TITLE OF PROJECT REPORT

PROJECT REPORT

Submitted by

Student Name 1 Register No

Student Name 1 Register No

Student Name 1 Register No

Student Name 1 Register No

to

The APJ Abdul Kalam Technological University

iin partial fulfillment of the requirements for the award of the Degree of

BACHELOR OF TECHNOLOGY (B.TECH)

in

COMPUTER SCIENCE & ENGINEERING

Under the guidance of

Guide Name

APRIL 2013

Department of Computer Science & Engineering

JYOTHI ENGINEERING COLLEGE, CHERUTHURUTHY

THRISSUR 679 531

DECLARATION

We the undersigned hereby declare that the project report "Title of project" , submitted for partial fulfillment of the requirements for the award of degree of Bachelor of Technology of the APJ Abdul Kalam Technological University, Kerala is a bonafide work done by us under supervision of Name of supervisor(s). This submission represents our ideas in our own words and where ideas or words of others have been included, we have adequately and accurately cited and referenced the original sources. I also declare that I have adhered to ethics of academic honesty and integrity and have not misrepresented or fabricated any data or idea or fact or source in this submission. I understand that any violation of the above will be a cause for disciplinary action by the institute and/or the University and can also evoke penal action from the sources which have thus not been properly cited or from whom proper permission has not been obtained. This report has not been previously used by anybody as a basis for the award of any degree, diploma or similar title of any other University.

Place

Date

Signature &

Name of the students

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

JYOTHI ENGINEERING COLLEGE, CHERUTHURUTHY

THRISSUR 679 531

<u>CERTIFICATE</u>

This is to certify that the report entitled Title **Project Title** submitted by **Student Names** to the APJ Abdul Kalam Technological University in partial fulfillment of the requirements for the award of the Degree in Bachelor of Technology in **Computer Science & Engineering** is a bonafide record of the project work carried out by them under my/our guidance and supervision.. This report in any form has not been submitted to any other University or Institute for any purpose.

Internal Supervisor(s)   External Supervisor   HEAD OF THE DEPT

DEPARTMENT VISION

Creating eminent and ethical leaders in the domain of computational sciences through quality professional education with a focus on holistic learning and excellence.

DEPARTMENT MISION

- To create technically competent and ethically conscious graduates in the field of Computer Science & Engineering by encouraging holistic learning and excellence.

- To prepare students for careers in Industry, Academia and the Government.

- To instill Entrepreneurial Orientation and research motivation among the students of the department

- To emerge as a leader in education in the region by encouraging teaching, learning, industry and societal connect

PROGRAMME EDUCATIONAL OBJECTIVES (PEO's)

- The graduates shall have sound knowledge of Mathematics, Science, Engineering and Management to be able to offer practical software and hardware solutions for the problems of industry and society at large.

- The graduates shall be able to establish themselves as practising professionals, researchers or Entrepreneurs in computer science or allied areas and shall also be able to pursue higher education in reputed institutes.

- The graduates shall be able to communicate effectively and work in multidisciplinary teams with team spirit demonstrating value driven and ethical leadership.

PROGRAMME OUTCOMES (PO's)

1. Ability to apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

2. Ability to Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

3. Ability to design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

4. Ability to use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

5. Ability to create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

6. Ability to apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

7. Ability to understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

8. Ability to apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

9. Ability to function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings

10. Ability to communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

11. Ability to demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

12. Ability to recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

PROGRAMME SPECIFIC OBJECTIVES (PSO's)

- An ability to apply knowledge of data structures and algorithms appropriate to computational problems.

- An ability to apply knowledge of operating systems, programming languages, data management, or networking principles to computational assignments.

- An ability to apply design, development, maintenance or evaluation of software engineering principles in the construction of computer and software systems of varying complexity and quality.

- An ability to understand concepts involved in modeling and design of computer science applications in a way that demonstrates comprehension of the fundamentals and trade-offs involved in design choices.

ACKNOWLEDGEMENT

We take this opportunity to express our heartfelt gratitude to all respected personalities who had guided, inspired and helped us in the successful completion of this seminar. First and foremost, we express our thanks to **The Lord Almighty** for guiding us in this endeavour and making it a success.

We take immense pleasure in thanking the **Management** of Jyothi Engineering College and **Fr.Dr.Jaison Paul Mulerikkal CMI**, principal, Jyothi Engineering College for having permitted me to carry out this project. Our sincere thanks to **HOD Name**, Head of the Department of Computer Science and Engineering for permitting us to make use of the facilities available in the department to carry out the project successfully.

We express our sincere gratitude to **Co-ordinators name**, project Coordinator for his invaluable supervision and timely suggestions. We are very happy to express our deepest gratitude to our mentor **Guide Name**, Assistant Professor,Department of Computer Science and Engineering, Jyothi Engineering College for his able guidance and continuous encouragement.

Last but not least we extend our gratefulness to all teaching and non teaching staffs who directly or indirectly involved in the successful completion of this project and to all our friends who have patiently extended all sorts of help for accomplishing this undertaking.

ABSTRACT

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List of Abbreviations

CC : *Cognitive Computing*

PCC : *Parallel Compass Compiler*

COMPASS : *Computerised Mental Performanc Assessment System*

List of Symbols

γ : *Wavelength*

COMPASS   : *Computerised Mental Performanc Assessment System*

CHAPTER 1
INTRODUCTION

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CHAPTER 2
LITERATURE SURVEY

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CHAPTER 3
METHADOLOGY

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CHAPTER 4
RESULTS & DISCUSSION

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CHAPTER 5
CONCLUSION

- Data 1

- Data 2

- Data 3

1. Data 1

2. Data 2

3. Data 3

in the Figure 5.1

Figure 5.1: Sample Image

Appendix A
Cognitive psychology of problem solving

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Approaches and factors in problem solving

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