GLOBAL INSTITUTE OF ENGINEERING &TECHNOLOGY

(Approved by AICTE & Affiliated to JNTUH)

Survey No. 179, Chilkur (V), Moinabad (M), Ranga Reddy Dist. TS.

Phone: 8790101015 / 9959250205

e-mail: principal.giet.u6@gmail.com

JNTUH Code(U6)   CIVIL — CSE — MECH — ECE — EEE — MBA — M.Tech.   EAMCET Code- GLOB

Department of Computer Science and Engineering

Mrs. Deeba Khan
BE., ME.,(Ph.D)
Associate Professor & Head

Lr.No: GIET/CSE/Brdg Cour/001/07/2017-18

Date 03/07/2017

To

The Principal
Global Institute of Engineering &Technology
Moinabad

Respected Sir,

Sub: Permission to Conduct Bridge Course for the Students of CSE-II Year- reg.

*****

This is to get it to your kind notice that we Department of Computer Science and Engineering are interested to conduct a Bridge Course On **'Scripting Languages** to the students of CSE-II Year from 10/07/2017 to 15/07/2017, which is undertaken for students benefit as a value addition to curriculum of course.

These classes help students to strengthen their basics and bridge gap between intermediate and engineering. These classes give them a brief idea of Computer Science Engineering.

Kindly accord approval so as to make necessary arrangements for conducting the classes for students of Computer Science and Engineering -CSE II Year -Academic Year: 2017-18.

Thanking you.

03/7/2017

H.O.D

HEAD
Department of Computer Science & Engg.
Global Institute of Engineering & Technology
Chilkur (V)., Moinabad (M)., R.R. Dist.T.S.-501504.

Cc to :

Director – *for information*

Dy. Director- *for information*

Dean – *for information*

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Department of Computer Science and Engineering

Mrs. Deeba Khan

BE., ME.,(Ph.D)

Associate Professor & Head

Lr.No: GIET/CSE/Brdg Cour/006/07/2017-18

Date 06/07/2017

CIRCULAR

All the students of CSE-II Year are informed to express their interest by enrolling their name for the One week Bridge course on **"Scripting Language"** starting from 10/07/2017 to 15/07/2017 . The detailed syllabus for the course is attached for your information. Concerned mentors are instructed to submit the list of students enrolled within two days to the undersigned. For further information, you can   contact   the   Course   Coordinator.

H.O.D

HEAD

Department of Computer Science & Engg.

Global Institute of Engineering & Technology

Chilkur (V)., Moinabad (M)., R.R. Dist.T.S.-501504.

Cc to :

Principal – *for information*

IQAC- *for information*

Mentor– *for information*

Notice board

File

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Department of Computer Science and Engineering

### COURSE SYLLABUS FOR "SCRIPTING LANGUAGES"

S.no	Topics to delivered	Duration Class work +Lab Practice (in hours)
1	Introduction to Scripting Languages	6
2	C Shell	6
3	Javascript	6
4	Php (Hypertext Preprocessor)	6
5	Python	6
6	Ruby	6

Coordinator

H.O.D

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Global Institute of Engineering & Technology
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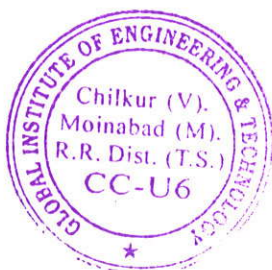
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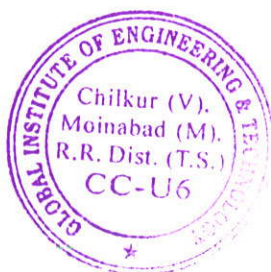**JNTUH Code(U6)   CIVIL – CSE – MECH – ECE – EEE – MBA – M.Tech.   EAMCET Code– GLOB**

Department of Computer Science and Engineering

LIST OF STUDENTS ENROLLED FOR BRIDGE COURSE

ACADEMIC YEAR: 2017-2018

S.No	Roll no	Name of the student	Year	Dept
1	15U61A0507	DIPAK ANOWAR	II	CSE
2	16U61A0501	ANNADI AKHIL	II	CSE
3	16U61A0502	APPANI DEEPIKA	II	CSE
4	16U61A0503	ASIF RAIHAN	II	CSE
5	16U61A0504	B BRUGU	II	CSE
6	16U61A0505	BANDARI HARSHINI	II	CSE
7	16U61A0506	CHINTALA RAVALI	II	CSE
8	16U61A0508	DEVINENI RISHENDRA KRISHNA	II	CSE
9	16U61A0514	KATAM SAIKUMAR MURALI	II	CSE
10	16U61A0515	MOHAMMED ATIYA BANU	II	CSE
11	16U61A0516	MOHAMMED FAIYAZ	II	CSE
12	16U61A0518	MOHAMMED SAMIUDDIN SHAMS	II	CSE
13	16U61A0522	PARUPATI VEERENDRA	II	CSE
14	16U61A0524	QUAMRUDDIN AHMAD	II	CSE
15	16U61A0528	SHAROON PAUL	II	CSE
16	16U61A0529	SUNKOJU SREERAJ	II	CSE
17	16U61A0532	ZUNAID AKHTAR ANSARI	II	CSE

COORDINATOR

H.O.D

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Global Institute of Engineering & Technology
Chilkur (V)., Moinabad (M)., R.R. Dist.T.S.-501504.

Chilkur (V).
Moinabad (M).
R.R. Dist. (T.S.)
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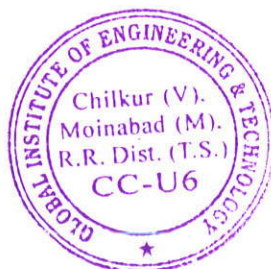JNTUH Code(U6)   CIVIL – CSE – MECH – ECE – EEE – MBA – M.Tech.   EAMCET Code– GLOB
Department of Computer Science and Engineering

Bridge Course
On
Scripting Languages
(10ᵗʰ July to 15ᵗʰ July 2017)

PROGRAMME SCHEDULE

	Forenoon (FN)		Afternoon(AN)
Day1	INAUGURATION	**Introduction to Scripting Languages** Ms.Ameena Assistant Professor, SWCET, Hyderabad	Introduction to Scripting Languages continued.
Day2	**C Shell** Ms.Ameena Assistant Professor, SWCET, Hyderabad.		Programming Session on C Shell
Day3	**Javascript** Ms.Ameena Assistant Professor, SWCET, Hyderabad		Programming Session Basics JavaScripts
Day4	**Php (Hypertext Preprocessor)** Ms.Wasiya Nilofer Head of Dept.CSE, SWCET, Hyderabad		Programming Session Basic php Programs
Day5	**Python** Ms.Wasiya Nilofer Head of Dept.CSE, SWCET, Hyderabad		Programming Session Basic python Programs
Day6	**Ruby** Ms.Wasiya Nilofer Head of Dept.CSE, SWCET, Hyderabad		Programming Session Basic Ruby Programs

Coordinator
Mr. K Monachary
Assistant Professor
Department of CSE

GLOBAL INSTITUTE OF ENGINEERING &TECHNOLOGY

Department of Computer Science and Engineering
Bridge Course
On
Scripting Languages

ATTENDENCE SHEET OF BRIDGE COURSE ON SCRIPTING LANGUAGES

S.No	Roll Number	Name of the Participant	Programme	Year	Day-1 (10/07/2017) FN	Day-1 AN	Day-2 (11/07/2017) FN	Day-2 AN	Day-3 (12/07/2017) FN	Day-3 AN	Day-4 (13/07/2017) FN	Day-4 AN	Day-5 14/7/2017 FN	Day-5 AN	Day-6 15/7/2017 FN	Day-6 AN
1	15U61A0507	DIPAK ANOWAR	B.Tech	II	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
2	16U61A0501	ANNADI AKHIL	B.Tech	II	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
3	16U61A0502	APPANI DEEPIKA	B.Tech	II	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✗
4	16U61A0503	ASIF RAIHAN	B.Tech	II	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
5	16U61A0504	B BRUGU	B.Tech	II	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
6	16U61A0505	BANDARI HARSHINI	B.Tech	II	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
7	16U61A0506	CHINTALA RAVALI	B.Tech	II	✓	✓	✗	✗	✓	✓	✓	✗	✗	✓	✓	✗
8	16U61A0508	DEVINENI RISHENDRA KRISHNA	B.Tech	II	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✗
9	16U61A0514	KATAM SAIKUMAR MURALI	B.Tech	II	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✓
10	16U61A0515	MOHAMMED ATIYA BANU	B.Tech	II	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
11	16U61A0516	MOHAMMED FAIYAZ	B.Tech	II	✓	✓	✗	✗	✓	✓	✓	✓	✓	✓	✓	✓
12	16U61A0518	MOHAMMED SAMIUDDIN SHAMS	B.Tech	II	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
13	16U61A0522	PARUPATI VEERENDRA	B.Tech	II	✓	✓	✓	✓	✓	✓	✗	✗	✗	✗	✓	✓
14	16U61A0524	QUAMRUDDIN AHMAD	B.Tech	II	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
15	16U61A0528	SHAROON PAUL	B.Tech	II	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
16	16U61A0529	SUNKOJU SREERAJ	B.Tech	II	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
17	16U61A0532	ZUNAID AKHTAR ANSARI	B.Tech	II	✓	✓	✓	✓	✗	✗	✓	✓	✓	✓	✓	✓

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GLOBAL INSTITUTE OF ENGINEERING & TECHNOLOGY

Department of Computer Science and Engineering

Attendance Sheet of Bridge course on " Scripting Language "

S. NO	H.T.No	NAME OF THE PARTICIPANT	Year	Dept	10/7/2017	11/7/2017	12/7/2017	13/7/2017	14/7/2017	15/7/2017	Total	Percentage
1	15U61A0507	DIPAK ANOWAR	II	CSE	6	6	6	6	6	6	36	100
2	16U61A0501	ANNADI AKHIL	II	CSE	6	6	6	6	6	6	36	100
3	16U61A0502	APPANI DEEPIKA	II	CSE	6	6	6	6	6	0	30	83.33333333
4	16U61A0503	ASIF RAIHAN	II	CSE	6	6	6	6	6	6	36	100
5	16U61A0504	B BRUGU	II	CSE	6	6	6	6	6	6	36	100
6	16U61A0505	BANDARI HARSHINI	II	CSE	6	6	6	6	6	6	36	100
7	16U61A0506	CHINTALA RAVALI	II	CSE	6	6	6	6	6	6	36	100
8	16U61A0508	DEVINENI RISHENDRA	II	CSE	6	0	6	6	6	6	30	83.33333333
9	16U61A0514	KATAM SAIKUMAR MURALI	II	CSE	6	6	6	6	6	0	30	83.33333333
10	16U61A0515	MOHAMMED ATIYA BANU	II	CSE	6	6	6	6	6	6	36	100
11	16U61A0516	MOHAMMED FAIYAZ	II	CSE	6	0	6	6	6	6	30	83.33333333
12	16U61A0518	MD SAMIUDDIN SHAMS	II	CSE	6	6	6	6	6	6	36	100
13	16U61A0522	PARUPATI VEERENDRA	II	CSE	6	6	6	0	0	6	24	66.66666667
14	16U61A0524	QUAMRUDDIN AHMAD	II	CSE	6	6	6	6	6	6	36	100
15	16U61A0528	SHAROON PAUL	II	CSE	6	6	6	6	6	6	36	100
16	16U61A0529	SUNKOJU SREERAJ	II	CSE	6	6	6	6	6	6	36	100
17	16U61A0532	ZUNAID AKHTAR ANSARI	II	CSE	6	6	0	6	6	6	30	83.33333333
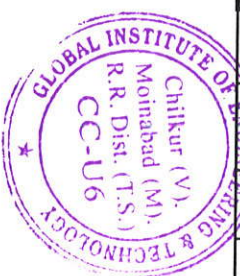
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Global Institute H.O.D Engineering & Technology
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Department of Computer Science and Engineering

Bridge Course
On
Scripting Languages

(10ᵗʰ July – 15ᵗʰ July 2017)

FEEDBACK FORM

Please valuate your rating of the course by placing a tick in the appropriate box.
1. Poor 2. Satisfactory 3. Good 4. Very good   5. Excellent

Branch and Year: CSE – 2nd

Date: 15-07-2017

ASPECTS	RATING				
	Excellent 5	Very good 4	Good 3	Satisfactory 2	Poor 1
Relevance of contents	✓				
Trainer was knowledgeable and skillful	✓				
Quality of input provided		✓			
Quality of presentations		✓			
Adherence to the time schedule	✓				
Opportunity given to participant to clear doubts	✓				
Identify ways to build on current skills and knowledge		✓			
Overall learning experience		✓			

How has the course enhanced your skills or understanding of this topic?

Very much helpful.

Specify problems faced by you during the course?

No. problems.

Any Other Comments:

No.
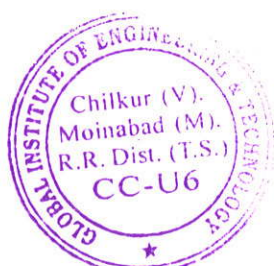
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

BRIDGE COURSE

On

SCRIPTING LANGUAGES

FROM

10-07-2017 TO 15-07-2017

CSE-II

ACADEMIC YEAR-2017-18

A Bridge course on 'Scripting Languages' was organized by the Department of Computer Science and Engineering. A One Week Bridge course was held in the Room No 65 from 10th July -15th July 2017 and its objective was to further enhance and strengthen the technical skills of the students in Computer Science . The course was attended by 17 students (A.Y. 2017-18).

About Bridge Course: The Bridge Course is aimed to act as a buffer for the Students, with an objective to provide adequate time for the transition to hard-core engineering courses. During this interaction of bridge course week with the faculty and their classmates, the students will be equipped with the knowledge and the confidence needed to take on bigger challenges as future engineers of this country.

Objectives:

➤ To provide adequate time for the transition to hard-core engineering courses.

➤ Focus on fostering a strong sense of ethical judgment and moral fortitude.

➤ Applications based self-learning and intermingling of a large cross section of students from vastly varying backgrounds.

➤ The students will be equipped with the knowledge and the confidence needed to take on bigger challenges.

➤ Nurture a deeper understanding of the local and global world and our place in at as concerned citizens of the world.

➤ Interactive and Active Learning by Doing have been weaved into the Bridge Course.

➤ Active learning with the help of other student

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DAY 1

INTRODUCTION TO SCRIPTING LANGUAGES:

A scripting language is a programming language that employs a high-level construct to interpret and execute one command at a time. In general, scripting languages are easier to learn and faster to code in than more structured and compiled languages such as C and C++.

Compiled languages are converted permanently into executable files before they are run. In contrast, scripting languages are typically converted into machine code on the fly during runtime by a program called an interpreter. Although this approach can cause performance problems because the instructions are not handled solely by the processor, it does make it easier for scripts to work with programs written in other languages.

Over time, as just-in-time compilation has improved performance and intepreted programming languages like Perl, Python and Ruby have evolved, the lines have begun to blur about what should, and what should not, be classified as a scripting language. Today, it is generally agreed that the classification should not be determined by the language itself, but rather by how the language is being used.

When a scripting language is used to connect disparate system components, it may also be referred to as a glue language. In addition to being interpreted, such scripting languages are also typeless, allowing a variable to hold any type of data without having to explicitly declare its type. Usually, glue languages also provide native support for specific aggregate data types such as arrays and automate garbage collection to reclaim abandoned storage and prevent memory leaks.

Scripting languages like JavaScript are often used to facilitate enhanced features of websites. These features are processed on the server, but the script on a specific page runs on the user's browser. Many Web sites require that the user's browser be set to run scripts to take advantage of all the features of the site. In some cases, a Web site may be practically useless unless the user's computer is set to run programs locally in a scripting language.

Scripting languages include:

- AppleScript - AppleScript programs (applets) perform like bots: once they are written, they can autonomously process and manage multimedia data, including digital video, text and Web-based material.
- bash - the free version of the Bourne shell distributed with Linux and GNU operating systems.
- Bourne shell - the original UNIX shell. Also known by its program name, sh.
- C shell - invented for programmers who prefer a syntax similar to that of the C programming language.
- JavaScript - script language developed by Netscape. It is somewhat similar in capability to Microsoft's Visual Basic, Sun's Tcl, the UNIX-derived Perl, and IBM's REXX.
- Korn shell - incorporatins all the features of C shell (csh) and Tab C-shell (tcsh) with the script language features similar to that of the Bourne shell
- LotusScript - can be coded within the Lotus Domino Designer development environment.
- Perl - a script programming language that is similar in syntax to the C language; can optionally be compiled just before execution into either C code or cross-platform bytecode.
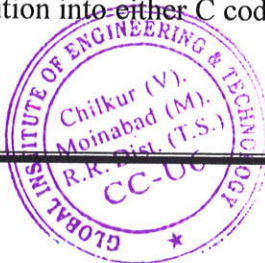
- PHP - a script language and interpreter that is freely available and used primarily on Linux Web servers.
- PowerShell - designed to automate system tasks, such as batch processing, and create systems management tools for commonly implemented processes; includes more than 130 standard command line tools for functions that formerly required users to create scripts in VB, VBScript or C#.
- Python - often used to provide scripting capability to existing applications; is simple enough for user-level scripting with a minimum of training.
- Ruby - according to proponents, Ruby's simple syntax (partially inspired by Ada and Eiffel), makes it readable by anyone who is familiar with any modern programming language.

DAY 2: C SHELL

C shell is the UNIX shell (command execution program, often called a command interpreter) created by Bill Joy at the University of California at Berkeley as an alternative to UNIX's original shell, the Bourne shell . These two UNIX shells, along with the Korn shell , are the three most commonly used shells. The C shell program name is csh , and the shell prompt (the character displayed to indicate readiness for user input) is the % symbol. The C shell was invented for programmers who prefer a syntax similar to that of the C programming language.

The other popular member of the C shell family is called tcsh (for Tab C shell) and is an extended version of C shell. Some of tcsh's added features are: enhanced history substitution (which allows you to reuse commands you have already typed), spelling correction, and word completion (which allows you to type the first couple of letters in a word and hit the tab key to have the program complete it).

Once considered " bug gy", the C shell has had a number of different versions developed to overcome the flaws in the original program. Most often, only experienced users prefer to use the C shell. C is frequently the default shell at universities and research organizations and is the default on many systems, especially those derived from Berkeley UNIX.

DAY 3: JAVASCRIPT

JavaScript is a programming language that started off simply as a mechanism to add logic and interactivity to an otherwise static Netscape browser. In the years since its introduction, it has not only supplanted a variety of other competing languages and technologies to become the standard for browser-based programming, but it has also expanded beyond the client space to become a dominant language on the server side, as well.

What JavaScript can be used for:

The Hyper Text Transport Protocol, or HTTP, was designed to do exactly what the name implies, which is to transport HTML text across a network for viewing. But the problem with HTML is that it is completely static, providing no capabilities to implement logic.
Basic features we currently take for granted, such as input validation, autocorrect, progress bars or causing a graphic to change during a mouse rollover, would all be impossible for a browser to perform without some type of scripting capability.
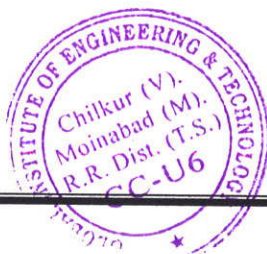
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As a result, when the web first rose to prominence, every vendor in that space provided some mechanism to make HTML web pages more interactive.
Using JavaScript's var keyword to declare variables

Because it is permissible for a variable named greeting that is created as a text string type String to change on the fly to a variable of type integer, JavaScript is known as a weakly typed language. In a strongly typed language like C++ or Java, this type of variable transformation would trigger a compilation error.

DAY 4: PHP (Hypertext Preprocessor)

PHP (Hypertext Preprocessor)
PHP is a script language and interpreter that is freely available and used primarily on Linux Web servers. PHP, originally derived from Personal Home Page Tools, now stands for PHP: Hypertext Preprocessor, which the PHP FAQ describes as a "recursive acronym."

PHP executes on the server, while a comparable alternative, JavaScript, executes on the client. PHP is an alternative to Microsoft's Active Server Page (ASP) technology. As with ASP, the PHP script is embedded within a Web page along with its HTML. Before the page is sent to a user that has requested it, the Web server calls PHP to interpret and perform the operations called for in the PHP script.

An HTML page that includes a PHP script is typically given a file name suffix of ".php" ".php7," or ".phtml". Like ASP, PHP can be thought of as "dynamic HTML pages," since content will vary based on the results of interpreting the script.
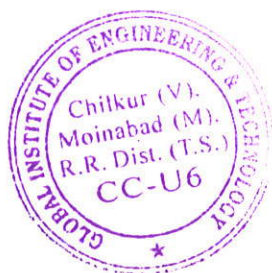
DAY 5:PYTHON

Python is an interpreted, object-oriented programming language similar to PERL, that has gained popularity because of its clear syntax and readability. Python is said to be relatively easy to learn and portable, meaning its statements can be interpreted in a number of operating systems, including UNIX-based systems, Mac OS, MS-DOS, OS/2, and various versions of Microsoft Windows 98.

Python was created by Guido van Rossum, a former resident of the Netherlands, whose favorite comedy group at the time was Monty Python's Flying Circus. The source code is freely available and open for modification and reuse. Python has a significant number of users.

A notable feature of Python is its indenting of source statements to make the code easier to read. Python offers dynamic data type, ready-made class, and interfaces to many system calls and libraries. It can be extended, using the C or C++ language.

Python can be used as the script in Microsoft's Active Server Page (ASP) technology. The scoreboard system for the Melbourne (Australia) Cricket Ground is written in Python. Z Object Publishing Environment, a popular Web application server, is also written in the Python language
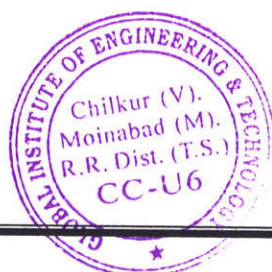
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Global Institute of Engineering & Technology
Chilkur (V).,

DAY 6 : RUBY

Ruby is an open source, interpreted, object-oriented programming language created by Yukihiro Matsumoto, who chose the gemstone's name to suggest "a jewel of a language." Ruby is designed to be simple, complete, extensible, and portable. Developed mostly on Linux, Ruby works across most platforms, such as most UNIX-based platforms, DOS, Windows, Macintosh, BeOS and OS/2, for example. According to proponents, Ruby's simple syntax (partially inspired by Ada and Eiffel), makes it readable by anyone who is familiar with any modern programming language.

Ruby is considered similar to Smalltalk and Perl. The authors of the book Programming Ruby: The Pragmatic Programmer's Guide, David Thomas and Andrew Hunt say that it is fully object-oriented, like Smalltalk, although more conventional to use -- and as convenient as Perl, but fully object-oriented, which leads to better structured and easier-to-maintain programs. To be compliant with the principles of extreme programming(XP), Ruby allows portions of projects to be written in other languages if they are better suited.

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