterrent system	317705-001 dated 13/05/2019	Rakesh Patil Ramesh Sarangamath Ravi Guttal	Published on 14-05-2019
2.	2018-19	Automated traffic control and violation deterrent system	317706-001 dated 13-05-2019	Rakesh Patil Ramesh Sarangamath Ravi Guttal	Published on
3.	2018-19	Multipurpose Shredding Machine	310284 dated 25/09/2018	Ramesh Sarangamath Rakesh Patil Ravi Guttal	Published
4.	2017-18	An Assistive system for speech and hearing impaired	201741047107 Dated 05.07.2019	Mudenagudi Uma Alagundagi Saurabh Suresh Patil Sandeep Gudasalamani Shreya Ashok Shttar	Published
5.	2017-18	Smart Solar Hybrid Cooker	201841009831 dated 17-03-2018	Rakesh P Tapaskar P P Revankar M B Gorawar P G Tewari	Published
6.	2016-17	Synthesis of Nano Coolant	201641034226 dated 06-04-2017	Shankar A. Hallad N. R. Banapurmath Anand M. Hunashyal Akshay PM Ashok S. Shettar	Published
7.	2016-17	Ceramic Membrane filtration	201641034227 dated 06-04-2017	Shankar A. Hallad N. R. Banapurmath Anand M. Hunashyal Ashok S. Shettar	Published
8.	2016-17	Nano-ceramic coating for cement composites	201641034228 dated 06-10-2016	Shankar A. Hallad N. R. Banapurmath Anand M. Hunashyal Sreelekshmi B. Shridevi Huggellanavar Ashok S. Shettar	Published



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9.	2015-16	A Polymer Composite	201641002919 dated 27-01-2016	Shankar A. Hallad N. R. Banapurmath Anand M. Hunashyal Ashok S. Shettar Chetan S kulkarni	Published
10.	2015-16	A System Determine Solar Irradiation	6321/CHE/2015 dated 24/11/2015	Rakesh P Tapaskar M B Gorawar P P Revankar P G Tewari	
11.	2015-16	Automated Flower Tying Machine	6024/CHE/2015 dated 06-11-2015	Arun Y. Patil Tajammul Hussain Mysore Dr. K. G. Kodancha Dr. Prakash G. Tewari, Dr. Ashok S Shettar	Published
12.	2015-16	Ball Drying Apparatus	5664/CHE/2015 dated 21-10-2015	Arun Y. Patil Saurabh Bidari Nagaraj R Banapurmath Shankar Hallad Ashok S Shettar	Published
13.	2015-16	A Detachable Ayurvedic Toothbrush with Built in Toothpaste on Bristles	3882/CHE/2015 dated 28-09-2015	Arun Y. Patil Susheel Reddy Umbrajkar Hrishikesh Nilesh Prakash G. Tewari Ashok S Shettar	Published
14.	2015-16	Polymer Nano-composite Coating for Tribological applications	2182/CHE/2015 dated 29-04-2015	Ashok S. Shettar Arun Y. Patil Anand M. Hunashyal N. R. Banapurmath Shankar A. Hallad	Published



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Annexure 5.4.1

Sanctioned list of Capacity building proposals 2020-21: 7.9.2020

S/D	Name	Project Title	BR	BS	Remarks
Civil	Roopa Kuri	Investigation of piezoelectric properties of Cement bases Nano hybrid composites for structural health monitoring	1.1	1.00	Recommended
CSE	P G Sunita Hiremath	Analyzing the Severity of Substance Use Dependence and its Relationship to Psychological Disorders	3.5	1.50	Recommended
CSE	Sujatha C	Person Tracking in Multi-Camera Environment	5.00	3.50	Recommended
CSE	Umadevi F M	Respiratory Illness Detection	4.50	2.70	Recommended
CSE	Shrinivas D Desai	Medical Imaging Annotation	0.55	0.50	Recommended
MCA	Amit K	Software Defined Network Testbed	3.80	2.80	Recommended
ECE	Ujwala Patil	Spectral reconstruction using RGB images	7.00	7.0	Recommended
ECE	Suneeta Budihal	Radio resource management in Software Defined Networks for B5G communication	5.60	4.50	Recommended
ECE	Shivashankar Huddar	Low Actuation Voltage RF-MEMS Switch: Fabrication and Characterization	5.00	5.00	Recommended
ECE	Nirmala.S	RG-Bio Medical Signal and Image Processing	3.5	3.50	Recommended
Mech	Arun Patil	Design and Development of Bio inspired structures for diverse applications	2.92	1.80	Recommended
Mech	Vinayak N Kulkarni	Surface Integrity Studies during Wire Electric Discharge Machining of NiTiNOL Smart Alloy	1.50	1.50	Recommended
Mech	Praveenkumar Petkar	Experimental studies on cold forging dies with advanced die materials	2.00	2.00	Recommended
Mech	Nagaraj Ekbote	Experimental and Numerical Fracture Assessment on Aluminum Alloy Using Constraint Effect of Standard Specimens	2.30	2.00	Recommended
Mech	Venkatesh Ramasamy	Nano thin film coatings on metal components to enhance mechanical and tribological	4.90	2.00	Recommended



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			characteristics			Equipment co the MS - R
16	Mech	Santosh Billur	Bionic design of automobile component exposed to impact loads inspired by bamboo structure and optimization of control variables	2.40	2.00	Recommend
17	A&R	Sachin Karadgi	Implementing Blockchain Use Cases in Manufacturing using Industrial Setup	2.00	1.50	Recommend
18	Chem	Sandeep Kurundawade	Kinetic and Mechanistic study of catalysed redox reactions of the molecules with Industrial app	1.75	1.75	Recommend
19	Phy	Veena Choudapur	Rare earth doped Cobalt chromite nanoparticles for humidity sensing applications.	1.70	1.50	Recommend
20	Phy	Varsha. Koppal	Non linear optical properties of some heterocyclic molecules	4.20	4.0	Recommend
21	Phy	Sangeeta Kolavekar	Study of optical properties of bismuth phosphate glasses containing some rare earth oxides for optical device applications	4.00	4.0	Recommend
				65.72	56.05	

Sanctioned list of RC, RG, PDDG, and FSSG 2020-21, 21.9.2020

N	Group /School	Name	Group Title	Amt requested	Amount Sanctioned	Remarks
1.	RG/CS E	Satyadhyan Chickerur	High Performance Computing, Deep Learning	25+5 (CBP)= 30	21	Recommended
2.	RG/CS E	Meena S M	Intelligent Systems	3.0	3.0	Recommended
3.	RG/EC E	Nalini Iyer	Centre for Automotive Research	10	10.00	Recommended
4.	RC	Uma M	RC-Immersive Mixed Reality – New Proposal	22.4	22.40	Recommended
5.	RC/ CoE	Uma M	RC- CVG – New Proposal	Nil	10.00	Recommended
6.	RC/M S	N R Banapurmath	Development of thin film bad devises for engineering applications	38.37	38.37	Recommended
7.	RG/BT	S Desai	Bio resource Development	2.5 +4.5	7.00	Recommended
8.	RG/BT	B S Hungund	Sustainable Bio-solutions	2.5	2.50	Recommended



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9.	RG/BT	Zabin Bagewadi	Healthcare and Environmental Applications	2.75	2.75	Recommended
10.	PDDG /Mech	Ravi Guttal	Product Innovation, Design, Analysis VirtualPrototyping, Physical Prototyping, Product Development, processes, systems and tools	25.00+17 (Recurring)	42.00	Recommended
11.	PDDG /ECE	Saroja V. S	Smart System for Resource Management	12.50	12.50	Recommended
12.	FSSG/ CSE	Prakash B Hegade	Semantics & mathematical modelling, KNIT (Knits N! items together)	0.50	0.50	Recommended
			Total Budget	184.52	172.02	



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Annexure 5.5.1

PhD admitted during 2016

2016 Batch		
#	Status	# of Students
1	No. of Research Scholar Admitted	32
2	Comprehensive viva completed and PhD confirmed	01
3	Comprehensive viva completed and PhD is not confirmed	17
4	Comprehensive viva in progress	04
5	Comprehensive viva not completed	02
6	Registration Cancelled/Withdrawn	08



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List of Ph.D Scholars whose registration is confirmed in RC – 4 held on 26th October 2019

School / Dept	Research Guide	Research Scholar	Admission Type	SRN	Remarks	Viva Completion Date	RPC Approved Date	RC Approved Date
SM SR	Dr. S.V.Patil	Anushree D Kini	Full Time	01FM16RB A001	Registration Confirmed in RC – 4 26 th October 2019	13 – 08 - 2018	RPC 7 23-08-2018	RC – 4 26 th Oct 2019

List of Ph.D Scholars whose registration, to be confirmed in RC – 5

School / Dept	Research Guide	Research Scholar	Admission Type	SRN	Remarks	Viva completion Date	RPC Approved Date	RC Approved Date
Civil	Dr. A.M. Hunashyal	Akshata Musale	Part Time External	01PE16RC V001	Comprehensive viva completed	20 – 07 - 2020	RPC 12	
SoC SE	Dr. Satyadhan Chickerur	Guruprasad Konnumath	Part Time External	01PE16RC S002	Comprehensive viva completed	11-07-2020	RPC 11	
	Dr. Meena S.M	Uday Kulkarni	Part Time	01PE16RC S005	Comprehensive viva completed	11-07-2020	RPC 11	
	Dr. S.G.Totad	Vijaykumar H. Bhajantri	Part Time	01PE16RC S006	Comprehensive viva completed	01-06-2020	RPC 11	
SoE CE	Dr. Rajashekar B Shettar	Suhas B Shirol	Part Time	01PE16RE E002	Comprehensive viva completed	06-07-2020	RPC 11	
	Dr. Nalini C. Iyer	Vishwanath Garagad	Part Time	01PE16RE E004	Comprehensive viva completed	30-06-2020	RPC 11	
Mech	Dr. Krishnaraja G Kodancha	Nagaraj Ekbote	Part Time	01PE16RM E003	Comprehensive viva completed	14-03-2020	RPC 11	
	Dr.N.R. Banapurmath	Sushruth Halewadimath	Part Time Ext	01PE16RM E005	Comprehensive viva completed	18-01-2020	RPC 10	
	Dr.V.N.G	Vinayak	Part	01PE16RM	Comprehensive	05-10-	RPC 9	



Research and Development

		aitonde	N Kulkarni	Time	E006	viva completed	2019		
10	BT	Dr. Shivaling sarj Desai	Anil Shet	Part Time	01PE16RB T001	Comprehensive viva completed	01-03-2020	RPC 10 6-3-2020	
11		Dr. B S Hunagund	Gururaj B. Tennalli	Part Time	01PE16RB T002	Comprehensive viva completed	29-05-2020	RPC 11	
12	CE ER	Dr. Gopalkrishna Joshi	Preeti Baligar	Part Time	01PE16RC R001	Comprehensive viva completed	08-09-2020	RPC 12	
13	Humanities	Dr. Sanjay V Kotabagi	Jayanti Shinge	Part Time	01PM16RH S001	Comprehensive viva completed	01/02/2020	RPC10 6-3-2020	
14		Dr. Sanjay Kotabagi	Uma Malawad	Full Time Ext	01FM16RH S002	Comprehensive viva completed	02-10-2019	RPC 9	
15	Chemistry	Dr. Ashok M. Sajjan	Akshay S. Kulkarni	Full Time Ext	01FS16RC H001	Comprehensive viva completed	12-02-2020	RPC 10	
16		Dr. Sharanabasava Ganachari	Leena V. Hublikar	Part Time Ext	01PS16RC H002	Comprehensive viva completed	18-06-2020	RPC 11	
17	Physics	Dr. S.B. Kapatkar Dr. S.N.Mathad	Ravikumar Kolekar	Part Time Ext	01PS16RP H002	Comprehensive viva completed	03-09-2020	RPC 12	



Research and Development

List of Ph.D Scholars whose Comprehensive viva voce is in progress

1	Civil	Dr. M.V. Chitawadagi	Pavan Ekbote	Part Time	01PE16 RCV003	Viva date need to be finalised.			
2	CSE	Dr. S G Totad	Archana Sidhanti	Part Time Ext	01FE16 RCS001	Re-examination of Comprehensive viva			
3	Mech	Dr.P.P. Revankar	Rakesh Tapaskar	Part Time	01PE16 RME004	Progress report submission from school is pending.			
4	SoECE	Dr.Subbanna Bhat	Sumit Bhat	Part Time	01PE16 REE003	1 st Examiner has declined, Order to 2 nd examiner in the list.			

List of Ph.D Scholars who are on extension for Comprehensive report submission

1	ECE	Dr. Nalini C Iyer	Heera G. Wali	Part Time	01PE16REE001	Comprehensive viva not completed
2	Physics	Dr. N.R.Patil	Rekha Hebasur	Full Time	01FS16RPH003	Comprehensive viva not completed



Research and Development

List of students whose registration is cancelled / withdrawn / transferred

1	Civil	Dr. V.B. Patil	Mohammed Naikwadi	Part Time	01PE16RCV002	Registration Cancelled
2	Mech	Dr. Jayachandra S. Y Dr. N.R. Banapurmath	Maitri Galagali	Part Time	01PE16RBT003	Registration withdrawn
3	Mech	Dr.I G Siddalingeshwar	Aditya M Deshpande	Part Time	01PE16RME001	Registration Cancelled
4	Mech	Dr. V N Gaitonde	Anand R Lakkundi.	Part Time	01PE16RME002	Registration withdrawn
5	SoCSE	Dr. P.S. Hiremath	Uma Hombal	Part Time	01PE16RCS007	Transferred to other university
6	SoCSE	Dr. P S Hiremath	Kiran Jeedi	Part Time	01FE16RCS003	Registration Cancelled
7	SoCSE	Dr.G.H.Joshi	Parikshit P. Hegde	Part Time	01PE16RCS004	Registration withdrawn
8	Physics	Dr. Aravind S Bernal	Devaraj Talakallu	Part Time	01PS16RPH001	Registration Cancelled

Admitted – 32 Registration confirmed: 01

Comprehensive completed -17

Comprehensive in progress -04

Comprehensive not completed -02

Registration cancelled/Withdrawn -08

Full Time: 04 Part Time: 22

Internal: 18 External: 08



Research and Development

Annexure 5.5.1

Batch 2017

2016 Batch	
Status	# of Students
No. of Research Scholar Admitted	35
Comprehensive viva completed and PhD is not confirmed	04
Comprehensive viva not completed	25
Registration Cancelled/Withdrawn	06

List of Ph.D Scholars whose registration, to be confirmed in RC – 5

	School / Dept	Research Guide	Research Scholar	Admission Type	SRN	Remarks	Viva date	RPC approved	RC approved
1	SoC SE	Dr. S G Totad	Praveen Dhulavvagol	Part Time	01PE17 RCS005	Comprehensive viva completed	01-06-2020	RPC 11	
2	BT	Dr. Zabin K Bagewadi Dr. Uday M M	Deepak Yaraguppi	Part Time	01PE17 RBT001	Comprehensive viva completed	21-02-2020	RPC 10	
3	BT	Dr. Zabin K B Dr. Subanna Roy	Sanjay Deshpande	Part Time Ext	01PE17 RBT002	Comprehensive viva completed	13-07-2020	RPC 11	
4	BT	Dr. B S Hungund	Namratha Hegde P	Full Time	01FE17 RBT004	Comprehensive viva completed	02-06-2020	RPC 11	



Research and Development

List of Ph.D Scholars whose Comprehensive viva not completed

1	Civil	Dr. A M Hunashyal	Madhumati Ext	Part Time	01PE17RCV 002			
2	SoCS E	Dr. S R Chikkerur	Mahesh S Patil	Part Time	01PE17RCS 001			
3		Dr. P R Patil	Manjula Pawar	Part Time	01PE17RCS 002			
4		Dr. Karibasapp a K G	Manjunath K Gonal	Part Time	01PE17RCS 003			
5		Dr. S G Totad	Nivedita Kasturi Ext	Part Time	01PE17RCS 004			
6		Dr. P R Patil	Praveen Kumar S M	Part Time	01PE17RCS 006			
7		Dr. Uma Mudenagu di	Ramesh Ashok Tabib	Part Time	01PE17RCS 007			
8		Dr. Karibasapp a K G	Vijay	Part Time	01PE17RCS 008			
9	SME	Dr. Ravi Guttal	Gururaj Fattepur	Part Time	01PE17RME 003			
10		Dr. N R Banapurma th	Prasanna Shankara R Ext	Part Time	01PE17RME 004			
11		Dr. V N Gaitonde	Praveenkuma r M Petkar	Part Time	01PE17RME 005			
12		Dr. Ravi Guttal	Sachin Khot	Part Time	01PE17RME 006			
13		Dr. G U Raju	Shivaprakash M V	Part Time	01PE17RME 007			
14		Dr. N R Banapurma th	Wategave Sumit Parisa Ext	Part Time	01PE17RME 008			
15	BT	Dr. S V Desai	Sharanappa A	Part Time	01PE17RBT 003			
16	EEE	Dr. S R Karnik Dr. A B Raju	Minal Salunke	Part Time	01PE17REE 001			
17	CEE R	Dr. Ashok S Shettar Dr. Gopal Joshi	Bandi Surendra Reddy Ext	Part Time	01PE17RCR 001			



Research and Development

Humanities	Dr. Sanjay Kotabagi	Nisha John Ext	Part Time	01PM17RH S001			
Chem	Dr. A. M .Sajjan	Manu Lingappa Naik	Full Time	01FS17RCH 001			
	Dr. A. M .Sajjan	Prakash Kalahal	Full Time	01FS17RCH 002			
	Dr. V C Havanur	Vivekanand Telgadi Ext	Part Time	01PS17RCH 003			
	Dr. V C Havanur	Yogesh Mohan Shanbhag Ext	Part Time	01PS17RCH 004			
Maths	Dr. G B Marali	Praveen I Chandaragi Ext	Part Time	01PS17RM A001			
Physics	Dr. S. B. Kapatkar	Devi Arun Gole	Full Time	01FS17RPH 001			
	Dr. A S Bennal Dr. Ashok Sajjan	Vinayak Bhat Ext	Part Time	01PS17RPH 003			

Students whose registration is cancelled / withdrawn / transferred

Civil	Dr. S S Quadri	M Jyoti	Part Time	01PE17RCV 001	Registration Cancelled
Mech	Dr. B B Kotturshettar	Amit Laxman Talli	Part Time	01PE17RME 001	Registration Cancelled
Mech	Dr. G U Raju	Balachandra Halemani	Part Time	01PE17RME 002	Registration Cancelled
Maths	Dr. D A Patil	Shashikumar Totiger	Part Time	01PS17RMA 002	Registration Cancelled
Maths	Dr. Narayan Swamy	Shridevi	Part Time	01PS17RMA 003	Registration Cancelled
Physics	Dr. S. B. Kapatkar	Lata Sidaganahal	Part Time	01PS17RPH 002	Registration Cancelled

Submitted - 35

Comprehensive in progress (Coursework completed) -25

Comprehensive completed -04

Registration cancelled/Withdrawn -06

Part Time: 15

Full Time: 04

Internal : 10

Internal: 19



Research and Development

Annexure 5.5.1

Batch 2018

2016 Batch		
#	Status	# of Students
1	No. of Research Scholar Admitted	20
2	Comprehensive viva not completed	09
3	Coursework in progress	10
4	Registration Cancelled/Withdrawn	01

List of Ph.D Scholars whose Coursework is completed (09)

#	S/D	Guide	Name	Type	SRN	Viva Date
1	Civil	Dr A M Hunashyal	Roopa A K	Part Time	01PE18RCV002	
2	SoCSE	Dr Uma Mudenagudi	Chaitra Desai	Full Time	01FE18RCS001	
3		Dr Karibasappa K G	Shilpa Kamath	Part Time	01PE18RCS003	
4		Dr Shrinivas Desai	Uday Nuli (Ext)	Part Time	01PE18RCS006	
5		Dr P R Patil	Sujata Kulkarni	Part Time	01PE18RCS008	
6	SME	Dr R S Hosmath	Mahesh Sawant	Part Time	01PE18RME003	
7	SoECE	Dr R M Banakar	Milton Lima (Ext)	Part Time	01PE18REE002	
8	BT	Dr B S Hunagund Dr Jayachandra Y	Zareen Kousar Kazi	Full Time	01FE18RBT001	
9	Maths	Dr Uma Neeli	Divya Balehosur (Ext)	Part Time	01PS18RMA001	



Research and Development

List of Ph.D Scholars whose Coursework in Progress (10)

	Civil	Dr. M V Chitawadagi	Gurunath Kampli	Part Time	01PE18RCV001	Course work in progress
	SoCSE	Dr S G Totad	Shivalingappa Battur	Part Time	01PE18RCS002	Course work in progress
		Dr S R Chikerur	Indira Bidari	Part Time	01PE18RCS004	Course work in progress
		Dr Narayan D G	Amith Kachavimath	Part Time	01PE18RCS007	Course work in progress
		Dr Narayan D G	Somashekar Patil	Part Time	01PE18RCS009	Course work in progress
	SME	Dr N R Banapurmath	Mantesh Choukimath	Part Time	01PE18RME001	Course work in progress
		Dr G U Raju	Santosh Kunnur (Ext)	Part Time	01PE18RME002	Course work in progress
		Dr R S Hosmath	Arun Shivashimpi (Ext)	Part Time	01PE18RME004	Course work in progress
	SoECE	Dr Sujata Kotabagi	Prashant Achari	Part Time	01PE18REE001	Course work in progress
	SMSR	Dr Mahantesh H	Suraj Angadi (Ext)	Part Time	01PM18RBA001	Course work in progress

List of students whose registration is cancelled / withdrawn / transferred (01)

	SoCSE	Dr Shrinivas Desai	Nagaratna Yaligar	Part Time	01PE18RCS005	Registration withdrawn
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Admitted – 20 Coursework completed -09
Coursework in progress -10 Registration cancelled/Withdrawn -01

Full Time: 02 Part Time: 17

External: 06 Internal: 13

Minutes of
Second Research Council Meeting
of
KLE Technological University,
Hubballi, Karnataka
May 6th, 2017



KLE Technological University
(Established under Karnataka Act No.22, 2013)

The following are the minutes of the Second Research Council Meeting of KLE Technological University, Hubballi, which was held on 6th May 2017 at 9.30am, at the Senate Hall of the university.

The following Members were Present.

Sr. No	Name	Designation	Position
1.	Dr Ashok Shettar	Vice Chancellor	Chairman
2.	Dr. Madhusudhan Atre	Consultant & Adjunct Professor KLE Tech, Vegashakthi Consultants	Member
3.	Dr. Manjunath D	Prof IIT, Bombay	Member
4.	Prof B L Desai	Registrar, KLE Technological University	Member
5.	Dr P G Tewari	Principal BVBCET & Dean Academics, KLE Technological University	Member
6.	Dr. Uma K. Mudenagudi	Dean R & D	Member Secretary

The following members were invited members.

SL	Name	Designation	Position
7.	Dr B B Kotturshettar	Dean Planning & Development Head of Mechanical Dept	Invited Member
8.	Dr. Gopal Joshi	Dean CEER, KLE Technological University	Invited Member
9.	Dr. Sanjay Kotabagi	Dean Students, KLE Technological University	Invited Member

The following invited members have sought leave of absence:

SL	Name	Designation	Position
10.	Dr. Venu Gopinathan	Former Director, Kilby Labs, Texas Instruments	Invited Member

Agenda

Item No.	Particulars	Page No
RC 2.1	To read and confirm the minutes of the previous meeting held on 13 th May 2016	3
RC 2.2	To confirm the action taken report on the minutes of the previous meeting held on 13 th May 2016	4
RC 2.3	To discuss and approve strategic plan of R & D activities	5
RC 2.4	<p>To discuss and approve initiatives to promote R & D activities</p> <ol style="list-style-type: none"> 1. Budget note 2017 2. Call for Research clusters/groups and Product Design and Development Grants (PDDG) 2017-18 3. Call for capacity building projects 4. Guidelines for attending and conducting Conferences, Faculty Development Programs (FDPs) and Staff Development Programs (SDPs) 5. Guidelines for claiming incentives for R&D activities 	5
RC 2.5	<p>To discuss the progress of PhD programs at schools and departments</p> <ol style="list-style-type: none"> 1. Review of Course work: Results of January 2016 batch of candidates is presented 2. Review of Seminar and MOOC Courses: List of MOOC and Seminar courses offered and completed at schools and departments is presented 3. To consider change of supervisor and change of admission category 	6
RC 2.6	<p>(Information agenda) To discuss the progress of research activities at schools, departments and centers (KLETech+BVCET)</p> <ol style="list-style-type: none"> 1. Summary of VTU PhD programs 2. Summary of publications 3. Summary of institute funded capacity building projects 4. Summary of REU 	9
RC 2.7	Any other subject with the permission of the chair	

RC 2.1	To read and confirm the minutes of the previous meeting held on 13th May 2016																																																																																								
RC 1.1	To consider and approve objectives of the Research Council Resolution: Resolved to approve the objectives of Research Council																																																																																								
RC 1.2	To discuss the present status of PhD admissions Resolution: Resolved to confirm the PhD admissions at different schools and departments as given in the following table.																																																																																								
	<table border="1"> <thead> <tr> <th>Sl. No</th> <th>School/Dept/Center Name</th> <th>Code</th> <th>No. Applicants</th> <th>Available Seats</th> <th>Eligible</th> <th>Seats offered</th> <th>Seats Admitted</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Civil and Environmental Engineering</td> <td>CV</td> <td>12</td> <td>10</td> <td>4</td> <td>3</td> <td>3</td> </tr> <tr> <td>2</td> <td>Electrical & Electronics</td> <td>EE</td> <td>15</td> <td>10</td> <td>14</td> <td>6</td> <td>4</td> </tr> <tr> <td>3</td> <td>Mechanical Engineering</td> <td>ME</td> <td>15</td> <td>13</td> <td>9</td> <td>9</td> <td>6</td> </tr> <tr> <td>4</td> <td>Computer Science & Engineering</td> <td>CS</td> <td>17</td> <td>13</td> <td>15</td> <td>7</td> <td>7</td> </tr> <tr> <td>5</td> <td>Dept. of Biotechnology</td> <td>BT</td> <td>3</td> <td>4</td> <td>3</td> <td>3</td> <td>3</td> </tr> <tr> <td>6</td> <td>Management</td> <td>MS</td> <td>2</td> <td>1</td> <td>2</td> <td>1</td> <td>1</td> </tr> <tr> <td>7</td> <td>Dept. of Social Sciences</td> <td>SS</td> <td>5</td> <td>3</td> <td>5</td> <td>3</td> <td>2</td> </tr> <tr> <td>8</td> <td>Centre for Engineering Education ResSearch</td> <td>EER</td> <td>5</td> <td>2</td> <td>4</td> <td>2</td> <td>1</td> </tr> <tr> <td>9</td> <td>Applied Sciences (Physics, Chem, Maths)</td> <td>AS</td> <td>8</td> <td>21</td> <td>5</td> <td>5</td> <td>5</td> </tr> <tr> <td colspan="2" style="text-align: center;">Total</td> <td>8</td> <td>82</td> <td>77</td> <td>61</td> <td>39</td> <td>32</td> </tr> </tbody> </table>	Sl. No	School/Dept/Center Name	Code	No. Applicants	Available Seats	Eligible	Seats offered	Seats Admitted	1	Civil and Environmental Engineering	CV	12	10	4	3	3	2	Electrical & Electronics	EE	15	10	14	6	4	3	Mechanical Engineering	ME	15	13	9	9	6	4	Computer Science & Engineering	CS	17	13	15	7	7	5	Dept. of Biotechnology	BT	3	4	3	3	3	6	Management	MS	2	1	2	1	1	7	Dept. of Social Sciences	SS	5	3	5	3	2	8	Centre for Engineering Education ResSearch	EER	5	2	4	2	1	9	Applied Sciences (Physics, Chem, Maths)	AS	8	21	5	5	5	Total		8	82	77	61	39	32
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6	Management	MS	2	1	2	1	1																																																																																		
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RC 1.5	Any other subject with the permission of the chair																																																																																								

Action Requested: To confirm the minutes of the previous meeting held on 13th May 2016

Discussion:

Resolution: The minutes of the previous meeting held on 13th May 2016 wereread & confirmed

RC 2.2	To confirm the action taken report on the minutes of the previous meeting held on 13th May 2016																																																																																									
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RC 1.4	To discuss and approve research plans at schools, departments, clusters and centers Resolution: Resolved to approve research plan at schools, departments, clusters and centers. The Focused Research Areas (FRAs) were identified based on Application domains and Research domains.	Schools, Departments, clusters and centers are working as per the approved research plans																																																																																								
RC 1.5	Any other subject with the permission of the chair																																																																																									

Action Requested: The Academic Council is requested to confirm the action taken report on the minutes of the previous meeting held on 13th May 2016

Discussion:

Resolution: Resolved to confirm the action taken report on the minutes of the previous meeting held on 13th May 2016

RC 2.3	To discuss and approve strategic plan of R & D activities
	The strategic plan of R & D activities is presented (given in Aneexure-1)

Action Requested: The Research Council is requested to discuss and approve the strategic plan of R & D activities of KLE Technological University.

Discussion:

Resolution: Resolved to approve the strategic plan of R & D activities of KLE Technological University

RC 2.4	To discuss and approve initiatives to promote R & D activities
	<p>Initiatives to promote R & D activities for the year 2017-18 is presented (given in Annexure-2):</p> <ol style="list-style-type: none"> 1. Budget note 2017 2. Call for Research clusters/groups and Product Design and Development Grants (PDDG) 2017-18 3. Call for capacity building projects 2017-18 4. Guidelines for attending and conducting Conferences, Faculty Development Programs (FDPs) and Staff Development Programs (SDPs) 5. Guidelines for claiming incentives for R&D activities

Action Requested: The Research Council is requested to discuss and approve the initiatives to promote R & D activities for the year 2017-18.

Discussion: Participating in the discussion, Prof. Manjunath suggested that, for administrative simplicity and to provide flexibility, it is better to reduce the classification of research groups, clusters and PDDG faculty groups as research project proposals. To this honorable vice chancellor expressed that there are no administrative overloads involved.

Prof. Manjunath had opinion to have an incentive review committee for reviewing and awarding financial incentives for research activities and also suggested to have two meetings in a semester. Further he also suggested that University should discourage publication of papers without impact factor.

Prof. Manjunath suggested the following:

- to put in-place a bench marking process for R & D activities.
- to have adjunct faculty to interact with faculty and research scholars to enhance external research grants and research work relevant to local problems.
- to have adjunct faculty as co-supervisors.
- to make Teaching Assistance (TA) work compulsory for research scholars.
- not to include budget for expenditure distribution for different heads in the call for research proposals.

Resolution: Resolved to approve the following:

1. Initiatives to promote R & D activities for the year 2017-18:
 - a. Allocation of budget for R & D activities for the year 2017-18.
 - b. Research funding for activities of Research clusters/groups and Product Design and Development Grants (PDDG) 2017-18
 - c. Research funding for capacity building projects 2017-18
 - d. Guidelines for attending and conducting Conferences, Faculty Development Programs (FDPs) and Staff Development Programs (SDPs)
 - e. Guidelines for claiming incentives for R&D activities
2. Resolved to consider the suggestions made by Prof. Manjunath during the call for research proposals in the next phase
3. Also resolved to consider the suggestions made by Prof. Manjunath to constitute the incentive review committee to review and award financial incentives for R & D activities of 2017-18

RC 2.5	To discuss the progress of PhD programs at schools and departments
	<p>Progress of PhD programs for the year 2017-18 is presented and it includes:</p> <ol style="list-style-type: none"> 1. Review of Course work: Results of January 2016 batch of candidates is presented. 2. Review of Seminar and MOOC Courses: List of MOOC and Seminar courses offered and completed at schools and departments is presented. 3. To consider change of supervisor and change of admission category.

1. Review of course work results January 2016 batch of candidates and eligible list of research scholars for comprehensive examination.

Table 5.1: Consolidated results of Ph.D. Coursework, Sept. 2016 and Feb. 2017 Examinations

Sl. No.	Schools	Total Students appeared	Total Students appeared	Total Courses offered	Appeared student-course combinations	Passed student-course combinations	Eligible students for compre
1	School of Civil and Environmental Engg	3	3	5	9	8	-
2	School of Electrical and Electronics Engg	4	4	4	8	7	-
3	School of Mechanical Engg	6	6	13	21	20	3
4	School of Computer Science Engg	7	7	11	27	21	-
5	Departemnt of BioTechnology	3	2	6	7	7	-
6	School of Management Studies and Research	1	1	6	6	6	1
7	Departemnt of Humanities and Social Sciences	2	2	7	9	9	-
8	Center for Engineering Education and Research	1	1	3	3	3	-
9	Departemnt of Applied sciences	5	5	21	28	26	-
	Chemistry	2	2	8	10	9	-
	Physics	3	3	13	18	17	-
	Total	32	31	76	118	107	4

Table 5.2: List of eligible research scholars for comprehensive examination

Sl.No	School	USN	Candidate Name
1.	School of Mechanical Engineering	01PE16RME005	Mr. Sushruth Halewadimath
2.		01PE16RME006	Mr. Vinayak Kulkarni
3.		01PE16RME003	Mr. Nagaraj Ekabote
4.	School of Management Studies and Research	01FM16RBA001	Ms. Anushree Kini

2. Review of Seminar and MOOC Courses.

Table 5.3: Details of MOOC and Seminar courses offered at Schools and Departments

Sl. No.	Schools	MOOC Courses	MOOC Courses Completed	Seminar Courses	Seminar Courses Completed
1	School of Civil and Environmental Engg	-	-	2	0
2	School of Electrical and Electronics Engg	8	2	-	-
3	School of Mechanical Engg	-	-	-	-
4	School of Computer Science Engg	6	2	-	-
5	Departemnt of BioTechnology	-	-	-	-
6	School of Management Studies and Research	-	-	-	-
7	Departemnt of Humanities and Social Sciences	2	0	2	0
8	Center for Engineering Education and Research	-	-	2	2
9	Departemnt of Applied sciences	-	-	5	0
	Chemistry	-	-	2	0
	Physics	-	-	3	0
	Total	16	4	11	2

3. To consider the following:

I. Change of supervisor:

- The RPC has received the request for change of supervisor for the Ph.D Scholar Mrs. Leena V. Hublikar, Dept. of Chemistry, since earlier supervisor has put in his resignation.
- The RPC approves **Dr. Sharanabasav Ganachari**, Center of Material Science, KLE Tech, Hubli as new supervisor to the candidate.

II. Change of admission category: Full Time to Part Time

- The request for change of admission category of the following candidates from School of Computer Science was discussed. (a)Mr. Kiran Jade : 01FE16RCS003 Supervisor: Dr. P.S. Hiremath (b)Mrs. Archana Sidhanti : 01FE16RCS001 Supervisor : Dr. S.G.Totad.
- The following decisions were taken by the RPC for conversion of admission category from Full time to Part time.
 - a. The candidate must take concurrence from the employer and must produce No objection certificate from the employer for carrying out the research at KLETech on part time basis.
 - b. The candidate must be situated within the jurisdiction of KLE Technological University.

Action Requested: The Research Council is requested to discuss and approve the progress of Jan 2016 PhD candidates for the year 2017-18.

Discussion:

Resolution: Research council reviewed the progress of PhD programs at schools and departments and approved the following:

1. Results of course work of Jan 2016 batch of research scholars are reviewed and approved.
2. List of MOOC and seminar courses offered is reviewed and approved.
3. List of eligible research scholars for comprehensive examination is reviewed and approved.
4. RPC recommendations for Change of supervisor of Ph.D Scholar Mrs. Leena V. Hublikar, Department of Chemistry, is reviewed and approved.
5. Research Council recommended to seek the following information from the part-time research scholars:
 - a. Willingness to spend 2 days/week to contribute towards their research work.
 - b. Place of work indicating that it is within 100km from the University.
 - c. No Objection Certificate (NOC) from the employer.

RC 2.6 (Information agenda) To discuss the progress of research activities at schools, departments, clusters and centers (KLETech+BVCET)

Summary of progress of research activities at schools departments, clusters and centers are presented (Information)

1. Summary of VTU PhD programs
2. Summary of publications
3. Summary of institute funded capacity building projects
4. Summary of REU

1. Summary of VTU PhD programs

BVCET has 13 research centers affiliated to VTU with 50 doctoral faculty guiding 140 registered research scholars. Awarded Doctoral and MS candidates from these research centers are 28 and 2 respectively. The Table 3.1 presents details about the research-centers and summarized details are:

- Research centers:13
- Registered guides:62
- Registered doctoral candidates:121
- Number of Thesis submitted in 2016-17:09
- Total number of doctoral degrees awarded:25 PhD + 2 MSc

Table-6.1: Details of registered and awarded candidates at 13 research centers

SI.NO	Department	No. of Faculty with PhD	No.of PhD/MSc registered	No.of PhD/MSc Submitted	Degree awarded
1	Automobile	2	2	00	00
2	Biotechnology	3	4	00	00
3	Civil	10	15	00	03
4	Computer Science	9	21	05	02
5	Electrical & Electronics	2	3	00	01
6	Electronics & Communication	8	25	00	04+1
7	Instrumentation Technology	2	4	00	00
8	Industrial Production	4	6	01	03
9	Mechanical	8	18	03	11+1
10	Physics	3	12	00	01
11	Chemistry	4	2	00	00
12	Mathematics	6	5	00	00
13	Master of Business Administration	1	4	00	00
	Total	62	121	09	25+2

2. Summary of publications

The following table summarizes the number of publications of research work in refereed conferences and journals at national and international level.

Table 6.2: Summary of papers published during 2012-13, 2013-14, 2014-15 & 2015-16

Year	Int Journal		National Journal	Int. Conf.	National Conf.	Total	Impact factor
	Impact Factor (IF)	Without Impact Factor (IF)					
2012-13	20	43	01	29	18	111	Av. IF=1.630 Maximum=5.96
2013-14	40	107	07	154	36	344	Av. IF=1.510 Maximum=4.357
2014-15	50	82	16	120	58	326	Av. IF=1.84 Maximum=5.510
2015-16	23	42	3	103	4	175	Av. IF=1.01 Maximum=5.46
2016-17	24	85	8	86	17	220	Av. IF=0.325 Maximum=6.8
Total	157	359	35	492	133	1176	

Table 6.3: Summary of papers published and indexed in Scopus, Web of Science and Google Scholar

Consolidated list of publications from year 2013-14 to 2016-2017

Dept.	Scopus				Web science				Google scholar			
	Indexed		Citations		Indexed		Citations		Indexed		Citations	
	2013-2015	2016-2017	2013-2015	2016-2017	2013-2015	2016-2017	2013-2015	2016-2017	2013-2015	2016-2017	2013-2015	2016-2017
AR	2	0	0	0	0	0	0	0	6	0	0	0
Auto	12	10	20	21	13	14	13	0	14	29	37	33
BT	0	05	0	02	3	10	0	0	30	15	48	23
Civil	14	4	0	14	0	0	0	0	62	3	62	7
CSE	29	19	2	26	0	0	0	0	83	14	36	83
E & E	9	1	3	0	0	0	0	0	18	4	13	1
ECE	26	25	64	55	0	0	0	0	61	65	96	29
IP	17	19	454	275	8	9	9	233	22	29	739	505
ISE	19	42	12	39	0	8	0	0	68	60	38	94
IT	0	7	0	8	3	0	0	0	0	5	0	10
Mech	22	21	327	370	5	0	2	0	101	41	743	413
MCA	51	5	98	97	0	0	0	0	43	14	642	363
Phy	20	5	115	63	15	0	25	0	35	4	135	90
Maths	0	1	13	4	0	0	0	0	28	8	44	20
Chem	0	0	0	0	0	0	0	0	0	0	0	0
MBA	0	0	0	0	0	0	0	0	0	11	0	0
Humanities	0	0	0	0	0	0	0	0	0	0	0	0
Total	221	164	1108	974	47	41	49	233	571	302	2633	1671

3. Summary of Institute funded capacity building projects:

Capacity building projects are funded by the institute with the following objectives:

- To build research capabilities
- To provide the experience of carrying out the research project
- To facilitate the process of applying to external funding agencies

Table 6.4: Summary of capacity building projects

Year	Sanctioned projects/ total	Sanctioned amount	Utilized amount	REU Student	PhD/ M.Tech	Papers published	Applied for external projects	External sanctioned projects
2011-12	17	9.9L	8.48 L	09	17	08	5 DST +1 NRB +3VGST+8AICTE	1 (10 L)
2012-13	14	12.44 L	8.48 L	06	12	5+4 C	10 AICTE	1 (40 L)
2013-14	14/19	11.6	9.76 L	06	10	5 C	VGST	20.0L
2014-15	22/24	14.07 L	2.29 L	06	05	3IJ +3C	2VGST+ 5 Agri Uni	03 (14.0 L)
2015-16	15/19	13.025 L	-	-	-	-	-	-

4. Research Experience for Undergraduates (REU)

Undergraduate research opportunities help the student to experience and learn how to identify and define the problems and solve them, how to find and evaluate evidence, how to consider and assess competing interpretations, how to form and test their own analysis and interpretations and how to communicate their ideas and findings. These learning's enable them to take part in the research missions in their future career inside or outside academia.

Probably our college is the first institution in India to introduce 'Research Experience for Undergraduate (REU)s' in the curriculum as an optional course. The response from the students and faculty mentors has been overwhelmingly positive. The students and faculty mentors have devoted considerable time and effort to make the experience worthwhile and fruitful.

Table 6.5: Summary of REU projects

Year	# REU students	# Guides	# publications	# PGs from REU
2011-12	18	22	25	8
2012-13	31	40	20	8
2013-14	30	44	23	5
2014-15	46	48	26	4
2015-16	67	54	55	8
2016-17	68	60	30	-

Discussions:

Prof. Manjunath suggested to present the publications data in graphical form to know the trend

Annexure 1

Theme 2 (as indicated in the strategic plan of KLE Technological University) **Impactful Research & Development**

KLE Tech will actively nurture and organize its research efforts and creative endeavors to enhance regional, national and global impact and reputation as a research, technology and Intellectual Property (IP) intensive university

Improving our performance in research / technology /IP metrics is a necessary step for obtaining credibility and resources needed to elevate KLE Tech in the Indian higher education system. A greater part of our research effort will be aligned / concentrated in the areas of national interest. We need to build on these areas to develop substantial research strengths through selective strategic investments, research leadership and support. This selective strategic investment will need to also comprehend the increasingly important inter-disciplinary areas.

1. Focus

Develop substantial research strengths by aligning the areas of university strengths with those of national interest and local societal development - by selective strategic investments, leadership and support

- a. Evolve strategic research roadmap for each school by identifying Focused Research Areas (FRAs) that build on present strengths and future opportunities
- b. Ensure the alignment of FRAs with areas of national strategic, as well as local societal, importance and priority.
- c. Implement an integrated and coherent university-wide approach to planning, delivering, managing and funding research across all the schools.

2. Interdisciplinary Research Centers

Build strategic aggregations of people and programs to strengthen inter-disciplinary areas of research & development that will allow us to compete successfully, and provide the ability to create innovative technology and solutions to societal needs.

- a. Promote and support interdisciplinary research and development centers that leverage depth and breadth of our expertise to address the complex problems faced by our nation and the world.
- b. Ensure that these centers give priority to problems/opportunity-focused projects/products that demonstrate successful interdisciplinary collaboration and address the market needs through innovation, intellectual property, and technology translation.

3. Funding

Foster a supportive environment for research by facilitating access to internal grants, and providing strategic expertise to maximize external grants.

- a. Build and grow university research funds, for providing internal support to schools and research centers to enhance their research and development profile.
- b. Establish appropriate processes to provide seed funding for research projects that can be leveraged in obtaining external grants.
- c. Seek funding from governments, research agencies and industry to sustain the research initiatives and enable specific research projects
- d. Drive the commercialization of research and technology transfer, through mechanisms such as licensing, patents, creating spin-off companies and incubating / supporting external entrepreneurs.

4. Programs

Enhance quality and relevance of doctoral research programs to emerge as an institution of choice for researchers.

- a. Continue to invest in research capacity development to attract and support more doctoral / post-doctoral students in disciplinary and interdisciplinary FRAs
- b. Strengthen the interconnectivity between research, technology development / translation, and teaching/learning, including the participation of undergraduate and postgraduate students in university research programs.
- c. Evolve innovative enrollment strategies to recruit and support researchers and personnel from industry.

Annexure 2

Budget Note-2017

1. **R&D PLATFORMS:** To promote research in emerging and high impact areas, the institute has undertaken initiative to identify and nurture research clusters/research groups (RC/RGs) and fund for **Product Design and Development initiatives**. Our aim is to develop these clusters/groups to a level of competency that, they can further emerge as Centers of Excellence (CoE).

- **Definitions**

- **Research Center:** Encompass the research activities at the department level. There can be multiple areas of research pertaining to the disciplines based on the faculty expertise available in the department. These centers will also focus on offering of formal degree like MS and PhD. They will also contribute towards imparting research experience for UG and PG students via programs like Research Experience for Undergraduates (REU).
- **Research Cluster (RC):** Research Cluster is theme centered, e.g. energy, material science, ESDM etc. These centers synergize the efforts and expertise of faculty across the departments and create a platform towards building higher levels of inter-disciplinary research/development/technology-translation/productivity. The aim is to get recognition and visibility in a chosen theme.
- **Research Group (RG):** This is similar to RC, however collaborating faculty can be from the same department or across departments. Research group leads to initiation of research clusters in the collaborating area over a period of time.
- **Centre of Excellence (CoE):** The identification of RC/RGs will be based upon need of the institution, talent, passion and the ecosystem, which will sustain to evolve into CoEs. This will help to identify the clusters of competence, which then go through 2 phases before emerging as CoEs. In Phase-1, RCs define roadmap, orient research and build capacity. In Phase-2, RCs contribute towards publications, funded research and consultancy projects, patents etc. before elevating to CoE. CoEs will collaboratively work with CTIE, CIPD.
- **Product Design and Development Grant (PDDG):** This grant is given to a faculty or group of faculty who involve in product innovation, design and development activity of the institute and supports start-ups and industry. These faculty groups bring together the skill set and expertise of multidisciplinary group of researchers from schools, departments, RCs/RGs and industry towards technology translation, design and development activity of a product.
- **Capacity Building:** Capacity Building is development of faculty qualifications and orientation, and hard and soft infrastructure to initiate and grow the research activity in an area aligned with school/department focus areas.
- The objectives of RC/RGs or PDDG are to enable focused research, attract funding, IP generation, productizations, start-up support, and synergize the efforts of faculty and students to gain greater recognition for the institution at National and International level.
- The identification of RC/RGs or PDDG faculty groups will be based upon need of the institution, talent, passion and the ecosystem, which will sustain them, and then eventually lead to recognition as CoEs.
- Human resources: Each RC/RG may recruit Research Associates (junior or senior) to carry out the research activities of the cluster/group.
- Each RC/RG needs to provide roadmap for 3 years, fund release for the first year is subject to the acceptance of the roadmap, and however subsequent fund release depends on the success of the roadmap.
- Faculty or group of faculty applying for PDDG can recruit research associates and the group needs to provide roadmap for 3 years, fund release for the first year is subject to

the acceptance of the roadmap, and however subsequent fund release depends on the success of the roadmap.

- 3 to 4 RC/RGs and PDDG need to be identified in 2017 by sending the call for proposals.
- The budget for each RC/RG or PDDG faculty group is 30 to 50L.
- Details of heads for each RC/RG or PDDG faculty group and the total budget are:

Sl.No	Head	Budget
1	CapEx-Equipment, facility	12.50L
2	4 to 6 RAs with an average salary of 25,000/PM (25,000/PMx6=1.5Lx12)	18.00L
3	Others	7.00L
	Travel 3.00L	
	Training 1.00L	
	Patenting 3.00L	
	Total budget for each RC/RG or PDDG faculty group	37.50L

(The above expenditure distribution are suggestive, based upon the need of RC/RG or PDDG there can be variations)

Total budget for RC/RGs and PDDGs = 37.50*4= 150.00 L

2. **Capacity building:** Capacity building projects are initiated and funded by the institute to enhance the research activity.

- Objectives
 - To enhance the research capability of the faculty and research center/cluster/group.
 - To provide experience of carrying out the research project.
 - To facilitate the process of applying to external funding agencies.
- The budget for capacity building is increased to 50L.
- Maximum funding for each project: Maximum funding for each project has been increased from 1L to 5L, higher than 5L can be considered based on the merit of the proposal.
- Funding includes Capital expenditure like equipment, lab facilities and recurring expenditure like manpower (research project assistants with around 5K to 10K per month salary), travel and consumables.

3. **Others:** Other head includes the following.

- Attending Conferences:
 - Outside India: Registration + Max of Rs.15,000(Faculty are encouraged to apply for external funding for travel).
 - Within India: Registration + Travel (II A/C train or A/C sleeper bus).
- Conducting Conferences: National and/or International level.
- Faculty Development Programs (FDPs) and Staff Development Programs (SDPs) to attend and to conduct.
 - Maximum of Rs.50,000/ to conducting FDP.
 - Registration, travel (II A/C) and accommodation is provided to attend FDPs.
- Patenting: Depending on the merit of the application, patent fee and other related fees are permitted.
- Incentives for guiding PhDs, quality paper publications, book chapters and external research funding
 - Faculty guiding internal Ph. D candidates: KLE Tech University Research

supervisors can claim the following:

- i. Rs. 40,000/- per candidate after the successful completion of the degree of the candidate within stipulated period of the university (6 years).
 - ii. Rs. 60,000/- per candidate after the successful completion of the degree of the candidate one year prior to the stipulated period of the university (5 years).
- b. External funded project: PI of KLETech university shall claim 5% of the sanctioned amount of the external funded project after the submission of Utilization Certificate (UC).
- c. Authors of International Journal paper, book, book chapters shall claim according to the following table after the paper/chapter/book is been published.

S.No	Publication type (Only non-paid journals and Thomson Reuters Impact factor is considered)	Incentive Amount
1	Non paid Journals with Impact factor up to 0.5	Rs. 3,000/-
2	Non paid Journals with Impact factor 0.5 to 1.0	Rs. 5,000/-
3	Non paid Journals with Impact factor 1.01 to 1.5	Rs. 7,000/-
4	Non paid Journals with Impact factor 1.5 and above	Rs.10,000/-
5	Following Journals irrespective of impact factors: ASME, ASCE, ACM, IEEE, Springer, Elsevier, SAE, ASEE	Rs.10,000/-
6	Book/ Book chapters with Springer, MGH, Person, CRC press, Oxford University Press, international publishers	Rs.10,000/-

- d. All request letters for the incentives of R & D activities shall be submitted to Dean R & D, forwarded by school heads/HODs in the prescribed format with necessary documents for further processing. The school head/HOD should ensure all criteria are satisfied before forwarding to Dean R&D.

4. Total Budget: Research clusters and groups(150L) +Capacity building (50L) +Others(50L) = 250L

SL No.	Head planned	Amount in L
1	Research clusters and groups	150.00L
2	Capacity building	50.00L
3	Others	50.00L
	1. Conferences to conduct : 10.00	
	2. Conference to attend : 15.00	
	3. Training (FDPs) : 10.00	
	4. Patenting : 10.00	
	5. Incentives : 5.00L	
		250.00L

Call for

Research Clusters/Groups (RCs/RGs) or Product Design and Development Grants (PDDG) 2017-18

The KLETechnological University invites the proposals from Research Clusters or groups (RCs/RGs) and Product Design and Development Grants (PDDG)

- **Last date to submit the proposal: 20.04.2017**
- **Why:** To promote research in emerging and high impact areas, the institute has undertaken initiative to identify/establish research clusters and PDDG faculty groups. Our aim is to develop these clusters/groups or PDDG faculty groups to a level of competency that, they can further emerge as centers of excellence(CoE).
- **Guidelines for applying**
 - **Definitions**
 - **Research Center:** Encompass the research activities at the department level. There can be multiple areas of research pertaining to the disciplines based on the faculty expertise available in the department. These centers will also focus on offering of formal degree like MS and PhD. They will also contribute towards imparting research experience for UG and PG students via programs like Research Experience for Undergraduates (REU).
 - **Research Cluster (RC):** Research Cluster is theme centered, e.g. energy, material science, ESDM etc. These centers synergize the efforts and expertise of faculty across the departments and create a platform towards building higher levels of inter-disciplinary research/development/technology-translation/productivity. The aim is to get recognition and visibility in a chosen theme.
 - **Research Group (RG):** This is similar to RC, however collaborating faculty can be from the same department or across departments. Research group leads to initiation of research clusters in the collaborating area over a period of time.
 - **Centre of Excellence (CoE):** The identification of RC/RGs will be based upon need of the institution, talent, passion and the ecosystem, which will sustain to evolve into CoEs. This will help to identify the clusters of competence, which then go through 2 phases before emerging as CoEs. In Phase-1, RCs define roadmap, orient research and build capacity. In Phase-2, RCs contribute towards publications, funded research and consultancy projects, patents etc. before elevating to CoE. CoEs will collaboratively work with CTiE, CIPD.
 - **Product Design and Development Grant (PDDG):** This grant is given to a faculty or group of faculty who involve in product innovation, design and development activity of the institute and supports start-ups and industry. These faculty groups bring together the skill set and expertise of multidisciplinary group of researchers from schools, departments, RCs/RGs and industry towards technology translation, design and development activity of a product.
 - **Formation of Research group/cluster:** The Research Cluster need to satisfy the following points.
 - Minimum of Two doctoral faculty collaboratively working together in a research area.
 - The research area needs to be in alignment with the focused research areas of school/s or departments/university.
 - The research area needs to connect to the thrust areas of external funding agencies and/or already existing external funded projects.
 - **Proposal under PDDG:** Faculty or group of faculty wish to apply for PDDG need to satisfy the following points.
 - Minimum of One doctoral faculty preferably with industry experience with the background of product development, collaboratively working with start-up or industry towards a product, or technology translation.
 - The area of product needs to be in alignment with the start-ups or industry

- The objectives of RCs/RGs are to enable focused research, attract funding, IP generation and synergize the efforts of faculty and students to gain greater recognition for the institution at National and International level.
- The objectives of PDDG faculty group are to enable product validation, development, productization, collaboration with start-ups, support to the student projects for commercialization and synergize the efforts of faculty and students to gain greater recognition for the institution at National and International level.
- Human resources: Each research cluster/research group/PDDG faculty group may recruit Research Associates (junior or senior) to carry out the research/productization activities.
- Each research cluster/research group/PDDG faculty group needs to have roadmap for 3 years, fund release for the first year is subject to the acceptance of the roadmap, and however subsequent fund release depends on the success of the roadmap.
- Details of heads and the total budget for the year 2017 are:

Sl.No	Head	Budget
1	CapEx-Equipment, facility	12.50L
2	4 to 6 RAs with an average salary of 25,000/PM (25,000/PMx6=1.5Lx12)	18.00L
3	Others <ul style="list-style-type: none"> • Travel 3.00L • Training 1.00L • Patenting 3.00L 	7.00L
Total budget for each RC/RG or PDDG faculty group		37.50L

(The above expenditure distribution are suggestive, based upon the need of RC/RG or PDDG there can be variations)

- **Format for the submission of RC/RG or PDDG faculty group:**
 - i. Name of the RC/RG or PDDG faculty group:
 - ii. Research focus area and field:
(In alignment with the school focus areas/start-ups/Industry)
 - iii. List of Faculty in RC/RG or PDDG faculty group:
 - iv. Total budget required in 2017:
 - v. Details of RC/RG or PDDG faculty group: (to include objectives, key differentiation, collaborative efforts, utilization of national resources, specific outcomes wrt papers, patents, technologies, prototypes/products, students/degrees, etc
 - vi. Biodata of Faculty:

Name and Signature of Faculty coordinator

Date

Call for capacity building projects: 2017-18

The KLETechnological University invites the proposals from the faculty for institute funded capacity building projects

- **Last date to submit the proposals:** 20.04.2017
- **Guidelines for capacity building projects**
 1. Capacity Building is development of faculty qualifications and orientation, and hard and soft infrastructure to initiate and grow the research activity in an area aligned with school/department focus areas.
 2. Capacity building projects are initiated and funded by the institute to enhance the research activity. Objectives are:
 - To enhance the research capability of the faculty and research center/cluster/group.
 - To provide experience of carrying out the research project.
 - To facilitate the process of applying to external funding agencies.
 3. Maximum funding for each project is 5L, higher than 5L shall be considered based on the merit of the proposal.
 4. Funding includes; (i) capital expenditure like equipment, lab facilities, (ii) recurring expenditure like manpower, travel and consumables.
 - Note: Research project assistants with salary around 5K to 10K per month shall be recruited under capacity building projects up to max period of 11 months. (Look for BE students who are planning to do MS/MTech and have not joined the jobs.)
 5. **Format for the submission of capacity building projects:**
 - i. Project title:
 - ii. Research focus area and field:
(In alignment with the school focus areas)
 - iii. Duration (in months) :
 - iv. Total cost:
 - v. Name of Investigator/s (PI and Co-PI/s):
 - vi. School/Department/Research cluster(RC)/group:
 - vii. Collaborating departments/RCS if any:
 - viii. Project summary :
(needs to include, what, why and **specific outcomes wrt papers, patents, technologies, prototypes/products, students/degrees, etc**)
 - ix. Budget estimates :
 - x. Bio-data of investigator/s:

Name and Signature of PI

Name and Signature of School Head/HOD

Date:

Guidelines for attending and conducting, conferences, FDPs and SDPs

1. Attending Conferences: All the faculty can avail the following facility for presenting a paper at national/international conference.
 - a. Only one registration per paper is permitted.
 - Outside India: Registration + Max of Rs.15,000 for travel (Faculty are encouraged to apply for external funding for travel).
 - Within India: Registration + Travel (II A/C) + Accommodation.
 - b. Faculty are permitted to attend maximum of two conferences in a year.
 - c. Sharing of experience by the faculty with the school/department is necessary.
2. Conducting conferences: The following facility is provided to conduct conferences
 - a. Each school/department can conduct one national / international conference
 - b. Maximum of 4L is provided to conduct National conferences.
 - c. Maximum of 10L is provided to conduct International conferences.
3. Attending Faculty Development Programs (FDPs) and Staff Development Programs (SDPs)
 - a. Each faculty/staff can attend maximum of 2 FDPs/SDPs.
 - b. Registration, travel (II A/C) and accommodation is provided.
4. Conducting Faculty Development Programs (FDPs) and Staff Development Programs (SDPs)
 - a. Each school can conduct maximum of 4 FDPs and 2 SDPs, and department can conduct maximum of 2 FDPs and 1 SDP.
 - b. Maximum of Rs.50,000/ is provided to conduct FDPs/SDPs.
5. Patenting: Depending on the merit of the applications, patent fee and other related fees are permitted.
6. All request letters shall be submitted to Dean R & D, forwarded by school heads/HODs with necessary documents for further processing. The school head/HOD should ensure all criteria are satisfied before forwarding to Dean R&D.

Guidelines for claiming incentives for R&D activities

Faculty can claim incentives for guiding PhDs, quality paperpublications and external research funding

1. Faculty guiding internal Ph. D candidates: KLE Tech University Research supervisors can claim the following:
 - a. Rs. 60,000/- per candidate after the successful completion of the degree of the candidate one year prior to the stipulated period of the university (5 years).
 - b. Rs. 40,000/- per candidate after the successful completion of the degree of the candidate within stipulated period of the university (6 years).
2. External funded project: PI of KLETech university shall claim 5% of the sanctioned amount of the external funded project after the submission of Utilization Certificate (UC).
3. Authors of International Journal paper or book or book chapter shall claim according to the following table after the paper is been published. Also provide the document for impact factor.

S.No	Publication type (Only non-paid journals and Thomson Reuters Impact factor is considered)	Incentive Amount
1	Non paid Journals with Impact factor up to 0.5	Rs. 3,000/-
2	Non paid Journals with Impact factor 0.5 to 1.0	Rs. 5,000/-
3	Non paid Journals with Impact factor 1.01 to 1.5	Rs. 7,000/-
4	Non paid Journals with Impact factor 1.5 and above	Rs.10,000/-
5	Following Journals irrespective of impact factors: ASME, ASCE, ACM, IEEE, Springer, Elsevier, SAE, ASEE	Rs.10,000/-
6	Book/Book chapters with Springer, MGH, Person, CRC press, Oxford University Press, international publishers	Rs.10,000/-

4. All request letters for the incentives of R & D activities shall be submitted to Dean R & D, forwarded by school heads/HODs in the prescribed format with necessary documents for further processing. The school head/HOD should ensure all criteria are satisfied before forwarding to Dean R&D.



Research and Development

Guidelines and formats: 2019-20

- a. Guidelines for attending and conducting, conferences, FDPs and SDPs
- b. Guidelines for claiming incentives for R&D activities
- c. Application for attending and conducting conferences, FDPs and SDPs
- d. Application for claiming Incentives

6a. Guidelines for attending and conducting, conferences, FDPs and SDPs

1. Attending Conferences: All the faculty can avail the following facility for presenting a paper at national/international conference.
 - a. Only one registration per paper is permitted.
 - Outside India: Registration + Max of Rs.15,000 for travel (Faculty are encouraged to apply for external funding for travel).
 - Within India: Registration + Travel (II A/C) + Accommodation.
 - b. Faculty are permitted to attend maximum of two conferences in a year.
 - c. Sharing of experience by the faculty with the school/department is necessary.
2. Conducting conferences: The following facility is provided to conduct conferences
 - a. Each school/department can conduct one national / international conference
 - b. Maximum of 4L is provided to conduct National conferences.
 - c. Maximum of 10L is provided to conduct International conferences.
3. Attending Faculty Development Programs (FDPs) and Staff Development Programs (SDPs)
 - a. Each faculty/staff can attend maximum of 2 FDPs/SDPs.
 - b. Registration, travel (II A/C) and accommodation is provided.
4. Conducting Faculty Development Programs (FDPs) and Staff Development Programs (SDPs)
 - a. Each school can conduct maximum of 4 FDPs and 2 SDPs, and department can conduct maximum of 2 FDPs and 1 SDP.
 - b. Maximum of Rs.50,000/ is provided to conduct FDPs/SDPs.
5. Patenting: Depending on the merit of the applications, patent fee and other related fees are permitted.
6. All request letters shall be submitted to Dean R & D, forwarded by school heads/HODs with necessary documents for further processing. The school head/HOD should ensure all criteria are satisfied before forwarding to Dean R&D.

6b. Guidelines for claiming incentives for R&D activities

Faculty can claim incentives for guiding PhDs, quality paper publications and external research funding

1. Faculty guiding internal Ph. D candidates: KLE Tech University Research supervisors can claim the following:
 - a. Rs. 60,000/- per candidate after the successful completion of the degree of the candidate one year prior to the stipulated period of the university (5 years).
 - b. Rs. 40,000/- per candidate after the successful completion of the degree of the candidate within stipulated period of the university (6 years).



Research and Development

2. External funded project: PI of KLETech university shall claim 5% of the sanctioned amount of the external funded project after the submission of Utilization Certificate (UC).
3. Quality paper publications:
 - a. Faculty who are authors of international journal paper shall claim according to the following table after the paper is been published. Also provide the document for impact factor.
 - b. Authors need to submit the application within one year from the date of publication.

S.No	Publication type (Only non-paid journals and Thomson Reuters Impact factor is considered)	Incentive Amount
1	Non paid Journals with Impact factor up to 0.5	Rs. 3,000/-
2	Non paid Journals with Impact factor 0.5 to 1.0	Rs. 5,000/-
3	Non paid Journals with Impact factor 1.01 to 1.5	Rs. 7,000/-
4	Non paid Journals with Impact factor 1.5 and above	Rs.10,000/-
5	Following Journals irrespective of impact factors: ASME, ASCE, ACM, IEEE, Springer, Elsevier, SAE, ASEE	Rs.10,000/-
6	Book with Springer, MGH, Pearson, CRC press, Oxford University Press, international publishers	Rs.10,000/-

4. All request letters for the incentives of R & D activities shall be submitted to Dean R & D, forwarded by school heads/HODs in the prescribed format with necessary documents for further processing. The school head/HOD should ensure all criteria are satisfied before forwarding to Dean R&D.



Research and Development

6c. Application for attending and conducting conferences, FDPS and SDPs

(Tick mark against the relevant information)

For attending conference/ workshop/FDP /SDP or presenting conference paper

For conducting conference/ workshop/FDP/SDP

Name of the Faculty:

School/Department/Centre:

Title of the Event to be Attended / Organized:

Reason for attending the event:

Value add to the institute:

Name of the host Institute/Organization:

Date & Timings:

Mode of Travel:

Registration Amount:

Estimated Amount for TA & DA:

Advance Amount required (TA & DA):

Faculty Sign

Forwarded by

Approved by

HOD

Dean R&D



Research and Development

Enclosure: Details on previously Attended and Conducted events

For the Period: **April 2019 to March 2020**

Attended FDP/SDP	Workshop Attended
1.	1.
2.	2.

For the Period: **April 2019 to March 2020**

Attended Conference & Paper details within India	Attended Conference & Paper details outside India
1.	1.
2.	2.

For the Period: **April 2019 to March 2020**

Conducted FDP/ SDP	Conducted Conference	Conducted Workshop
1.	1.	1.
2.	2.	2.

Note: Add rows if required



Research and Development

6d. Application for claiming Incentives for Guiding internal PhD candidate

From,

Name

Designation

Dept of the Applicant

To,

The Registrar,

KLE Technological University,

Hubballi-580031

Through Dean R & D

Subject: Request for the sanction of financial incentive towards guiding a Ph.D candidate.

Sir,

As per the above subject, I request you to sanction Rs. 40,000/- (Forty Thousand) for the successful completion of Doctorate Degree of the following candidate.

Name of the PhD student	USN	Title of Thesis	Date of Viva

Kindly Sanction.

My Account details are:

Name:

Syndicate Bank Account Number:

Thanking You,

Yours faithfully,

Applicant Faculty

HOD

Dean R and D

Enclosures: 1. Degree Certificate.



Research and Development

6d. Application for claiming Incentives for external funded project

From,

Name

Designation

Dept of the Applicant:

To,

The Registrar,

KLE Technological University,

Hubballi-580031

Through Dean R & D

Subject: Request for the sanction of financial incentive towards external funded project.

Sir,

As per the above subject, I request you to sanction Rs...../- (5% of the sanctioned amount) for the successful completion of funded project with the following details.

Reference No. of Project sanction letter with date	Project sanctioning organization	Title of the project	Amount	Utilization Certificate submitted date

My Account details are:

Name:

Syndicate Bank Account Number:

Thanking You,

Yours faithfully,

Applicant Faculty

HOD

Dean R and D

Enclosures: 1. Sanction letter

2. Utilization Certificate/Completion certificate



Research and Development

6d. Application for claiming Incentives for publications in Non-Paid Journals

From,

Name

Designation

Dept of the Applicant

To,

The Registrar,

KLE Technological University,

Hubballi-580031

Through Dean R & D

Subject: Request for the sanction of financial incentive towards for Publication in the International Journal with Impact Factors

Sir,

As per the above subject, I request you to sanction Rs./- (Please see the guidelines) for the successful publication of the paper with the following details.

Name/s of the authors	Title of the Paper	Name of the Journal/Book	Publisher	Impact Factor	Amount claimed(X)

Kindly Sanction.

My Account details are:

Name:

Syndicate Bank Account Number:

Thanking You,

Yours faithfully

Applicant Faculty

HOD

Dean R and D

Enclosures: 1. Copy of the Paper

2. Documents Proof of International Journal with Impact Factors.

KLE TECHNOLOGICAL UNIVERSITY, HUBBALLI - 580031

Incentives for the Year 2019-20

Name of full time teachers receiving awards from state level, national level, international level	Year of Award	Paid in Financial Year	PAN	Designation	Amount (Rs)	Name of the Awarding Agency	Incentives/Type of the incentive given by the HEI in recognition of the award
Arun Patil	2020	2020-21	AYYPP8015A	Assistant Professor	871.00	KLE Technological University	Incentives for Publications
Arun Patil	2020	2020-21	AYYPP8015A	Assistant Professor	2,772.00	KLE Technological University	Incentives for Publications
Arun Patil	2020	2020-21	AYYPP8015A	Assistant Professor	10,000.00	KLE Technological University	Incentives for Publications
Dr Uday Muddapur	2020	2020-21	AQJPM3143M	Professor	10,000.00	KLE Technological University	Incentives for Publications
Dr Uday Muddapur	2020	2020-21	AQJPM3143M	Professor	10,000.00	KLE Technological University	Incentives for Publications
Dr N R Banapurmath	2020	2020-21	AEJPB8954K	Professor	10,000.00	KLE Technological University	Incentives for Publications
Dr N R Banapurmath	2020	2020-21	AEJPB8954K	Professor	10,000.00	KLE Technological University	Incentives for Publications
Dr R M Banakar	2020	2020-21	ADFPB8898M	Professor	40,000.00	KLE Technological University	Incentive for Ph.D Award
Dr Uma Mudenagudi	2020	2020-21	AEZPM9838F	Professor	32,500.00	KLE Technological University	Incentive for external Funded Projects
Dr Shankar Hallad	2020	2020-21	AHWP4791C	Research Scientist	3,900.00	KLE Technological University	Incentives for Publications
Dr Shankar Hallad	2020	2020-21	AHWP4791C	Research Scientist	3,900.00	KLE Technological University	Incentives for Publications
Dr Shankar Hallad	2020	2020-21	AHWP4791C	Research Scientist	900.00	KLE Technological University	Incentives for Publications
Dr Shankar Hallad	2020	2020-21	AHWP4791C	Research Scientist	900.00	KLE Technological University	Incentives for Publications
Dr Jayachandra S Y	2020	2020-21	AIVPJ3436G	Research Scientist	2,900.00	KLE Technological University	Incentives for Publications
Dr Sharanabasava Ganachari	2020	2020-21	AZQPG1211N	Research Scientist	3,900.00	KLE Technological University	Incentives for Publications
Dr Sharanabasava Ganachari	2020	2020-21	AZQPG1211N	Research Scientist	3,900.00	KLE Technological University	Incentives for Publications
Dr Sharanabasava Ganachari	2020	2020-21	AZQPG1211N	Research Scientist	3,900.00	KLE Technological University	Incentives for Publications
Dr Uma Mudengudi	2019	2019-20	AEZPM9838F	Professor	40,000.00	KLE Technological University	Incentive for Ph.D Award
Dr Siddhalingeswar I G	2019	2019-20	AFQPG9939K	Professor	40,000.00	KLE Technological University	Incentive for Ph.D Award
Dr Siddhalingeswar I G	2019	2019-20	AFQPG9939K	Professor	40,000.00	KLE Technological University	Incentive for Ph.D Award
Dr Meena S M	2019	2019-20	AEMPM7767C	Professor	40,000.00	KLE Technological University	Incentive for Ph.D Award
Dr A M Sajjan	2019	2019-20	BBRPS5252H	Assistant Professor	1,00,000.00	KLE Technological University	Incentive for external Funded Projects
Sharanabasava Ganachari	2019	2019-20	AZQPG1211N	Research Scientist	10,000.00	KLE Technological University	Incentives for Publications
Sharanabasava Ganachari	2019	2019-20	AZQPG1211N	Research Scientist	10,000.00	KLE Technological University	Incentives for Publications
N R Banapurmath	2019	2019-20	AEJPB8954K	Professor	10,000.00	KLE Technological University	Incentives for Publications
N R Banapurmath	2019	2019-20	AEJPB8954K	Professor	10,000.00	KLE Technological University	Incentives for Publications

Name of full time teachers receiving awards from state level, national level, international level	Year of Award	Paid in Financial Year	PAN	Designation	Amount (Rs)	Name of the Awarding Agency	Incentives/Type of the incentive given by the HEI in recognition of the award
N R Banapurmath	2019	2019-20	AEJPB8954K	Professor	10,000.00	KLE Technological University	Incentives for Publications
N R Banapurmath	2019	2019-20	AEJPB8954K	Professor	10,000.00	KLE Technological University	Incentives for Publications
Arun Patil	2019	2019-20	AYYPP8015A	Assistant Professor	10,000.00	KLE Technological University	Incentives for Publications
Jayachandra S Y	2019	2019-20	AIVPJ3436G	Research Scientist	10,000.00	KLE Technological University	Incentives for Publications
Dr A M Sajjan	2019	2019-20	BBRPS5252H	Assistant Professor	10,000.00	KLE Technological University	Incentives for Publications
				Total	5,00,343.00		

Pooja R. Kanchi
FINANCE OFFICER
KLE TECHNOLOGICAL UNIVERSITY
HUBBALLI-580 031.

For, CHENNI ASSOCIATES
Chartered Accountants

CA. SURESH K. CHENNI
Proprietor
M.No.026214 FR.No.000622S

KLE TECHNOLOGICAL UNIVERSITY, HUBBALLI - 580031

Incentives for the Year 2018-19

Name of full time teachers receiving awards from state level, national level, international level	Year of Award	Paid in Financial Year	PAN	Designation	Amount (Rs)	Name of the Awarding Agency	Incentives/Type of the incentive given by the HEI in recognition of the award
Shankar G	2018	2018-19	BHOPS6927A	Associate Professor	10,000.00	KLE Technological University	Incentives for Publications
Shankar G	2018	2018-19	BHOPS6927A	Associate Professor	10,000.00	KLE Technological University	Incentives for Publications
Shankar G	2018	2018-19	BHOPS6927A	Associate Professor	10,000.00	KLE Technological University	Incentives for Publications
Narayan D. G	2018	2018-19	ALWPG2813L	Associate Professor	10,000.00	KLE Technological University	Incentives for Publications
Narayan D. G	2018	2018-19	ALWPG2813L	Associate Professor	10,000.00	KLE Technological University	Incentives for Publications
Dr V N Gaitonde	2018	2018-19	ADDPG2113N	Professor	10,000.00	KLE Technological University	Incentives for Publications
Dr V N Gaitonde	2018	2018-19	ADDPG2113N	Professor	10,000.00	KLE Technological University	Incentives for Publications
S V Khandal	2018	2018-19	BBUPK6164K	Assistant Professor	10,000.00	KLE Technological University	Incentives for Publications
S V Khandal	2018	2018-19	BBUPK6164K	Assistant Professor	10,000.00	KLE Technological University	Incentives for Publications
Dr Zabin K Bagewadi	2018	2018-19	ANEPB4712F	Associate Professor	10,000.00	KLE Technological University	Incentives for Publications
Dr Uday Muddapur	2018	2018-19	AQJPM3143M	Professor	10,000.00	KLE Technological University	Incentives for Publications
Priyatamkumar	2018	2018-19	ACMPP4377K	Professor	40,000.00	KLE Technological University	Incentive for Ph.D Award
Dr.Uma Mudenagudi	2018	2018-19	AEZPM9838F	Professor	43,885.00	KLE Technological University	Incentive for external Funded Projects
N R Banapurmath	2018	2018-19	AEJPB8954K	Professor	10,000.00	KLE Technological University	Incentives for Publications
Dr. Sharanabasava Ganachari	2018	2018-19	AZQPG1211N	Research Scientist	10,000.00	KLE Technological University	Incentives for Publications
Dr. Sharanabasava Ganachari	2018	2018-19	AZQPG1211N	Research Scientist	10,000.00	KLE Technological University	Incentives for Publications
Shrinivas Desai	2018	2018-19	AIMPD7362C	Associate Professor	10,000.00	KLE Technological University	Incentives for Publications



Name of full time teachers receiving awards from state level, national level, international level	Year of Award	Paid in Financial Year	PAN	Designation	Amount (Rs)	Name of the Awarding Agency	Incentives/Type of the incentive given by the HEI in recognition of the award
Shankar G	2018	2018-19	BHOPS6927A	Associate Professor	10,000.00	KLE Technological University	Incentives for Publications
Shankar G	2018	2018-19	BHOPS6927A	Associate Professor	10,000.00	KLE Technological University	Incentives for Publications
N R Banapurmath	2018	2018-19	AEJPB8954K	Professor	10,000.00	KLE Technological University	Incentives for Publications
Jayachandra Y	2018	2018-19	AIVPJ3436G	Research Scientist	10,000.00	KLE Technological University	Incentives for Publications
Jayachandra Y	2018	2018-19	AIVPJ3436G	Research Scientist	10,000.00	KLE Technological University	Incentives for Publications
P G Sunita Hiremath	2018	2018-19	ABCPH2305N	Associate Professor	10,000.00	KLE Technological University	Incentives for Publications
Kaushik M	2018	2018-19	BEBPK0348M	Associate Professor	5,000.00	KLE Technological University	Incentives for Publications
Dr.Uma Mudenagudi	2018	2018-19	AEZPM9838F	Professor	40,000.00	KLE Technological University	Incentive for Ph.D Award
Dr.Uma Mudenagudi	2018	2018-19	ACMPP4377K	Professor	40,000.00	KLE Technological University	Incentive for Ph.D Award
Dr Prakash Tewari	2018	2018-19	AAMPT6167D	Professor	40,000.00	KLE Technological University	Incentive for Ph.D Award
				Total	4,18,885.00		

Pooja R. Kundori
 FINANCE OFFICER
 KLE TECHNOLOGICAL UNIVERSITY
 HUBBALLI-580 031.

For, CHENNI ASSOCIATES
 Chartered Accountants

 CA. SURESH K. CHENNI
 Proprietor
 M.No.026214 FR.No.000622S

KLE TECHNOLOGICAL UNIVERSITY, HUBBALLI - 580031

Incentives for the Year 2017-18

Name of full time teachers receiving awards from state level, national level, international level	Year of Award	Paid in Financial Year	PAN	Designation	Amount (Rs)	Name of the Awarding Agency	Incentives/Type of the Incentive given by the HEI in recognition of the award
Suneeta Budihal	2017	2017-18	AHTPB3002B	Associate Professor	5,000.00	KLE Technological University	Incentives for Publications
Dr Meena S M	2017	2017-18	AEMPM7767C	Professor	5,000.00	KLE Technological University	Incentives for Publications
Narayan D G	2017	2017-18	ALWPG2813L	Associate Professor	5,000.00	KLE Technological University	Incentives for Publications
Shrinivas Desai	2017	2017-18	AIMPD7362C	Associate Professor	5,000.00	KLE Technological University	Incentives for Publications
Shrinivas Desai	2017	2017-18	AIMPD7362C	Associate Professor	5,000.00	KLE Technological University	Incentives for Publications
Priyadarshini Patil	2017	2017-18	BIUPP4562M	Assistant Professor	5,000.00	KLE Technological University	Incentives for Publications
Jayachandra Y	2017	2017-18	AIVPJ3436G	Research Scientist	10,000.00	KLE Technological University	Incentives for Publications
Dr. Sharanabasava Ganachari	2017	2017-18	AZQPG1211N	Research Scientist	10,000.00	KLE Technological University	Incentives for Publications
Dr. Sharanabasava Ganachari	2017	2017-18	AZQPG1211N	Research Scientist	10,000.00	KLE Technological University	Incentives for Publications
N R Banapurmath	2017	2017-18	AEJPB8954K	Professor	10,000.00	KLE Technological University	Incentives for Publications
Rakesh P Tapaskar	2017	2017-18	AKZPT9841P	Assistant Professor	10,000.00	KLE Technological University	Incentives for Publications
Rakesh P Tapaskar	2017	2017-18	AKZPT9841P	Assistant Professor	10,000.00	KLE Technological University	Incentives for Publications
Dr. Sharanabasava Ganachari	2017	2017-18	AZQPG1211N	Research Scientist	10,000.00	KLE Technological University	Incentives for Publications
Dr Ashok M Sajjan	2017	2017-18	BBRPS5252H	Assistant Professor	10,000.00	KLE Technological University	Incentives for Publications
Dr T M Yunus Khan	2017	2017-18	ADRPT3039L	Assistant Professor	10,000.00	KLE Technological University	Incentives for Publications
Dr P Subbanna Bhat	2017	2017-18	AHEPB4507A	Professor	40,000.00	KLE Technological University	Incentive for Ph.D Award
Mallikarjun A	2017	2017-18	ARRPA4137E	Assistant Professor	10,000.00	KLE Technological University	Incentives for Publications
Arun L Kakhandki	2017	2017-18	AMGPK5330B	Associate Professor	10,000.00	KLE Technological University	Incentives for Publications
S V Khandal	2017	2017-18	BEBPK0348M	Assistant Professor	10,000.00	KLE Technological University	Incentives for Publications
Dr. V.N.Gaitonde	2017	2017-18	ADDPG2113N	Professor	10,000.00	KLE Technological University	Incentives for Publications
Kishore Upadhyay	2017	2017-18	ATUPK8630P	Assistant Professor	10,000.00	KLE Technological University	Incentives for Publications
Shankar A. Hallad	2017	2017-18	AHWPH4791C	Research Scientist	10,000.00	KLE Technological University	Incentives for Publications
Zabin K Bagewadi	2017	2017-18	ANEPB4712F	Associate Professor	10,000.00	KLE Technological University	Incentives for Publications
Zabin K Bagewadi	2017	2017-18	ANEPB4712F	Associate Professor	10,000.00	KLE Technological University	Incentives for Publications
B.S.Hunagund	2017	2017-18	AAGPH1762A	Professor	10,000.00	KLE Technological University	Incentives for Publications
Zabin K Bagewadi	2017	2017-18	ANEPB4712F	Associate Professor	10,000.00	KLE Technological University	Incentives for Publications



Name of full time teachers receiving awards from state level, national level, international level	Year of Award	Paid in Financial Year	PAN	Designation	Amount (Rs)	Name of the Awarding Agency	Incentives/Type of the incentive given by the HEI in recognition of the award
Vinodkumar Meti	2017	2017-18	ATJPM8654N	Assistant Professor	10,000.00	KLE Technological University	Incentives for Publications
Priyatamkumar	2017	2017-18	ACMPP4377K	Professor	40,000.00	KLE Technological University	Incentive for Ph.D Award
Dr.Uma Mudenagudi	2017	2017-18	AEZPM9838F	Professor	40,000.00	KLE Technological University	Incentive for Ph.D Award
Dr.Prakash Tewari	2017	2017-18	AAMPT6167D	Professor	40,000.00	KLE Technological University	Incentive for Ph.D Award
Dr.Prakash Tewari	2017	2017-18	AAMPT6167D	Professor	40,000.00	KLE Technological University	Incentive for Ph.D Award
				Total	4,30,000.00		

Pooja . P. Kanchan

FINANCE OFFICER
KLE TECHNOLOGICAL UNIVERSITY
HUBBALLI-580 031.

For, CHENNI ASSOCIATES
Chartered Accountants

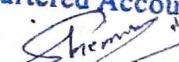
Suresh K. Chennai
CA. SURESH K. CHENNI
Proprietor
M.No.026214 FR.No.000622S

KLE TECHNOLOGICAL UNIVERSITY, HUBBALLI - 580031

Incentives for the Year 2016-17

Name of full time teachers receiving awards from state level, national level, international level	Year of Award	Paid in Financial Year	PAN	Designation	Amount (Rs)	Name of the Awarding Agency	Incentives/Type of the incentive given by the HEI in recognition of the award
Mr. Prabhakar Bhovi	2016	2016-17	AIZPB4975C	Assistant Professor	10,000.00	KLE Technological University	Incentives for Publications
Mr. Jayachandra Yaradoddi	2016	2016-17	AIVPJ3436G	Research Scientist	15,712.00	KLE Technological University	Incentives for Publications
Dr. B S Hungund	2016	2016-17	AAGPH1762A	Professor	10,000.00	KLE Technological University	Incentives for Publications
Mr. Yunuskhan Tatagar	2016	2016-17	ADRPT3039L	Assistant Professor	10,000.00	KLE Technological University	Incentives for Publications
Dr. Shrinivas Desai	2016	2016-17	AIMPD7362C	Associate Professor	3,000.00	KLE Technological University	Incentives for Publications
Mr. R S Hosamath	2016	2016-17	ACLPH1957Q	Assistant Professor	10,000.00	KLE Technological University	Incentives for Publications
Dr. N R Banapurmath	2016	2016-17	AEJPB8954K	Professor	10,000.00	KLE Technological University	Incentives for Publications
Mr. S V Khandal	2016	2016-17	BBUPK6164K	Assistant Professor	10,000.00	KLE Technological University	Incentives for Publications
Mr. N M Gireesh	2016	2016-17	AYVPG6225C	Assistant Professor	10,000.00	KLE Technological University	Incentives for Publications
Dr. N R Banapurmath	2016	2016-17	AEJPB8954K	Professor	10,000.00	KLE Technological University	Incentives for Publications
				Total	98,712.00		

Pooja R. Kandori
FINANCE OFFICER
KLE TECHNOLOGICAL UNIVERSITY
HUBBALLI-580 031.

for, **CHENNI ASSOCIATES**
Chartered Accountants

CA. SURESH K. CHENNI
Proprietor
M.No.026214 FR.No.000622S