



BHARATHIDASAN UNIVERSITY

Tiruchirappalli - 620 023, India

**DDU-KAUSHAL Kendra
Bharathidasan University
Khajamalai Campus
Tiruchirappalli- 620 023**

PROFILE

National Recognitions

**University Grants Commission (UGC), Ministry of Human Resource
Development (MHRD), XIIth Plan Scheme (2012-2017)**

Faculty Members

Prof. E. Ramganesh., M.Sc(Mat).,PGDCA.,Ph.D(Csc).,M.A(Psy).,M.A(Phil).,M.Ed.,M.Phil.,Ph.D(Edu).,
Director

Dr. S. Jayalakshmi., B.Sc., M.RTech., PGDCA, Ph.D., (MBA)
Assistant Professor

Mr. C. Arunkumar., B.E (Mech)., M.E(Energy Engineering).,
Assistant Professor

Mr. R. Rajkumar., B.E (ECE)., MBA.,UGC-NET(Management)
Assistant Professor

Dr. S.V.A. Prakash., B.E., M.RTech., Ph.D.,
Guest Faculty

Mr. H. Xavier Paul Rajan., B.E (ECE)., M.E(Communication Systems).,
Guest Faculty

Mr. M. Elangovan., B.E (EEE)., M.E(Power Electronics and Drives).,
Guest Faculty

Mrs. A. Vidhya., BBA., MBA., M.Phil., M.Com., Ph.D.,
Guest Faculty

Mr. M. Vinoth B.E (Mech)., M.E(Thermal Engineering).,
Guest Faculty

Ms. D. Jenifer Kamalini B.E (ECE)., M.E(Applied Electronics).,
Guest Faculty

Mr. A. Manikandan B.E (Mech)., M.E(Energy Engineering).,
Guest Faculty

Mr. A. Antony Lourdesraj., B.E. (ECE), M.B.A., NCFM (CMDM), NCFM (DMDM), (Ph.D.)
Guest Faculty

Preface

Bharathidasan University is the only state University in Tamil Nadu which has obtained the establishment of DDU-KAUSHAL Kendra from the UGC with a grant in aid of Rs. 3.5 crores during XIIth Plan period. DDU KAUSHAL Kendra functions as a centre under the academic structure of School of Skill Development and Entrepreneurship. DDU KAUSHAL Kendra is an exclusive centre implemented in higher education institution to provide vertical mobility for students coming from community colleges, students studying vocational group in government schools and polytechnic colleges. DDU-KAUSHAL Kendra is offering B.Voc Degree Programmes from the academic year 2015-2016 onwards. DDU KAUSHAL Kendra is approved to offer B.Voc. Degree Programmes in three different trade roles namely

1. Automobile Technology
2. Logistics and Supply Chain Management.
3. Trouble Shooting and Maintenance of Electrical and Electronic Equipments,

M.Voc. Degree Programmes and PhD programmes in the area of Vocational education and Skill Development.

Professor and Head

OBJECTIVE

- To conceive and conduct programme in vocational education in Automobile Technology, Logistics and Supply Chain Management and Trouble Shooting and Electrical and Electronic Equipments at B.Voc under graduation level to train skill manpower for the specific trade role.
- To develop curriculum with major emphasis on skill development of the relevant trade role
- To engage institution and industry collaboration for effective and efficient rendering of the programme
- To render consultancy to the industry in the area of skill Development
- To involve in research in the area of skill development

VISION

- To make every human manpower with the right skill and knowledge so as to meet the global standards and satisfy the requirements of the industry.

MISSION

- To offer state of the art undergraduate, post graduate and doctoral programme in the vocational education.
- To generate skill manpower in three specific trade roles offered under the Kendra.
- To undertake collaboration strategies and methods with the industry and institutions involved in skill development.
- To develop the manpower with the right skill to render the industrial requirements.
- To inculcate the ethical and moral values for the professional development and the holistic development of students community and society.

Research Interest

Faculty I

Area of Research/Specialization:

- Educational Technology
- e-Learning
- Metacognition
- Educational Psychology
- Mathematics Education
- Cognitive Neuroscience



Achievements made in Teaching/Research/Extension

No. of Research Publications	: 68
No. of papers presented in Conferences	:
h-index	: 01
i-10 index	: -
Total Citations	: 33
Patents Granted/Filed	: 01
Products Developed	:
Projects Completed/Ongoing	: 02/02
Consultancies Completed/Ongoing	:

Awards and Recognitions

1. All India Competition on Innovative Practices and Experiments for Teacher Educators), NCERT, New Delhi.
2. Siksha Rattan Puraskar Award for the best services in Education, India International Friendship Society, New Delhi.
3. Best Citizens of India Award, International Publishing House, New Delhi.

Research Group Members

1. Life Member & Vice President: SETRAD (Society for Educational Technology Research and Development).
2. Life Member: Experiments in Education (Journal)
3. Life Member: EDUTERATE, NKT College of Education, Chennai.

Members

Academic Bodies (such as Board of Studies etc.,)

1. Membership in Governing Council

- Nehru Memorial College (Autonomous), Tiruchirappalli , Dhanalakshmi College of Education, Perambalur, St.Xavier's College of Education – Palayamkottai, Sri Ramakrishna Mission Vidyalaya College of Education, Coimbatore

2. University Representative

- Auxilium College for women, Thanjavur and Annai College of Arts and Science, Kumbakonam.Oxford College of Education, Sudharsan College of Arts & Science, Pudukkottai, Srimad Andavan Arts and Science College, Tichy, TNTEU Nominee on the Governing Body of St. Xavier's College of Education (27.9.2016 – 27.9.2018), A.R.C Visvanathan College, Mayiladuthurai, Meenakshi Chandrasekaran College of Arts and Science, Puttukkottai (03.09.2018 – 02.09.2021).

3. Membership in Board of Studies in Education

- Bharathidasan University, Tamil University, Tamil Nadu Teachers Education University, Alagappa University, Mother Terasa Women's University, Madras University, Manonmaniam Sundaranar University, Periyar University, Avinashilingam University, Karunya University, Periyar Maniammai University, Gandhigram Rural University and PRIEST University, Vinayaka Missions University, Central University of Tamilnadu, Alagappa University College of Education, St.Xavier's College of Education, Sri Sarada College of Education, Salem.

4. Chairmanship in Board of Studies in Education

- Chairman and Member BOS in the four Integrated B.Ed Programme, SASTRA

5. Membership in Board of Studies in English

- Bishop Heber College, Trichy.

6. Chairmanship in Board of Studies in Educational Technology and Psychology

- Chairman, BOS in Educational Technology at Bharathidasan University.
- Chairman, BOS in Psychology (UG & PG) at Bharathidasan University.
- Chairman, BOS in PG Dip. In Guidance & Counselling and Child and Adolescent
- Psychology at ATMA Institute of Mental Health and Social Sciences.
- Chairman, Adhoc Board of studies in Psychology at Alagappa University, Karaikudi

7. Membership in Board of Studies in Rehabilitation Science

- Holy Cross College, Trichy

8. Membership in Board of Studies in Psychology

- Srimad Andavan Arts & Science College (Autonomous), Trichy

9. Member in Planning and Monitoring Board

- Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore

Faculty II

Area of Research/Specialization:

**Adult Continuing Education & Extension/ Vocational Education/
Entrepreneurship and Skill Development/ Operations Management/
Logistics and Supply Chain Management / Environmental Sanitation
Achievements made in Teaching/Research/Extension**

No. of Research Publications : 15
7 (UGC Approved Journals)
8 Refereed Journals



Dr. S. Jayalakshmi
Assistant Professor

No. of papers presented in Conferences: 16

Faculty III

Area of Research/Specialization: Thermal Engineering

Achievements made in Teaching/Research/Extension

No. of papers presented in Conferences : 12



C. Arunkumar
Assistant Professor

Faculty IV

Area of Research/Specialization:

- Logistics and Supply Chain Management
- Skill Development
- Cargo Management

Achievements made in Teaching/Research/Extension

- No. of Research Publications : 01
- No. of papers presented in Conferences : 02



R. Rajkumar
Assistant Professor

Awards and Recognitions

- Qualified UGC-National Eligibility Test (NET) for Lectureship during the year 2013

Research Group Members

Member: Madras Management Association

Guest Faculty I

Area of Research/Specialization:

Achievements made in Teaching/Research/Extension

No. of Research Publications	: 06
No. of papers presented in Conferences	: 15
Projects Completed/Ongoing	: 04



Dr. SVA PRAKASH
Guest Faculty

Awards and Recognitions

- Awarded student endowment fund for placed first rank in the M.A. (R. Tech) University Examinations.
- Scored second rank in the PGDHRM University Examinations.

Guest Faculty II

Area of Research/Specialization:

- **Communication Systems**
- **Achievements made in Teaching/Research/Extension**

- No. of papers presented in Conferences : 01



XAVIER PAUL RAJAN
Guest Faculty

Guest Faculty III

Area of Research/Specialization:

Power Electronics and Drives

Achievements made in Teaching/Research/Extension

No. of papers presented in Conferences : 2



M.ELANGOVAN
Guest Faculty

Guest Faculty IV

Area of Research/Specialization:

Human Resource Management/Stress management

Achievements made in Teaching/Research/Extension

No. of Research Publications	: 14
No. of papers presented in Conferences	: 13



A.VIDHYA
Guest Faculty

Guest Faculty V**Area of Research/Specialization:**

Energy Engineering

Achievements made in Teaching/Research/Extension

No. of Research Publications	: 3
No. of papers presented in Conferences	: 9



A. Manikandan
Guest Faculty

Guest Faculty VI**Area of Research/Specialization:**

Thermal Engineering

Achievements made in Teaching/Research/Extension

No. of Research Publications	: 01
No. of papers presented in Conferences	: 01



M. Vinoth
Guest Faculty

Faculty VII**Area of Research/Specialization: -**

Control Systems / Digital Electronics/ Computer Network



D. Jenifer Kamalini
Guest Faculty

Guest Faculty VIII**Area of Research/Specialization:**

Financial Management / stock market



ANTONY LOURDESRAJ A
Guest Faculty

Achievements made in Teaching/Research/Extension

No. of papers presented in Conferences	: 4
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(Only for illustration – Provide your department details)

WE ARE FUNDED BY...



S.No	Name of the Scheme	Plan	Funding Agency	Amount
1	DDU KAUSHAL Kendra	XIIth Plan Scheme	University Grants Commission (UGC), Ministry of Human Resource Development (MHRD).	3,50,00,000

Conferences/Workshops/Seminars Organized

S. No.	Conferences/Workshops/Seminars	Period
1.	One Day Seminar on “Skill Development and Vocational Education in Higher Education” conducted by DDU-KAUSHAL Kendra at IECD Building, Bharathidasan University, Tiruchirappalli.	27.01.2017
2.	One Day Seminar on “Skill Development and Vocational Education in Higher Education” conducted by DDU-KAUSHAL Kendra at Sri Brahadambal Government Higher Secondary School Pudukkottai.	02.02.2017.
3.	One Day Seminar on “Skill Development and Vocational Education in Higher Education” conducted by DDU-KAUSHAL Kendra at Hotel Ganam Thanjavur.	25.02.2017
4.	One Day Seminar on “Skill Development and Vocational Education in Higher Education” conducted by DDU-KAUSHAL Kendra at Hotel Dhanalakshmi Srinivasan ,Perambalur.	27.02.2017
5.	Workshop on Skill Development in Automobile Technology, Logistics and Supply Chain Management and Trouble Shooting and Maintenance of Electrical and Electronic Equipments organised with Placement and Training Cell and Centre for Entrepreneurship Cum Skill Development dated on 10.09.2018 at DDU-KAUSHAL Kendra, Bharathidasan University, Tiruchirappalli- 620 023.	10.09.2018

Programmes offered

I. B.Voc

- i) Automobile Technology
- ii) Logistics and Supply Chain Management
- iii) Trouble Shooting and Maintenance of Electrical and Electronic Equipments

II. M.Voc

- i) Automobile Technology
- ii) Logistics and Supply Chain Management
- iii) Power Management / Industrial Electronics

III. Research Programmes

Area of Skill Development and Vocational Studies

PROGRAM OBJECTIVES

The objectives of B.Voc (Automobile Technology, Logistics and Supply Chain Management and Troubleshooting and Maintenance of Electrical and Electronic Equipments) programme are:

1. B.Voc(Automobile Technology)

The objectives of this course are to provide the student with:

- Transition from school to work and obtain a job in the automotive industry related to customer service, management, Training/ technical support, as well as repair, service, or parts operations.
- To identify safety precautions regarding personnel, material, and tools.

2. B.Voc(Logistics and Supply Chain Management)

The objectives of this course are to provide the student with:

- To identify the primary differences between logistics and supply chain management
- To analyse the individual processes of supply chain management and their Inter relationships within individual companies and across the supply chain and warehouse management
- To design the management systems of supply chain management
- To identify safety precautions regarding personnel, material, and tools.

3. B.Voc(Troubleshooting and Maintenance of Electrical and Electronic Equipments)

- To apply troubleshooting techniques to analyze, detect, and correct faults in electrical equipments.
- To identify safety precautions regarding personnel, material, and tools.

Eligibility

Category -1: Students who already acquired NSQF Certification Level 4 in a particular industry sector and opted/desires an admission in skill based courses under NSQF in DDU KAUSHAL Kendra to upgrade their education qualification for the same trade for which he/she was previously certified at school level.

Category -2: Students who have acquired NSQF Certification Level 4 but want to change their trade/occupation and enter into skill based courses in a different trade/occupation.

Category -3: Students who have successfully passed 12th standard/HSC/10+2 (or equivalent level of examination) from any recognized Board.

SELECTION PROCEDURE

Selection will be made as per the norms of the University

LAB FACILITIES

1.B.Voc in Automobile Technology Lab Equipments

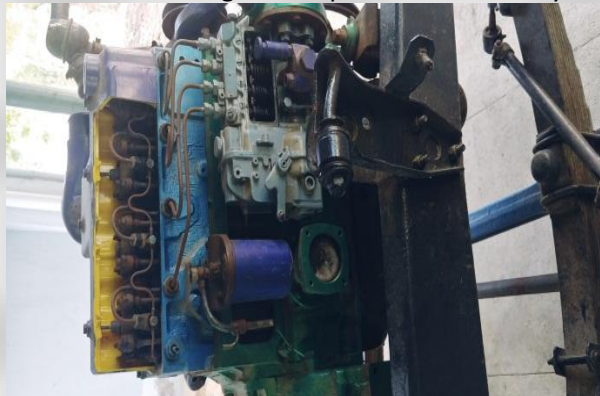
Manufacturing technology Laboratory



Lathe Machine



Automotive Engine components Laboratory



Automobile Repair and maintenance Laboratory



Auto Electrical and Electronics laboratory



Automotive transmission system



Automotive chassis components laboratory



Vehicle Maintenance laboratory



2.B.Voc in Trouble Shooting & Maintenance of Lab Equipments

House Wiring Lab



Home Appliances Repairing Lab



Renewable Energy Lab



Transformer and Armature winding Lab



Electronics Lab

Electrical Machines Lab



3.B.Voc in Logistics and Supply Chain Management



Logistics Computer Lab

DEPARTMENTAL ACTIVITIES

B.Voc AWARENESS PROGRAMME IN GOVERNMENT SCHOOLS IN TIRUCHIRAPPALLI,PUDUKKOTTAI,PERAMBALUR AND ARIYALUR AND THANJAVUR

Around 20 **government and government aided schools teaching vocational courses at the higher secondary level** had been visited at Tiruchirappalli District to disseminate the information about Vocational Degree program offered by Bharathidasan University through DDU KAUSHAL Kendra.



INDUSTRIAL VISIT TO CENTRAL WAREHOUSING CORPORATION,TIRUCHIRAPPALLI

In this academic year 2016-2017, the certificate level students of Logistics and Supply Chain Management has visited the logistics department of **SAIL** (STEEL AUTHORITY OF INDIA LIMITED - A MAHRATNA COMPANY) in Tiruchirappalli.



INDUSTRIAL VISIT TO DALMIA CEMENT(BHARAT) LIMITED



INDUSTRIAL VISIT TO UDHYAMATHA FABRICATION AND NOBEL ENTERPRISES



B.Voc. Logistics and Supply Chain Management First year students went for an industrial visit to Udhyaamala Fabrication and Nobel Enterprises, Tiruchirappalli, organized by DDU-KAUSHAL Kendra, Bharathidasan University, Tiruchirappalli on 22nd September, 2017.

INDUSTRIAL VISIT TO TAMILNADU WAREHOUSE CORPORATION, TIRUCHIRAPPALLI

B.Voc. Logistics and Supply Chain Management second year students went for an industrial visit to, Tamilnadu Warehousing Corporation, No:1, Tanjore Road, Trichy - 620 008, and Shanmuga cold storage organized by DDU-KAUSHAL Kendra, Bharathidasan University, Tiruchirappalli On March 9th 2018.



INDUSTRIAL VISIT TO RELIANCE MARKET, TIRUCHIRAPPALLI

B.Voc. Logistics and Supply Chain Management Second year students went for an industrial visit to Reliance Super Market, Kattur organized by DDU-KAUSHAL Kendra, Bharathidasan University, Tiruchirappalli on September 24th 2018.



B.Voc Logistics Students went for an one month Industrial Training to Reliance super Market Madurai, Chennai, and Trichy from November 14th to December 14th.

TEACHERS DAY CELEBRATION ON 5TH SEPTEMBER 2017



ONE DAY TRAINING PROGRAM AT GOVT ITI, THIRUVERUMBUR ON THE TOPIC "TROUBLESHOOTING OF ELECTRICAL MACHINES"



INTERNSHIP TRAINING PROGRAM FOR II YEAR STUDENTS AT AAVIN - TRICHY



S.No	Name of the Student	Degree	Name of the Event	Organized by and Date of Event	Place
1	A.Arulselvan	II B.Voc(LSCM)	BDU Cricket Match-August 28 th 2018	BDU Cricket Match-2018	First Prize
2	Bharathidasan.R	II B.Voc(LSCM)	BDU Cricket Match-August 28 th 2018	BDU Cricket Match-2018	First Prize
3	Vallarasu.T	II B.Voc(LSCM)	BDU Cricket Match-August 28 th 2018	BDU Cricket Match-2018	First Prize
4	Karthik.S	II B.Voc(LSCM)	BDU Cricket Match-August 28 th 2018	BDU Cricket Match-2018	First Prize

Contact us

The Director
 DDU-KAUSHAL Kendra
 Bharathidasan University
 Khajamalai Campus
 Tiruchirappalli - 620 024
 Tamil Nadu, India
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Appendix II

List of Research Publications since 2013-14

1. Maria Joseph,J., & Ramganesh, E. (2013),“Fixed Point Theorem On Multi-Valued Mappings”, International Journal of Analysis and Applications, 1(2), 123-127.
2. Jeraltin Vency,H & Ramganesh, E.(2013),“Is Language Learning possible through CLIL in Indian Context?An attempt”, International Electronic Journal for the Teachers of English, 3(5), 31-46.
3. Kamala,R., & Ramganesh,E.,(2013).“Knowledge of Specific Learning Disabilities among Teacher Educators in Puducherry, Union Territory in India”, International Review of Social Sciences and Humanities, 6(1),169-175.
4. Jeraltin Vency,H .,& Ramganesh,E.(2013), “Is Language Proficiency Taken Care of at Higher Education Level? Need for Self Efficacy of Post Graduate Students”, Journal of Language Teaching and Research, 4(6), 1176- 1183.
5. Kamala,R., & Ramganesh,E.(2015), “Difficulties in Identifying the Dyslexics in Multilingual Context”, International Journal of Humanities and Social Science Invention, 4(1), 18-22, Impact Factor -1.756.
6. Kamala,R., & Ramganesh,E.(2015),“Technology Integrated VAKT Intervention : A Complement to Dyslexics on Reading Acquisition” (ROOPF) International Journal of Multidisciplinary Researches and Quarterly Journal, 1(1), 46-49.
7. Ramganesh ,E & Joseph Milton Paulraj,I .(2015) , “Prospective Teacher Educators’ Awareness towards the key components of NLP”, International Journal of Academic Research in Management (IJARM), 4(1), 24-34,
8. Ramganesh,E.,& Joseph Milton Paulraj, I. (2015), “A diagnostic Assessment of Students’ Linguist Competence”, Journal of Education, 3(4), 10-18.
- Mugundan, V., & Ramganesh, E.(2015), “Problem Solving Behavior of Secondary Level Students in Mathematics at Fujairah in UAE”, onflux Journal of Education, 3(5), 31-37.
9. Ramganesh, E., Kirubakaran, E., & Gobi, R. (2015). “A Roadmap for a Higher Learning Institution based m-governance framework in the grey revolution”. International Journal of Advanced Research in Computer Science and Software Engineering, 5(8), 152-155.
- 10.Ramganesh, E.(2015). “Instructional Design and course Development”, Instructional Academy of Agriculture Research Management, Hyderabad.
- 11.Ramganesh, E.(2016). “Lesson Writing for Teaching of Mathematics for B.Ed Curriculum”, Centre for Distance Education, Bharathidasan University.
12. Ramganesh, E., Kirubakaran, E., & Gobi, R. (2016).”m-Governance in Higher Education institutions: Technology Infrastructure for Cutting-edge Connectivity to stakeholders”.

IOSR Journal of Computer Engineering (IOSR-JCE), 18(2), 116-120.

13. Ramganes, E, Vijayalakshmi, S & Mohanasundaram, K, (2016), "Effect of Technology Usage on Academic Achievement of B.Ed Student- Teachers", International Journal of Multidisciplinary Educational Research, 4(5), 86-91, Impact Factor: 3.318.

14. Ramganes, E (2016), "Academic domains as political battlegrounds: A global enquiry by 99 academics in the fields of education and technology", Information Development, 1-19. Impact Factor : 0.905

15. Mugundan, V & Ramganes, E (2016), "Effect of ipad assisted instruction on Mathematics problem solving ability of High School students in Fujairah - UAE", IALA -Journal, 4(1), 97-101

16. Irissappan, S & Ramganes, E, (2016), " Teachers' Perception on the Factors Influencing College Dropouts among the Rural Learners in Puducherry Region", International Journal of Innovative Research and Advanced Studies, 3(9), 18-22.

17. Ramganes, E., Kirubakaran, E., Ravindran, D., & Gobi, R. (2017). "Effectiveness of transformation from e-Governance to m-Governance of a HEI on its communication services to the stakeholders". IOSR Journal of Computer Engineering (IOSR-JCE), 19(3), 1-8.

18. Ramganes, E., Kirubakaran, E., Ravindran, D., & Gobi, R. (2017), "Developing and validating a m-Governance Framework adoption model of a University for communication services to its affiliated institutions". International Journal of Advanced Research in Computer Science and Software Engineering (IJARCSSE).

19. Ramganes, E & Joseph Milton Paulraj I (2017), "Effectiveness of Technology Enabled Psycho-NLP on the Performance of High School Students in Spoken English", Asian Journal of Social Science Studies, 1(2), 37-44.

20. Ramganes, E & Janaki, S. (2017), "Attitude of College Teachers towards the Utilization of Language Laboratories for Learning English", Asian Journal of Social Science Studies, 2(1), 103 - 109.

21. Irissappan, S & Ramganes, E, (2017), "Gross Enrollment Ratio in Indian Higher Education towards Skilled forces", Shanlax International Journal of Education, 5(1), 115-117.

22. E Ramganes, S Janaki (2017), "Language Laboratories: A Milestone in Higher Education", International Journal of Academic Research in Management (IJARM), 6(2), 6-15.

23. Mugundan, V., & Ramganes, E. (2017), "iPad Assisted Instruction as a Cognitive Tool in enhancing Mathematics Problem Solving Behavior", Experiments in Education, 45(3), 5-19.

24. Nijina, M. Nazar &, Ramganes, E. (2017), "Challenges in the Identification and treatment of Personality disorders among university students", IOSR Journal Of Humanities And Social Science (IOSR-JHSS), 22(10), 19-25.

25. Muthuselvi, L., & Ramganes, E. (2017), "Use of e-Governance by Administrators of Higher Learning Institutions", International Journal of Emerging Trends in Social Sciences, 1(2), 68-73.

26. Mugundan, V., & Ramganes, E. (2017), "Impact of iPad Enabled Instructional Design on Behavior Dynamics in Mathematics among Secondary Level Students at Fujairah – UAE ", International Journal of Teacher Educational Research (IJTER), 6(1-9), 30-36.
27. Ramganes, E. (2017), "Strategic Readiness to Inspire Culture in Higher Education", International Research Journal of Humanities, Engineering & Pharmaceutical Science, 92-96. Impact Factor: 3.491.
28. Nijina. M. Nazar., & Ramganes, E. (2017), "Cognitive Behavior Treatment of Personality Disorders", International Journal of Humanities and Social Science Invention, 6(11), 20-29. Impact Factor: 5.35
29. Irissappan, S., & Ramganes, E. (2017), "Policy Perspectives of Gross Enrolment Ratio in Indian Higher Education towards Human Resources", Shanlax International Journal of Education, 6(1), 23-27. Impact Factor: 4.012
30. Muthuselvi, L., & Ramganes, E. (2017), "Higher Education Students' Awareness towards Governance in Learning Management", Shanlax International Journal of Education, 6(1), 38-43. Impact Factor: 4.012
31. Ramganes, E. (2017), "Lesson Writing for Teaching of Mathematics for B.Ed Curriculum", Directorate of Distance Education SASTRA Deemed UNIVERSITY, Thanjavur
32. Irissappan, S., & Ramganes, E. (2018), "Dropout's Mental Health: Causes and Remedies", Shanlax International Journal of Arts, Science and Humanities, 5(1), 51-55. Impact Factor: 2.114
33. Muthuselvi, L., & Ramganes, E. (2018), "Creating Awareness in Schools towards Milestones of e-Governance – Need of the hour", Shanlax International Journal of Arts, Science and Humanities, 5(3), 145-149. Impact Factor: 2.114
34. Ramganes, E., & Muthuselvi, L. & (2018), "ICT Awareness Among Student Teachers Colleges of Education" ICT in Education, APH Publishing Corporation, New Delhi . ISBN 9789387460072
35. Joseph Milton Paulraj, I., & Ramganes, E. (2018), "Effectiveness of Neuro Linguistic Programming in ELT: An Analytical Report", Research Demagogue, Special Issue , 44-51.
36. Dr. P. M. Aswini, Prof. K. Parthasarathy, **Dr. S. Jayalakshmi** , Mr. K. Vivekanandan (2018), "Influence of Socio-economic Variables of School Teachers in their Pre-service Training on ICT", International Journal of Research in Social Sciences, 08/11, 2018, ISSN: 2249-2496 **Impact Factor: 7.081**
37. Prof. K. Parthasarathy , Mr. K. Vivekanandan, **Dr. S. Jayalakshmi** , Dr. P. M. Aswini (2018), " Exploring the Significance of the Skill Development Training among Gender of the Computer Teachers", American International Journal of Research in Humanities, Arts and Social Sciences, 2018, ISSN (Print): 2328-3734, ISSN (Online): 2328-3696, ISSN (CD-ROM): 2328-3688, **Impact Factor: 5.80**
38. Dr. K. Parthasarathy, **Dr. S. Jayalakshmi** (2018), " Study on Vocational Skill Development Training to Select Teachers in Tamil Nadu, India" , International Journal of Innovative Knowledge Concepts, 2018, 06/10, ISSN: 2454-2415 (**Impact Factor : 5.776**)

39. Prof. K. Parthasarathy, Dr.P.M.Aswini ,**Dr.S.Jayalakshmi** (2018), “Study on Exposing Technical Skills to Teachers through Skill Development Training”, International Journal for Research in Engineering Application and Development, India, 04/06, Sep 2018. ISSN – 2454-9150 (**Impact Factor : 5.646**)

40. Dr.K.Parthasarathy, **Dr.S.Jayalakshmi** (2017), “Promotion Of Computer Literacy In Rural Schools Of Tamil Nadu Through SUITS – An Innovative Study”, Global Journal of Multidisciplinary Studies – International Refereed Research Journal, 06/07, Jun 2017 ISSN No : 2348-0459 (**Impact Factor : 3.987**)

41. Dr.K.Parthasarathy, **Dr.S.Jayalakshmi** (2017), “Is the teachers training will improve the skill among students: Fact or Tact ”, International Education and Research Journal , India, 03/01, Jan 2017. E-ISSN No : 2454-9916 (**Impact Factor : 4.064**)

42. Dr.S.Jayalakshmi, PM Aswini, PM Shanmuga Priya, Dr. K Parthasarathy (2016), “Entrepreneurship Development Programmes: An Overview”, International Journal of Multidisciplinary Research and Development, India, 03/11, Page 80-85, Nov 2016. ISSN Online : 2349-4182 (**Impact Factor : 5.72**)

Appendix III

Programme Structure

B.Voc., Degree in Automobile Technology – Structure of the Syllabus Structure under CBCS

(With effect from the academic year 2018 – 2019)

Course Code	Course Type	General Component	Skill Component	L	T	P	C	Marks		Total
								Int.	Extn.	
Semester - I										
18AT101	Core Course I	Business Communication		4	0	0	4	25	75	100
18AT102	Core Course II	Value Education		2	0	0	2	25	75	100
18AT103	Core Course III	Fundamentals of Automobile Technology		3	0	0	3	25	75	100
18AT104	Core Course IV	Manufacturing Process		3	0	0	3	25	75	100
18AT105	Core Course V		Technical Drawing	2	0	4	6	25	75	100
18AT106	Core Course VI		Manufacturing Process Lab	0	0	6	6	40	60	100
18AT107	Core Course VII		Office Automation with Tally	0	0	6	6	40	60	100
Total				30			30	-	-	700
Semester – II										
18AT201	Core Course VIII	Environmental Studies		3	0	0	3	25	75	100
18AT202	Core Course IX	Safety Engineering		4	0	1	5	25	75	100
18AT203	Core Course X	Automobile Repair and Maintenance		4	0	0	4	25	75	100
18AT204	Core Course XI		Machine Drawing Lab	0	0	6	6	40	60	100
18AT205	Core Course XII		Automobile Repair and Maintenance Lab - I	0	0	6	6	40	60	100
18AT206	Core Course XIII		Industrial Training& Seminar	0	0	6	6	40	60	100
Total				30			30	-	-	600
Semester - III										

18AT301	Core Course XIV	Principle of Management		4	0	0	4	25	75	100
18AT302	Core Course XV	Repair and Maintenance of Automotive Transmission System		4	0	0	4	25	75	100
18AT303	Core Course XVI	Repair and Maintenance of Automotive Chassis System		4	0	0	4	25	75	100
18AT304	Core Course XVII		Repair and Maintenance of two & three wheeled automobiles	4	0	2	6	25	75	100
18AT305	Core Course XVIII		Repair and Maintenance of Auto Engine Laboratory	0	0	6	6	40	60	100
18AT306	Core Course XIX		Repair and Maintenance of Auto Chassis Components Laboratory	0	0	6	6	40	60	100
Total				30			30	-	-	600
Semester - IV										
18AT401	Core Course XX	Human Resource Management		4	0	0	4	25	75	100
18AT402	Core Course XXI	Automotive Electrical Repairs		4	0	0	4	25	75	100
18AT403	Core Course XXII	Vehicle Maintenance and Trouble Shooting		4	0	0	4	25	75	100
18AT404	Core Course XXIII		Repair and Maintenance of Auto Electrical and Electronics Lab	0	0	6	6	40	60	100
18AT405	Core Course XIV		Repair and Maintenance of Automotive Transmission System Lab	0	0	6	6	40	60	100
18AT406	Elective Course XV		Industrial Training& Seminar	0	0	6	6	40	60	100
Total				30			30	-	-	600
Semester - V										
18AT501	Course	Soft Skills		2	0	0	2	25	75	100

	XXVI	Development								
18AT502	Core Course XXVII	Elective - I		2	0	0	2	25	75	100
18AT503	Core Course XXVIII	Automotive Air Conditioning System		4	0	0	4	25	75	100
18AT504	Core Course XXIX	Basics of Body Building and Repair		4	0	0	4	25	75	100
18AT505	Core Course XXX		Work shop Supervising and Management	4	0	2	6	25	75	100
18AT506	Core Course XXXI		Vehicle Maintenance Lab	0	0	6	6	40	60	100
18AT507	Course XXXII		Industrial Training & Seminar	0	0	6	6	40	60	100
Total				30			30	-	-	700
Semester - VI										
18AT601	Core Course XXXIII	Gender Studies		2	0	0	2	25	75	100
18AT602	Course XXXIV	Total Quality Management		4	0	0	4	25	75	100
18AT603	Core Course XXXV	Elective -II		4	0	0	4	25	75	100
18AT604	Core Course XXXVI	Tyre Technology		4	0	0	4	25	75	100
18AT605	Core Course XXXVII		Automotive Pollution and Control	4	0	0	4	25	75	100
18AT606	Core Course XXXVIII		Business Proposal	2	0	10	12	40	60	100
Total				30			30	-	-	600

Electives for B.Voc in Automobile Technology

Course Code	Course Type	Course Name	L	T	P	C	Marks		Total
							Int.	Extn.	
Elective – I Semester – V									
18AT501	Course XVI	Marketing Management	2	0	0	2	25	75	100
18AT501	Course XVI	Entrepreneurship Development	2	0	0	2	25	75	100
Elective – II Semester – VI									
18AT603	Core Course XXIV	Basics of Electrical & Electronic Engineering	4	0	0	4	25	75	100
18AT603	Core Course XXIV	Urban Transport Requirement & Planning	4	0	0	4	25	75	100
18AT603	Core Course XXIV	Corporate Social Responsibility	4	0	0	4	25	75	100

B.Voc., Degree in Logistics & Supply chain Management – Structure of the Syllabus (With effect from the academic year 2018 – 2019)

TOTAL NUMBER OF CREDITS TO BE EARNED FOR AWARD OF THE DEGREE = 180

B.Voc., Degree in Troubleshooting and Maintenance of Electrical and Electronic Equipments– Structure of the Syllabus (W.e.f the academic year 2018-19)

Core Course Code	Core Course Type	General Component	Skill Component	L	T	P	C	Marks		Total
								Int.	Ext.	
Semester - I										
18TMEEE 101	Core Course I	Business Communication		4	0	0	4	25	75	100
18TMEEE 102	Core Course II	Value Education		2	0	0	2	25	75	100
18TMEEE 103	Core Course III	Basic Electrical and Electronics Engineering		3	0	0	3	25	75	100
18TMEEE 104	Core Course IV	Troubleshooting of Electrical and Electronic Equipments		3	0	0	3	25	75	100
18TMEEE 105	Core Course V		Workshop calculation and Computer Applications	4	0	2	6	25	75	100

18TMEEE 106	Core Course VI		House Wiring - Lab	0	0	6	6	40	60	100
18TMEEE 107	Core Course VII		Consumer Electronics Lab	0	0	6	6	40	60	100
Total				30		30	-	-	700	
Semester – II										
18TMEEE 201	Core Course VIII	Environmental Studies		4	0	0	4	25	75	100
18TMEEE 202	Core Course IX	Transformer and Armature Winding		4	0	0	4	25	75	100
18TMEEE 203	Core Course X	Electronics & Computer Hardware		4	0	0	4	25	75	100
18TMEEE 204	Core Course XI		Transformer and Armature Winding – Lab	0	0	6	6	40	60	100
18TMEEE 205	Core Course XII		Electronics and Computer Hardware - Lab	0	0	6	6	40	60	100
18TMEEE 206	Core Course XIII		Industrial Training– Level - I	0	0	6	6	40	60	100
Total				30		30	-	-	600	
Semester - III										
18TMEEE 301	Core Course XIV	Principles of Management		4	0	0	4	25	75	100
18TMEEE 302	Core Course XV	Electrical Machines - I		4	0	0	4	25	75	100
18TMEEE 303	Core Course XVI	Telecommunication Systems		4	0	0	4	25	75	100
18TMEEE 304	Core Course XVII		Troubleshooting of telecommunication systems Lab	0	0	6	6	25	75	100
18TMEEE 305	Core Course XVIII		Troubleshooting of Machines – I - Lab	0	0	6	6	40	60	100
18TMEEE 306	Core Course XIX		Electric and Electronic Measurements - Lab	0	0	6	6	40	60	100
Total				30		30	-	-	600	
Semester - IV										
18TMEEE 401	Core Course XX	Human Resource Management		4	0	0	4	25	75	100

18TMEEE 402	Core Course XXI	Electrical Machines - II		4	0	0	4	25	75	100
18TMEEE 403	Core Course XXII	Electronic security systems		4	0	0	4	25	75	100
18TMEEE 404	Core Course XXIII		Troubleshooting of Electronic security systems	0	0	6	6	25	75	100
18TMEEE 405	Core Course XIV		Troubleshooting of Machines - II - Lab	0	0	6	6	40	60	100
18TMEEE 406	Core Course XV		Industrial Training – Level - II	0	0	6	6	40	60	100
Total				30			30	-	-	600
Semester - V										
18TMEEE 501	Course XXVI	Soft Skills Development		2	0	0	2	25	75	100
18TMEEE 502	Core Course XXVII	Elective - I		2	0	0	2	25	75	100
18TMEEE 503	Core Course XXVIII	Power plant Engineering		4	0	0	4	25	75	100
18TMEEE 504	Core Course XXIX	Medical Electronics		4	0	0	4	25	75	100
18TMEEE 505	Core Course XXX		Testing of Medical Devices	0	0	6	6	25	75	100
18TMEEE 506	Core Course XXXI		Electronic Product Testing Lab	0	0	6	6	40	60	100
18TMEEE 507	Course XXXII		Industrial Training– Level - III	0	0	6	6	40	60	100
Total				30			30	-	-	700
Semester - VI										
18TMEEE 601	Core Course XXXIII	Gender studies		1	0	0	1	25	75	100
18TMEEE 602	Course XXXIV	Total Quality Management		4	0	0	4	25	75	100
18TMEEE 603	Core Course XXXV	Elective - II		4	0	0	4	25	75	100
18TMEEE 604	Core Course XXXVI	Renewable Energy Sources		0	0	4	4	25	75	100
18TMEEE 605	Core Course		Renewable Energy Source - Lab	0	0	5	5	40	60	100

	XXXVII									
18TMEEE 606	Core Course XXXVIII		Business Proposal	2	0	10	12	40	60	100
Total				30		30	-	-	600	

Electives for B.Voc in Troubleshooting and Maintenance of Electrical and Electronic Equipments

Course Code	Course Type	Course Name	L	T	P	C	Marks		Total
							Int.	Ext.	
Elective – I Semester – V									
18TMEEE 502	Course XVI	Electrical design, estimation and costing	4	0	0	4	25	75	100
18TMEEE 502	Course XVI	Electronics manufacturing Technology	4	0	0	4	25	75	100
18TMEEE 502	Course XVI	Electrical Principles in Ground Water Investigation	4	0	0	4	25	75	100
Elective – II Semester – VI									
18TMEEE 603	Course XXIV	Power Management	4	0	0	4	25	75	100
18TMEEE 603	Course XXIV	Industrial Electronics	4	0	0	4	25	75	100
18TMEEE 603	Course XXIV	Advanced Ergonomics	4	0	0	4	25	75	100