

GUIDELINES FOR B.TECH PROJECT/ INTERNSHIP REPORT PREPARATION



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Sardar Vallabhbhai National Institute of Technology (SVNIT) Surat

Guidelines for preparation of Project/Internship Reports

Introduction

The aim of this document is to present the basic guidelines on how a report should be constructed for a B.Tech project/internship. Any student must confer to the rules and guidelines that have been laid out in the following sections while writing their final report.

Final year Project/internship will be evaluated in **total in two stages**: i.e two presentations in 7/8th semester respectively. The seventh/eight semester project evaluation presentations consist of (i) first stage presentation before/during the mid semester examination and (ii) final project evaluation (second stage presentation) after the end semester examination. The mark distribution for each stage will be circulated through the student notice board.

Students of the above class are instructed to follow the guidelines mentioned below in the preparation of their project reports during each stage presentation.

1	The project reports of all the students in the class should have a uniform cover page, student declaration page, and certificate page – to be obtained from the System Administrator of the department.
2	The title of the project, name of the guide, name of the student and ADMIN NO have to be clearly written in bold only – and with black ink only.
3	All the project reports have to be soft bound only with - again - uniform front and rear plastic protection sheets, The sheets should be transparent blue color on the front cover and should be black on the rear cover .
4	There is as such no restriction on the max. number of pages, which the project report should contain. Your report should have at least 30 pages content excluding the front, index page. But, one good basis while writing is - first understand the concepts thoroughly and only then include them in the text – <u>so that whatever text is written in the project report, one very well knows that and is able to easily avoid the embarrassing situation of not being able to answer a question - the answer to which is otherwise there in the report.</u> At least one should not look bewildered, when the jury points out something in the report and asks a question on that reference.

The project report contents should be written STRICTLY as per the following order: Cover page-bearing title, name of the guide etc. - as mentioned above – copy of which to be procured from System Administrator.

Certification page with the provision for signatures of the guide & jury members. **The technical content of the project report should follow IEEE or any other reputed journal style like Springer, EURASIP, and IET. Students are requested to refer to various papers from these journals for understanding and organizing abstract, introduction, literature survey, proposed work sections, simulation results and conclusion. Students are also requested to refer IEEE report preparation guidelines for technical presentation. The End report must be prepared using Latex only.**

The project report consists of:

Title Page (with no page number)

Student Declaration (start roman page numbering)

Certificates (page 17-18)

Abstract /* at end of abstract write Key words:...(example of any IEEE paper)*/

Index

List of Figures

List of Tables

List of Acronyms

List of Symbols (end roman page numbering)

/* Title page to List of Symbols should start with new page on right hand side*/

Chapter

This project report shall be presented in a number of chapters, starting with Introduction and ending with Summary and Conclusions. Each of the other chapters will have a precise title reflecting the contents of the chapter. A chapter can be subdivided into *sections, subsections and sub subsections* so as to present the content discretely and with due emphasis. When the work comprises two or more mutually independent investigations, the project report may be divided into two or more parts, each with an appropriate title. However, the numbering of chapters will be continuous right through.

Chapter 1 Introduction

Chapter 2

Chapter 3

up to end of Acknowledgement as described below should be numbered in Arabic page numbering style

/* Chapter 1 to Acknowledgement should start with a new page on the right hand or left hand side but all their content should be a two sided printout. */

Chapter 1 Introduction

/* Introduction paragraph – introduction to application or problem, importance commercially, in application, in industry etc. */

1.1 Applications

1.2 Motivation

/* Purpose of selection of this project */

1.3 Objectives

/* What are you going to achieve through this project or planning to provide the solution for which fulfilling objectives*/

1.4 Contribution

/* What actually you have done */

1.5 Organization of project report

Chapter 2 Literature Survey

complex
/* Introduction paragraph – what are you going to survey, broad classification of methods etc. */
qurr qcsa

/* following sections should be organized in an appropriate way for describing survey */

/* In case of theoretical background is very much required in understanding the concepts or equations, or theory not in normal case studied during any of subjects, then you may describe as few subsection, before literature survey */

/* If theoretical background is included then title may be changed to Theoretical background and Literature Survey */

2.1 /* survey category wise */

.....

2.# /* Summary */

Chapter 3 Proposed Algorithm/Work/Application

/*Choose appropriately*/

/* Introduction paragraph Why we are developing and what we are exploiting in achieving or developing algorithms or solutions It should be in brief */

3.1 /* with appropriate title understanding logical development of algorithm or solution or application */

3.2 /* with appropriate title Algorithm / Work / Application description with detailed steps with flow chart, if any, there may be more than one sections to describe the same */

3.3 /* If any theoretical examples */

3.4 /* Summary */

Chapter 4 Simulation and Results

/* Introduction paragraph describing how you have planned to do simulation, collection of data, characteristics/features of data, division of simulations if any etc. */

4.1 /* with appropriate title division of simulations description */

/* Simulation result description for each case required for description, discussion of figures, tables, analysis of it. */

4.2

4.3 /* Summary */

Chapter 5 Conclusion and Future Work

/* Introduction paragraph with starting with objective, then contribution and proposed work description in one or two paragraph before conclusion */

5.1 Conclusion /* conclusion is summary of simulation and results in brief */

5.2 Future Work /* how your work can be extended or improvement can be done */

References :

To be provided immediately after the last chapter.

You are free to use any of the following five formats for giving the reference of the Research Papers: MLA, APA, Chicago, Harvard, or Vancouver. But, It must be ensured that while writing the references in the last, The reference must contain the Title of the Paper, Author(s) name, Year of publication, Name of Conference/Journal and DOI no.

1. One author

You are free to cite references in any of the following two formats. But make sure that whichever format you are using should remain same in the entire paper.

- XYZ (2007) developed this method of Subsequently other researchers have adopted this technique (Ramakrishna, 2009; Bhaskar, 2010).

Or

- XYZ developed this method of Machine Learning[1] Subsequently other researchers have adopted this technique[2]

2. Two authors

You are free to cite references in any of the following two formats. But make sure that whichever format you are using should remain same in the entire paper.

- XYZ and Ram (2008) developed the model of Subsequently other researchers adopted this technique (Ramakrishna, 2009; Rao and Ram, 2011)

OR

- XYZ and Ram developed the model of Machine Learning [1] Subsequently other researchers adopted this technique[2]

3. Multiple authors & more than one publication in a year

- “Ram et al. (2005a) has designed the model” when given in sentence.

“Model AAB could regulate the control unit more efficiently (Ram et al.,2005b) .” while given in brackets

OR

- “Ram et al. has designed the model” when given in sentence.[2]

“Model AAB could regulate the control unit more efficiently” while given in brackets [2]

4. Citing multiple references

When many authors are cited in a sentence it is given as “.....Similar work was also proposed by Singh and Robin (2008); Ram et al. (2009); Prakash (2011).....”

“Similar work was demonstrated for varied data set by many researchers (Singh and Robin, 2008; Ram et al., 2009; Prakash, 2011).....”

OR

When many authors are cited in a sentence it is given as “.....Similar work was also proposed by

Singh and Robin, Ram et al, Prakash [1][2][3].”

“Similar work was demonstrated for varied data set by many researchers (Singh and Robin, Ram et al., Prakash[1][2][3]

Listing of the References

References are to be listed after the last chapter. Within a reference the line spacing should be single. Each reference should be separated by one blank line. The reference number should be left aligned. The text of the reference should have an indentation of 10 mm. The reference format to be followed for journal articles, text books, conference proceedings etc. are given below.

Journals

While citing Journal as references, it must be ensured that the cited reference must contain Author Name, Title, Journal Name, Volume number(if available), Issue(If available), Date of publication, page numbers and DOI(If volume number and Issue number is not available).

References should be consistent. The students can use any follow any 1 citation style from the below list:

- APA
- MLA
- Chicago
- Harvard
- Vancouver

Citation details can be obtained from www.scholar.google.com. In the search bar type the title of the paper which needs to be cited. Click on double quotes as shown in the image



Articles

Any time

Since 2021

Since 2020

Since 2017

Custom range...

Sort by relevance

Sort by date

Any type

☐ include patents

☒ include citations

Review articles

[HTML] Newborn face recognition using deep convolutional neural network

R Singh, H Om - *Multimedia Tools and Applications*, 2017 - Springer

Abstract Development of expertise in Face Recognition has led researchers to apply its various techniques for newborn recognition as some of the problems such as swapping, kidnapping are still prevalent. The paper proposes to apply Deep Convolutional Neural Network (CNN) to IIT (BHU) newborn database. The database has its own advantages where the quality of images is high and segregation has been done for various expressions of newborn. The Deep CNN applied in this paper is more advantageous when compared to ...

☆ 99 Cited by 24 Related articles All 4 versions

Showing the best result for this search. See all results



Cite

MLA Singh, Rishav, and Hari Om. "Newborn face recognition using deep convolutional neural network." *Multimedia Tools and Applications* 76.18 (2017): 19005-19015.

APA Singh, R., & Om, H. (2017). Newborn face recognition using deep convolutional neural network. *Multimedia Tools and Applications*, 76(18), 19005-19015.

Chicago Singh, Rishav, and Hari Om. "Newborn face recognition using deep convolutional neural network." *Multimedia Tools and Applications* 76, no. 18 (2017): 19005-19015.

Harvard Singh, R. and Om, H., 2017. Newborn face recognition using deep convolutional neural network. *Multimedia Tools and Applications*, 76(18), pp.19005-19015.

Vancouver Singh R, Om H. Newborn face recognition using deep convolutional neural network. *Multimedia Tools and Applications*. 2017 Sep;76(18):19005-15.

[BibTeX](#) [EndNote](#) [RefMan](#) [RefWorks](#)

1. Prakas, K. (2011). Feedback and optimal sensitivity: Model reference transformations, multiplicative seminorms, and approximate inverses. *IEEE Transactions on Automatic Control*, 26(2): 301–320.
2. Ram, R., Krishna, S. and Peter, K. (2005a). Risk sensitive estimation and a differential game. *IEEE Transactions on Automatic Control*, 39(9): 1914–1918.

3. Ram, R., Krishna, S. and Peter, K. (2005b). Differential rectification using control points. *IEEE Transactions on Geoscience and Remote sensing*, 55: 914 – 918.
4. Ram, R., Krishnamurthy, P., Prasad, N. and Peter, K. (2009). Risk sensitive estimation model II. *IEEE Transactions on Automatic Control*, 43(15): 355 - 363.

Text books

1. Myers, D. G. (2007). *Psychology* (1st Canadian ed.). Worth: New York.
2. Robin, R. (2008). *Robust Statistics*. Wiley-Interscience: New York.

Conference proceedings

While citing Conference as references, it must be ensured that the cited reference must contain Title, Conference Name, Venue, Date and Page No.

1. Payne, D.B. and Gunhold, H.G. (1986). Digital sundials and broadband technology, In *Proc. IOOC-ECOC*, 1986, pp. 557-998.
2. Singh, K. and Robin, R. (2008). A linear- quadratic game approach to estimation and smoothing. In *American Control Conference*, New York. June 20 – 25, 2008, pp. 2818–2822.

Reports

1. Milton, M and Robert, L. (2004). Atmospheric carbon emission through genetic algorithm, *Environment and Technical Report No.3.*, Indian Meteorological Department., New Delhi.

Online journals with a DOI (Digital Object Identifier)

1. Krebs, D.L. and Denton, K. (2006). Explanatory limitations of cognitive-developmental approaches to morality. *Psychological Review*, 113(3): 672-675. doi: 10.1037/0033-295X.113.3.672

Online journals without a DOI

1. Vicki, G.T., Thomae, M., Cullen, A. and Fernandez, H. (2007). Modeling the hydrological impact on Tropical Forests. *Forest Ecology*, 13(10): 122-132. Retrieved from <http://www.uiowa.edu/~grpproc/crisp/crisp.html>

Online abstracts

1. Perilloux, C. and Buss, D.M. (2008). Human relationships: Costs experienced and coping strategies deployed. *Evolutionary Psychology*, 6(1): 164-181. Abstract retrieved from <http://www.epjournal.net>

Online books

1. Perfect, T.J. and Schwartz, B. L. (Eds.) (2002). *Applied metacognition*. Retrieved from <http://www.questia.com/read/107598848> (--If DOI is available, use the DOI instead of a URL)

Chapters from a book

1. Krebs, D.L. and Denton, K. (1997). Social illusions and self deception: The evolution of biases in person perception. In J. A. Simpson & D. T. Kenrick (Eds.), *Evolutionary social psychology* (pp.21-48). Hillsdale, NJ: Erlbaum.

Books in print form

1. Snyder, C.R., Higgins, R.L. and Stucky, R.J. (Eds.). (1983). *Excuses: Masquerades in search of grace*. New York, NY: John Wiley & Sons.

Dissertations and Thesis

1. Mack, S. (2000). "Desperate Optimism" M.S. Thesis, University of Calgary, Canada.

IPR from project work (*if any*)

Acknowledgement

The whole report must be spell checked and grammatically checked, using a proper mathematical equation editor for writing equations in the report.

Appendix

/ consists of any derivation, specialized tool box configuration steps, figures if any for explaining in downloading, installing or how to use few package in the projects, if any */*
/ pseudo code can be included here */*

6	<p><u>The text of the report should be typed with the following specifications</u> : Paper format: A-4 size.</p> <p>Spacing: Single spacing for abstract – in italics. 1.5 spacing for the other text. Leave at least one line between a heading and the text.</p> <p>Project title: Centre and bold, Font size 14</p> <p>Abstract: Font size 10, preferably up to 200 words.</p> <p>Keywords: separated by hyphens Font size 10.</p> <p>Page setup: A-4 Size</p> <p>Margins: L = 1”, R =1”, T=1”, B=1” -</p> <p>MIRROR the Margins</p> <p>Main text: Font Size 12 (Left justified and right justified)</p> <p>Font type: Times New Roman throughout the project report.</p> <p>Chapter titles: Centre and bold, Font size 18</p> <p>Heading: First Level Font size 12 bold, Second level Font size 11 bold.</p>
7	First line Title page should be modified as below:

	For first stage report	
	<i>A Mid Sem Project Evaluation Report on :</i>	
	For final stage report	
	<i>A Project Report on :</i>	

	<p>Before presentation prepare appropriate number of report copies:</p> <p>Final stage (8th semester) - minimum two copies (one for department and one for student group)</p> <p>Final Project (Final stage) (8th semester) number of copies will be:- (one for department, one for supervisor, one for each student in a group)</p> <p>Student declaration and Certificate page are required for all stages' reports. Prepare a concise and precise presentation of the project and ensure that it is installed for presentation before your turn.</p> <p>The Report should be in the shared format or use beamer.</p>	
8	<p>The duration of the presentation will be <u>strictly 20 minutes.</u> This will be strictly monitored by the jury may force negative grading if they do not complete by the same time. A further 10 minutes shall be reserved for the question-answer session.</p> <p>Students are also advised NOT to read the speech from the papers/books too. However, supplemented chits/notes - covering the sequence of titles/topics to be discussed - to navigate the speech properly IS allowed.</p> <p>However, students should ensure that before presentation the reports are duly signed by the guide and the HOD and are signed by all the jury members after presentation.</p>	

A Mid Sem Project Evaluation Report on:

Prepared by :

Admission No. Student Name

Class : B.TECH. IV (Computer Science and Engineering) 8th Semester

Year : 20XX-20XX

Guided by :



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
SARDAR VALLABHBHAI NATIONAL INSTITUTE OF TECHNOLOGY, SURAT - 395
007 (GUJARAT, INDIA)

**Towards partial fulfilment for Undergraduate Degree Level Programme
Bachelor of Technology in Computer Science and Engineering**

A Project Report on:

Prepared by :

Admission No. Student Name

Class : B.TECH. IV (Computer Science and Engineering) 8th Semester

Year : 20XX-20XX

Guided by :



**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
SARDAR VALLABHBHAI NATIONAL INSTITUTE OF TECHNOLOGY SURAT,
GUJARAT, INDIA - 395 007**

Student Declaration

This is to certify that the work described in this project report has been actually carried out and implemented by our project team consisting of

Sr.	Admission No.	Student Name

Neither the source code there in, nor the content of the project report have been copied or downloaded from any other source. We understand that our result grades would be revoked if later it is found to be so.

Signature of the Students:

Sr.	Student Name	Signature of the Student

Certificate

This is to certify that the project report entitled _____
_____ is prepared and presented by

Sr.	Admission No.	Student Name

Final Year of Computer Science and Engineering and their work is satisfactory.

SIGNATURE:

Supervisor/s

JURY

HEAD OF DEPARTMENT

Certificate of IPR

This is to certify that the project report entitled _____ is prepared and presented by
following students for final year *Computer Science and Engineering*

Sr.	Admission No.	Student Name

They have drafted/ published a Research Paper / Patent/

_____ (Mention details of your IPR details if any)

<Signature>

<Name of the supervisor>

Department of Computer Science and Engineering

Acknowledgment

All acknowledgements to be included here. Please restrict it to a single page.

The name of the candidate shall appear at the end, without signature.

<Name of the Candidate>

Abstract

Abstract of the report to be given here. Please restrict to a maximum of 500 words. NOTE: The abstract should not have any citations, or abbreviations, nor should it be divided into sections. It can be divided into adequate number of paragraphs as the author wishes. It is advisable to avoid any equations in the Abstract. Figures and tables are to be avoided.

Note that all paragraphs in the Abstract start with an indent of 15 mm, and there is no extra spacing between two successive paragraphs. The text should be Times New Roman font size 12, single spaced.

NOTE: The students also need to submit a CD for internship to the supervisor which should

contain the following documents:

1. Soft Copy of the report (in word/Latex)
2. PPT
3. Code
4. Dataset(If used)
5. Plagiarism Report