



K L University

(Koneru Lakshmaiah Education Foundation)
Deemed to be University, Estd. u/s 3 of UGC Act, 1956

Accredited by NAAC as 'A' Grade University ✦ Approved by AICTE ✦ ISO 9001-2008 Certified
Campus: Greenfields, Vaddeswaram - 522 502, Guntur District, Andhra Pradesh, INDIA.
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Ref: KLU/RO/RB/2014-2015

22nd November, 2014

Proceedings of the Vice-Chancellor dt.22-11-2014

OFFICE ORDER

Sub: University Research Board meeting on 01-12-2014 (Monday)
from 3.00 p.m. onwards.

Ref: Note from Dean (R&D), Secretary-Research Board dt.21-11-2014

A meeting of the University Research Board is convened to be held on 1st December, 2014 (Monday) from 3.00 p.m. onwards in the Conference Room (F008).

Agenda items proposed by the Dean (R&D), Secretary-Research Board:

1. Obtaining approval for conducting Research Admissions in December, 2014.
2. Approval of restructure of Research Groups.
3. Approval of Pre-Ph.D. papers for VI batch scholars
4. Approving Conversion of CS Scholars to CSE if they possess M.Tech.
5. Acceptance of ICWA/CA holders for Ph.D. in Commerce.
6. Any other item with the permission of Chair.

REGISTRAR (I/C)

Prof. T. UMA MAHESWARA R

REGISTRAR (I/C)

To All Members

Hard copy & mail to: Pro Vice-Chancellor

Mail to: Hon'ble Chancellor

Hard copy & mail to: Vice-Chancellor

Mail to: Hon'ble Vice-President, KLEF

Hard copy & mail to: Hon'ble President, KLEF

Mailed
22/11/14

Recd by
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22/11/14



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5th December, 2014

Minutes of the University Research Board meeting held on 1st December, 2014
from 3.00 a.m. onwards in Conference Room No.F008, K L University, Vaddeswaram,

The Vice Chancellor welcomed all the members for the University Research Board meeting held on 1st December, 2014.

The Vice-Chancellor has introduced the new member of the University Research Board – Registrar (In-charge) Prof.T. Uma Maheswara Rao to the other members and they welcomed him to the meeting.

In Chair:

1	Vice-Chancellor	Prof.L.S.S. Reddy	Chairman
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Members Present:

2	Pro Vice-Chancellor	Dr.A.V.S. Prasad	Member
3	Registrar (In-charge)	Prof.T. Uma Maheswara Rao	Member
4	Dean (P&D)	Dr.M. Bhaskara Rao	Member
4	Principal, KLU CE	Dr. A. Ananda Kumar	Member
5	Dean (Student Affairs)	Dr.Habibulla Khan	Member
6	Associate Dean (Sponsored Research)	Dr. B.J.K. Singh	Member
7	Associate Dean (Internal Funding & Innovative Projects)	Dr. V. Praveen Kumar, BT	Member
8	Associate Dean (PG Programs)	Dr.V.Rajesh	Member
9	Associate Dean (Academic Research)	Dr.K. Subrahmanyam	Member
10	RPAC Chairman-ECE	Dr.Venkata Ratnam	Member
11	RPAC Chairman-CSE	Dr.D. Rajeswara Rao	Member
12	RPAC Chairman-EEE	Dr.G. Kesava Rao	Member
13	RPAC Chairman-BT	Dr.B. Mahendran	Member
14	RPAC Chairman-Mathematics	Dr.K.Jayarami Reddy	Member
15	RPAC Chairman-English	Dr.G.Mohanacharyulu	Member
16	RPAC Chairman-MBA	Dr.Raja Babu	Member
17	Professor, CSE	Dr. J.K.R. Sastry	Member
18	Professor, ECE	Dr. S. Lakshminarayana	Member
19	Dean (R&D)	Dr.K.L.Narayana	Secretary

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The following are the deliberations and resolutions:

1.	<p><u>Agenda item No.1:</u></p> <p>Obtaining approval for Research admissions in December 2014.</p> <p><u>Resolution:</u></p> <p>Approved.</p>
2.	<p><u>Agenda item No.2:</u></p> <p>Approval of restructure of Research Groups.</p> <p><u>Resolution:</u></p> <p>Approved and also accepted the introduction of a new group on Digital Forensics with faculty from CSE, ECE & ECM.</p>
3.	<p><u>Agenda item No.3:</u></p> <p>Approval of Pre-Ph.D. papers for VI batch scholars.</p> <p><u>Resolution:</u></p> <p>Approved.</p>
4.	<p><u>Agenda item No.4:</u></p> <p>Approving Conversion of CS Scholars to CSE if they possess M.Tech.</p> <p><u>Resolution:</u></p> <p>Approved. However, the validity of admission into Ph.D. in CSE will be from the date of completion of M.Tech. only.</p>
5.	<p><u>Agenda item No.5:</u></p> <p>Acceptance of ICWA/CA holders for Ph.D. in Commerce.</p> <p><u>Resolution:</u></p> <p>Approved and also recommended to include CS holders for Ph.D. in Commerce.</p>
6.	<p><u>Other Item No.1:</u></p> <p>Introduction of Seminar instead of Exam. for few papers.</p> <p><u>Resolution:</u></p> <p>To be taken up in future.</p> <p><u>Other Item No.2:</u></p>

KL UNIVERSITY
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List of Pre-Ph.D Courses approved by

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

S.NO	PAPER – 1	Code
1.	RESEARCH METHODOLOGY	15 RM ENGG 101

S.NO	PAPER – 2	Code	PAPER – 3	Code
1.	Information Retrieval System	15 CS 201	Big Data Analytics	15 CS 301
2.	Data Ware Housing And Mining	15 CS 202	Cloud Computing	15 CS 302
3.	Computer Networks	15 CS 203	Distributed Databases	15 CS 303
4.	Data Center Virtualization	15 CS 204	Pattern Recognition	15 CS 304
5.	Network Security	15 CS 205	Soft Computing	15 CS 305
6.	Software Architecture	15 CS 206	Software Engineering	15 CS 306
7.	Software Testing And Quality Assurance	15 CS 207	Software Reliability	15 CS 307
8.	Advances in Computing	15 CS 208	Web Security	15 CS 308
9.	Advanced Data Structures	15 CS 209	Wireless Sensor Networks	15 CS 309
10.	Digital Image Processing	15 CS 210	Software Project Management	15 CS 310
11.	Bio-Informatics	15 CS 211	Artificial Intelligence	15 CS 311
12.	Service Oriented Architecture	15 CS 212	Cloud Security	15 CS 312
13.	Mobile Cloud	15 CS 213	Data Security & Privacy	15 CS 313
14.	Distributed Computing	15 CS 214	Mobile Computing and Wireless Communication	15 CS 314
15.	Cryptography & Network Security	15 CS 215	Parallel Algorithms	15 CS 315


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List of Pre-Ph.D Courses approved by

DEPARTMENT OF BIO-TECHNOLOGY

S.NO	PAPER – 1	Code
1.	RESEARCH METHODOLOGY	15 RM ENGG 101

S.NO	PAPER – 2	Code	PAPER – 3	Code
1.	Bioanalytical Techniques	15 BT 201	Plant Biotechnology	15 BT 301
2.			Genetic Engineering	15 BT 302
3.			Microbial Technology	15 BT 303
4.			Biochemistry	15 BT 304
5.			Molecular Modeling And Drug Design	15 BT 305
6.			Bioprocess Engineering	15 BT 306
7.			Immunotechnology	15 BT 307
8.			Microbial Technology	15 BT 308
9.			Nanobiotechnology And Nanomedicine	15 BT 309


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List of Pre-Ph.D Courses approved by

DEPARTMENT OF MECHANICAL ENGINEERING

S.NO	PAPER – 1	Code
1.	RESEARCH METHODOLOGY	15 RM ENGG 101

S.NO	PAPER – 2	Code	PAPER – 3	Code
1.	Computer Integrated Manufacturing	15 ME 201	Quality Engineering in Manufacturing	15 ME 301
2.	Operational Planning and Control	15 ME 202	Supply Chain Management	15 ME 302
3.	Condition Monitoring and Fault Diagnosis	15 ME 203	Cellular Manufacturing Systems	15 ME 303
4.	Mechatronics	15 ME 204	Advanced Engineering Mathematics	15 ME 304
5.	Advanced Theory of Vibrations	15 ME 205	Robotic Modeling Analysis and Control	15 ME 305
6.	Finite Element Method	15 ME 206	Advanced Heat and Mass Transfer	15 ME 306
7.	Computational Fluid Dynamics	15 ME 207	Mechanics of Fracture	15 ME 307
8.	Advanced Optimization Techniques	15 ME 208	Materials Management	15 ME 308
9.	Numerical Methods in Thermal Engineering	15 ME 209	Modeling and Analysis with CAD	15 ME 309
10.	Design of Thermal Systems	15 ME 210	IC Engine Combustion and Pollution	15 ME 310
11.	Advanced Engineering Materials & their Selection	15 ME 211	Energy Conservation, Management and Audit	15 ME 311


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List of Pre-Ph.D Courses approved by

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

S.NO	PAPER – 1	Code
1.	RESEARCH METHODOLOGY	15 RM ENGG 101

S.NO	PAPER – 2	Code	PAPER – 3	Code
1.	Global Positioning Systems	15 EC 201	Bio Medical signal Processing	15 EC 301
2.	Advanced Digital Signal Processing	15 EC 202	Advanced Embedded Processor Architecture	15 EC 302
3.	Embedded Networking	15 EC 203	Wireless Cellular Communications	15 EC 303
4.	Modern Digital communication	15 EC 204	Speech Processing	15 EC 304
5.	Mathematics for signal processing	15 EC 205	Image and Video Processing	15 EC 305
6.	Wavelet theory and Applications	15 EC 206	EMI/EMC	15 EC 306
7.	Radiating systems	15 EC 207	MEMS Measurement Techniques	15 EC 307
8.	Micro Electro Mechanical Systems	15 EC 208	Antenna Measurements	15 EC 308
9.	RF & Microwave System Design	15 EC 209	VLSI System Design	15 EC 309
10.	Low Power VLSI Circuits	15 EC 210	MOS Circuit Design	15 EC 310
11.	Detection and Estimation Of Signals	15 EC 211	Testing of VLSI Circuits	15 EC 311
12.	Adaptive Signal Processing	15 EC 212	Advanced Analog IC Design	15 EC 312
13.	Real Time Concepts for Embedded Systems	15 EC 213	Microwave and Millimeter wave Circuits	15 EC 313
14.	Optical Signal Processing	15 EC 214	Multirate Signal Processing	15 EC 314
15.	ASIC Design Flow	15 EC 215	CMOS RF Circuit Design	15 EC 315


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List of Pre-Ph.D Courses approved by

DEPARTMENT OF PHYSICS

S.NO	PAPER – 1	Code
1.	RESEARCH METHODOLOGY	15 RM SCI 102

S.NO	PAPER – 2	Code	PAPER – 3	Code
1.	Spectroscopic Studies On Transition Metal Ions	15 PHY 201	Spectroscopic Studies On Rare Earth Ions	15 PHY 301
2.	Nano Science And Technology	15 PHY 202	Solid State Ionics	15 PHY 302
3.	Remote Sensing Techniques	15 PHY 203	Upper Atmospheric Science	15 PHY 303
4.	Nuclear Physics-I	15 PHY 204	Nuclear Physics - II	15 PHY 304
5.	Liquid Crystals-I	15 PHY 205	Liquid Crystals-II	15 PHY 305
6.			Thin Film Technology And Applications	15 PHY 306
7.			Molecular Modeling	15 PHY 307
8.			Aeronomy	15 PHY 308


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List of Pre-Ph.D Courses approved by

DEPARTMENT OF ENGLISH

S.NO	PAPER – 1	Code
1.	RESEARCH METHODOLOGY	15 RM ENSS 103

S.NO	PAPER – 2	Code	PAPER – 3	Code
1.	Indian Writing in English	15 ENG 201	Indian writing in Translation	15 ENG 301
2.	Commonwealth Literature	15 ENG 202	Indian Women writers in English	15 ENG 302
3.	British Literature	15 ENG 203	Indian Criticism and Rhetoric	15 ENG 303
4.	American Literature	15 ENG 204	English Literary Criticism	15 ENG 304
5.	History of English Language and Linguistics	15 ENG 205	Contemporary English Writings	15 ENG 305
6.	Trends and Movements in English Literature	15 ENG 206	Afro- American Literature	15 ENG 306
7.			Aboriginal Literature	15 ENG 307
8.			Black Literature	15 ENG 308
9.			Afro- American Women writers	15 ENG 309
10.			New Emerging trends in ELT	15 ENG 310


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List of Pre-Ph.D Courses approved by

DEPARTMENT OF MANAGEMENT

S.NO	PAPER – 1	Code
1.	RESEARCH METHODOLOGY	15 RM MGMT104

S.NO	PAPER – 2	Code	PAPER – 3	Code
1.	Introduction To Organization	15 MGMT 201	Advanced Management Theory and Practice	15 MGMT 301
2.	Human Resource Development	15 MGMT 202	Financial Services and Markets	15 MGMT302
3.	Marketing Management	15 MGMT 203	Healthcare Management	15 MGMT 303
4.	Financial Management	15 MGMT 204	Supply Chain Management	15 MGMT304
5.	Learning & Development	15 MGMT 205	Retail Marketing	15 MGMT 305
6.	Organization Change And Development	15 MGMT 206	Rural Marketing	15 MGMT 306
7.			Services Marketing	15 MGMT 307
8.			Introduction to Indian Banking System	15 MGMT 308


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List of Pre-Ph.D Courses approved by

DEPARTMENT OF CIVIL ENGINEERING

S.NO	PAPER – 1	Code
1.	RESEARCH METHODOLOGY	15 RM ENGG 101

S.NO	PAPER – 2	Code	PAPER – 3	Code
1.	Repair and Rehabilitation of Structures	15 CE 201	Advanced Concrete Technology	15 CE 301
2.	Finite Element Analysis	15 CE 202	Advanced Design of Structures	15 CE 302
3.	Optimization of Structures	15 CE 203	Theory of Elasticity	15 CE 303
4.	Structural Dynamics	15 CE 204	Principles of Gis, Gps and Remote Sensing Applications In Civil Engineering	15 CE 304
5.	Advanced Treatments of Water and Wastewater	15 CE 205	Surfaces Hydrologic Systems	15 CE 305
6.	Water Quality and Environment	15 CE 206	River Hydraulics	15 CE 306
7.	Hydrologic Elements and Analysis	15 CE 207	Watershed and Wetland Management	15 CE 307
8.	Geo synthetics	15 CE 208	Ground Improvement Techniques	15 CE 308
9.	Geotechnical Earthquake Engineering	15 CE 209	Pavement Construction and Management	15 CE 309
10.	Traffic Engineering	15 CE 210	Environmental Impact Assessment	15 CE 310


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List of Pre-Ph.D Courses approved by
DEPARTMENT OF CHEMISTRY

S.NO	PAPER – 1	Code
1.	RESEARCH METHODOLOGY	15 RM SCI 102

S.NO	PAPER – 2	Code	PAPER – 3	Code
1.	Basic Organic Chemistry	15 CHE 201	Advances In Organic Chemistry	15 CHE 301
2.	Analytical Chemistry	15 CHE 202	Advanced Instrumental Methods for Chemical Characterization and Analysis	15 CHE 302
3.	Principles Of Environmental Science and Engineering	15 CHE 203	Water Pollution and Treatment Techniques	15 CHE 303
4.	Physical Chemistry	15 CHE 204	Advanced Inorganic Chemistry	15 CHE 304
5.	Basic Inorganic Chemistry	15 CHE205	Environmental Studies	15 CHE 305
6.	Basic Environmental Studies	15 CHE 206		


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List of Pre-Ph.D Courses approved by

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

S.NO	PAPER – 1	Code
1.	RESEARCH METHODOLOGY	15 RM ENGG 101

S.NO	PAPER – 2	Code	PAPER – 3	Code
1.	AI Techniques In Power Systems	15 EE 201	Power System Protection	15 EE 301
2.	Distribution System Planning & Automation	15 EE 202	Electrical Machine Modeling and Analysis	15 EE 302
3.	Flexible Ac Transmission Systems	15 EE 203	Electric Vehicles	15 EE 303
4.	Power Electronic Control Of Drives	15 EE 204	Power Electronics Circuits - I	15 EE 304
5.	Power Quality	15 EE205	Modern Control Theory	15 EE 305
6.	Power System Analysis & Dynamics	15 EE 206	Energy Conservation & Audit	15 EE 306
7.	Non conventional Energy Resources	15 EE 207		


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List of Pre-Ph.D Courses approved by

DEPARTMENT OF MATHEMATICS

S.NO	PAPER – 1	Code
1.	RESEARCH METHODOLOGY	15 RM SCI 102

S.NO	PAPER – 2	Code	PAPER – 3	Code
1.	Topology	15 MAT 201	Fluid Dynamics	15 MAT 301
2.	Numerical Methods	15 MAT 202	Fluid Mechanics	15 MAT 302
3.	Time Scale Calculus	15 MAT 203	Tribology of Bearings	15 MAT 303
4.	Number Theory	15 MAT 204	Fuzzy Algebra	15 MAT 304
5.	Special Functions	15 MAT 205	Functional Analysis	15 MAT 305
6.	Booundary Value Problems	15 MAT 206	Semi Groups	15 MAT 306
7.	Distribution and Estimation Theory	15 MAT 207	Dynamical Systems on Time scale	15 MAT 307
8.	Mathematical methods & Stochastic processes	15 MAT 208	Differential Equations	15 MAT 308
9.			Cryptography	15 MAT 309
10.			Hyper Geometric Functions and Lie groups	15 MAT 310
11.			Queueing Theory	15 MAT 311
12.			Sampling Theory	15 MAT 312
13.			Differential Geometry	15 MAT 313
14.			Inventory Model	15 MAT 314
15.			Difference Equations	15 MAT 315


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