



R. J. COLLEGE of Arts, Science & Commerce (AUTONOMOUS)

(Hindi Vidya Prachar Samiti's RAMNIRANJAN JHUNJHUNWALA COLLEGE of Arts, Science & Commerce)

Opposite Ghatkopar Railway Station, Ghatkopar (West), Mumbai 400086, Maharashtra, INDIA.

Website: www.rjcollege.edu.in Email: rjcollege@rjcollege.edu.in Tel No: +91 22 25151763 Fax No: +91 22 25150957

College is recognized under Section 2(f) & 12(B) of the UGC Act, 1956

Affiliated to UNIVERSITY OF MUMBAI || NAAC Re-Accredited 'A' Grade (CGPA: 3.50)

02/03/ 2022

NOTICE

Department of Mathematics

The department is organizing a Value-added Course on “**Introduction to LaTeX**” during March 7-12, 2022 from 09.00 am to 11.00 am. The course will be offline. The resource person for the course is **Mr. Parvez Rasul**, Research Scholar, Department of Mathematics, IIT Bombay, Mumbai.

Registration Link: <https://forms.gle/HHmevXNzTfEqWCoj8>

Mary Jany

Head,

Department of Mathematics



[Signature]

PRINCIPAL

RAMNIRANJAN JHUNJHUNWALA COLLEGE
OF ARTS, SCIENCE & COMMERCE (AUTONOMOUS)
Ghatkopar (W), Mumbai-400 086, Maharashtra, INDIA

2019: Star College Status by DBT

2008: Best College by University of Mumbai 2010: IMC RBNQ Award 'Performance Excellence' for the year 2009

2011: 'Best Teacher Award' by Government of Maharashtra 2013: DST-FIST 2014: DBT STAR College

2013 & 2014: 'Jagar Jaanivancha Award' by Govt. of Maharashtra 2016: ISO 14001:2015 2016: ISO 9001:2015 2017: ISO 27001:2013

2018: Autonomous Status by University Grants Commission (No. F. 22-1/2018(AC) - 28.05.2018) & by University of Mumbai (No. Aff./ICD/18-19/440 - 08.06.2018)



R. J. COLLEGE of Arts, Science & Commerce (AUTONOMOUS)

(Hindi Vidya Prachar Samiti's RAMNIRANJAN JHUNJHUNWALA COLLEGE of Arts, Science & Commerce)

Opposite Ghatkopar Railway Station, Ghatkopar (West), Mumbai 400086, Maharashtra, INDIA.

Website: www.rjcollege.edu.in Email: rjcollege@rjcollege.edu.in Tel No: +91 22 25151763 Fax No: +91 22 25150957

College is recognized under Section 2(f) & 12(B) of the UGC Act, 1956

Affiliated to UNIVERSITY OF MUMBAI || NAAC Re-Accredited 'A' Grade (CGPA: 3.50)

Flyer of Value-added Course "Introduction to LaTeX"



Hindi Vidya Prachar Samiti's
Ramniranjan Jhunjunwala College (Autonomous),
Ghatkopar, Mumbai-400 086

Department of Mathematics

Organizes a Value Added Course on
Introduction to LaTeX

By

Mr. Parvez Rasul

(Research Scholar, Department of Mathematics, IIT Bombay)

DATE: March 7 - 12, 2022

TIME : 09:00 AM - 11:00 AM

Registration Link: <https://forms.gle/HHmevXNzTfEqWCoj8>



PRINCIPAL
RAMNIRANJAN JHUNJHUNWALA COLLEGE
OF ARTS, SCIENCE & COMMERCE (AUTONOMOUS)
Ghatkopar (W), Mumbai-400 086, Maharashtra, INDIA

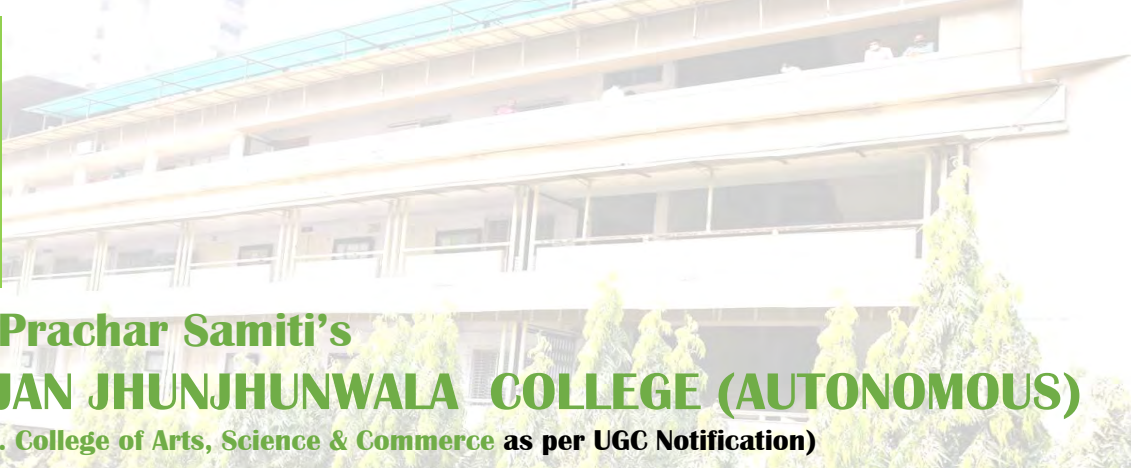
2019: Star College Status by DBT

2008: Best College by University of Mumbai 2010: IMC RBNQ Award 'Performance Excellence' for the year 2009

2011: 'Best Teacher Award' by Government of Maharashtra 2013: DST-FIST 2014: DBT STAR College

2013 & 2014: 'Jagar Jaanivancha Award' by Govt. of Maharashtra 2016: ISO 14001:2015 2016: ISO 9001:2015 2017: ISO 27001:2013

2018: Autonomous Status by University Grants Commission (No. F. 22-1/2018(AC) - 28.05.2018) & by University of Mumbai (No.Aff./ICD/18-19/440 - 08.06.2018)



Hindi Vidya Prachar Samiti's RAMNIRANJAN JHUNJHUNWALA COLLEGE (AUTONOMOUS)

(Also known as R. J. College of Arts, Science & Commerce as per UGC Notification)

Affiliated to UNIVERSITY OF MUMBAI II Recognized by UGC under 2f & 12B
NAAC Accredited 'A GRADE' with CGPA 3.50

Knowledge is all Ambrosia

**CERTIFICATE
COURSE IN**

Introduction
to
LaTeX

A

T



M



C



S

 www.rjcollege.edu.in

 rjcollege@rjcollege.edu.in

 +91 22 25151763

 Opposite Railway Station, Ghatkopar (W),
Mumbai 400 086, Maharashtra, INDIA.

Hindi Vidya Prachar Samiti was incepted on the auspicious day of Shri Krishna Janmashtami, 15th August 1938. A brain child of a visionary Late Shri Nandkishore Singh Jairamji, samiti was established with the objectives of catering to the educational needs of the Hindi speaking community. Ramniranjan Jhunjhunwala College came into existence in 1963, enabling a larger section of the society to take advantage of the facilities provided for higher education.

From 1999-2000 the College has added a number of self-financing courses like B.M.S., B.B.I., B.Sc. in Computer Science, Information Technology, Biotechnology, M.Sc. in Computer Science, Biotechnology and Information Technology as well as add on courses, which further hone the special skills of the students.

The college has been reaccredited with 'A' Grade by NAAC in 2014 with a CGPA 3.50 and received the Best College Award (2007-2008) of the University of Mumbai. The College has been bestowed with IMC "Ramkrishna Bajaj Performance Excellence Trophy", 2010.

The Principal of the college was awarded "Best Teacher" by Government of Maharashtra in 2011.

Government of Maharashtra conferred the college with "JAAGAR JAANIVANCHA" (First in Mumbai Suburban- in 2013 and Second in Mumbai Suburban- in 2014) for safety of girls.

Course Code: **RJMATC03**

Duration: **30** hours

Credits : **02**

At the end of the course participants will be able to

- Create document using LaTeX and organise contents into sections.
- Understand the different types of error messages and various formats of content.
- Learn about the cross referencing and bibliography.
- Create presentations using Beamer.



ABOUT US

**LEARNING
OUTCOME**

Introduction:

This topic introduces the learner to LaTeX, its installation, and different IDEs. The learner creates the first document using LaTeX, and organizes content into sections using article and book class of LaTeX.

Styling Pages

In this topic, the session starts by reviewing different paper sizes, examines packages, formats the page by setting margins, customizing header and footer, changing the page orientation, dividing the document into multiple columns. The topic ends with reading different types of error messages.

Formatting Content

This topic concentrates on formatting text (styles, size, alignment), adding colors to text and entire page, and adding bullets and numbered items. It concludes by explaining the process of writing complex mathematics.

Tables and Images

The topic starts by creating basic tables, adding simple and dashed borders, merging rows and columns, and handling situations where a table exceeds the size of a page. The sessions then continue adding an image and exploring different properties like rotate, scale, etc.

Referencing and Indexing

In this topic, the learner learns to add cross-referencing (refer to sections, table, images), add bibliography (references), and create back index.

Presentation using Beamer

Introduction to creating slides, adding frames, dividing the slide into multiple columns, adding different blocks, etc.



COURSE CONTENT

Continuous Evaluation

ASSESSMENT**MEDIUM OF INSTRUCTION**

English

100 MARKS**PASSING 40****WHO SHOULD DO IT?**

Under-graduate student



R. J. COLLEGE of Arts, Science & Commerce (AUTONOMOUS)

(Hindi Vidya Prachar Samiti's) RAMNIRANJAN JHUNJHUNWALA COLLEGE of Arts, Science & Commerce

Opposite Ghatkopar Railway Station, Ghatkopar (West), Mumbai 400086, Maharashtra, INDIA.

Website: www.rjcollege.edu.in

Email: rjcollege@rjcollege.edu.in

Tel No: +91 22 25151763

Fax No: +91 22 25150957

College is recognized under Section 2(f) & 12(B) of the UGC Act, 1956

Affiliated to UNIVERSITY OF MUMBAI || NAAC Re-Accredited 'A' Grade (CGPA: 3.50)

Capacity development and skills enhancement activity

(Awareness of trends in technology)

REPORT

Name of the Activity :- Value-added course on 'Introduction to LaTeX'

Resource Person:- Mr. Parvez Rasul, Research Scholar, Department of Mathematics, IIT Bombay, Mumbai.

Brief Report :- The Mathematics department had organized a Value-added Course on LaTeX by Mr. Parvez Rasul, who is a research scholar at the department of mathematics, IIT Bombay, Mumbai. LaTeX is a document preparation system. It is very much useful in education and research in mathematics. In the beginning, Mr. Rasul gave an overview of LaTeX and the structure of documents and basic typesetting rules in LaTeX. Later, he discussed how to write mathematical equations and groups of equations, how to draw tables, etc. Finally, he focused on an interesting feature of LaTeX i.e., Beamer. This is useful for preparing a presentation. During this course Assignments were given continuously and a test was conducted and grades were given to participants based on their scores on the test.

Number of beneficiary: - 26 participants.

Date:- 07-12 March 2022 **Time**:- 09:00 am to 11:00 am

Event Platform: - Offline, Computer Lab.

Mary Jary

Head,

Department of Mathematics



Mary Jary

PRINCIPAL
RAMNIRANJAN JHUNJHUNWALA COLLEGE
OF ARTS, SCIENCE & COMMERCE (AUTONOMOUS)
Ghatkopar (W), Mumbai-400086, Maharashtra, INDIA

2019: Star College Status by DBT

2008: Best College by University of Mumbai 2010: IMC RBNQ Award 'Performance Excellence' for the year 2009

2011: 'Best Teacher Award' by Government of Maharashtra 2013: DST-FIST 2014: DBT STAR College

2013 & 2014: 'Jagar Jaanvancha Award' by Govt. of Maharashtra 2016: ISO 14001:2015 2016: ISO 9001:2015 2017: ISO 27001:2013

2018: Autonomous Status by University Grants Commission (No. F. 22-1/2018(AC) - 28.05.2018) & by University of Mumbai (No. Aff./ICD/18-19/440 - 08.06.2018)



R. J. COLLEGE of Arts, Science & Commerce (AUTONOMOUS)

(Hindi Vidya Prachar Samiti's RAMNIRANJAN JHUNJHUNWALA COLLEGE of Arts, Science & Commerce)

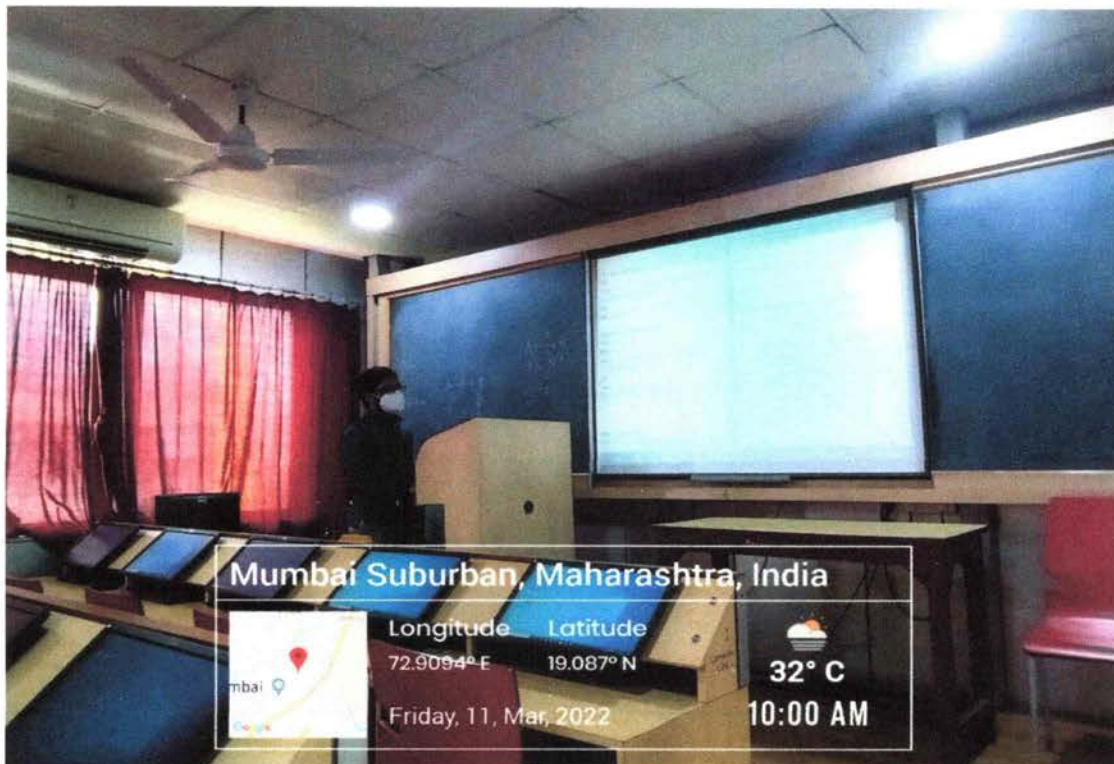
Opposite Ghatkopar Railway Station, Ghatkopar (West), Mumbai 400086, Maharashtra, INDIA.

Website: www.rjcollege.edu.in Email: rjcollege@rjcollege.edu.in Tel No: +91 22 25151763 Fax No: +91 22 25150957

College is recognized under Section 2(f) & 12(B) of the UGC Act, 1956

Affiliated to UNIVERSITY OF MUMBAI || NAAC Re-Accredited 'A' Grade (CGPA: 3.50)

Screenshots of Value-Added Course on 'Introduction to LaTeX'



PRINCIPAL
RAMNIRANJAN JHUNJHUNWALA COLLEGE
OF ARTS, SCIENCE & COMMERCE (AUTONOMOUS)
Ghatkopar (W), Mumbai-400 086, Maharashtra, INDIA

2019: Star College Status by DBT

2008: Best College by University of Mumbai 2010: IMC RBNQ Award 'Performance Excellence' for the year 2009

2011: 'Best Teacher Award' by Government of Maharashtra 2013: DST-FIST 2014: DBT STAR College

2013 & 2014: 'Jagar Jaanivancha Award' by Govt. of Maharashtra 2016: ISO 14001:2015 2016: ISO 9001:2015 2017: ISO 27001:2013

2018: Autonomous Status by University Grants Commission (No. F. 22-1/2018(AC) - 28.05.2018) & by University of Mumbai (No. Aff./ICD/18-19/440 - 08.06.2018)



R. J. COLLEGE of Arts, Science & Commerce (AUTONOMOUS)

(Hindi Vidya Prachar Samiti's) RAMNIRANJAN JHUNJHUNWALA COLLEGE of Arts, Science & Commerce)

Opposite Ghatkopar Railway Station, Ghatkopar (West), Mumbai 400086, Maharashtra, INDIA.

Website: www.rjcollege.edu.in Email: rjcollege@rjcollege.edu.in Tel No: +91 22 25151763 Fax No: +91 22 25150957

College is recognized under Section 2(f) & 12(B) of the UGC Act, 1956

Affiliated to UNIVERSITY OF MUMBAI || NAAC Re-Accredited 'A' Grade (CGPA: 3.50)

List of Participants (VAC- LaTeX)

Sr. No.	Full Name	Class	Roll Number
1	Chaubey Dipti Ashok	TYBSc Mathematics	304
2	Sumit Ashok Chaurasiya	TYBSc Mathematics	306
3	Neelam Kannaujiya	TYBSc Mathematics	312
4	Swati Peddinti Venkatappa	TYBSc Mathematics	316
5	Prajapati Mahendralal Hiralal	TYBSc Mathematics	317
6	Surbhi Suresh Rane	TYBSc Mathematics	320
7	Abhishek Johan Sahani	TYBSc Mathematics	321
8	Siddiqui Mubashera Ansar Ahmed	TYBSc Mathematics	325
9	Singh Deepdarshika Sanjay	TYBSc Mathematics	326
10	Alok Kumar Ashok Upadhyay	TYBSc Mathematics	329
11	Aarti Sohni Yadav	TYBSc Mathematics	330
12	Sivani Sunil Gupta	TYBSc Mathematics	332
13	Ansari Mohd Sufiyan Sanallah	TYBSc Statistics	403
14	Akash Das	TYBSc Statistics	405
15	Dewashya Mahendranath Dubey	TYBSc Statistics	408
16	Harsh Kumar Gupta	TYBSc Statistics	411
17	Pandey Satyam Vinod Saroj	TYBSc Statistics	425
18	Raj Salvi	TYBSc Statistics	427
19	Tripathi Abhinav Kumar Vishnudatt	TYBSc Statistics	442
20	Nikhil Arvindkumar Yadav	TYBSc Statistics	447
21	Sunil Jaiswal	TYBSc Statistics	450
22	Saurabh Singh	TYBSc Statistics	436
23	Sachit Upadhyay	TYBSc Physics	236
24	Rabindra Singh	TYBSc Physics	230
25	Atul Jayswal	TYBSc Mathematics	310
26	Satyam Jaiprakash Mishra	TYBSc Statistics	423

Mary Jassy

Head,

Department of Mathematics



[Signature]

PRINCIPAL
RAMNIRANJAN JHUNJHUNWALA COLLEGE
OF ARTS, SCIENCE & COMMERCE (AUTONOMOUS)
Ghatkopar (W), Mumbai-400086, Maharashtra, INDIA

2019: Star College Status by DBT

2008: Best College by University of Mumbai 2010: IMC RBNQ Award 'Performance Excellence' for the year 2009

2011: 'Best Teacher Award' by Government of Maharashtra 2013: DST-FIST 2014: DBT STAR College

2013 & 2014: 'Jagar Jaanvancha Award' by Govt. of Maharashtra 2016: ISO 14001:2015 2016: ISO 9001:2015 2017: ISO 27001:2013

2018: Autonomous Status by University Grants Commission (No. F. 22-1/2018(AC) - 28.05.2018) & by University of Mumbai (No. Aff./ICD/16-19/440 - 08.06.2018)



R. J. COLLEGE of Arts, Science & Commerce (AUTONOMOUS)

(Hindi Vidya Prachar Samiti's RAMNIRANJAN JHUNJHUNWALA COLLEGE of Arts, Science & Commerce)

Opposite Ghatkopar Railway Station, Ghatkopar (West), Mumbai 400086, Maharashtra, INDIA.

Website: www.rjcollege.edu.in

Email: rjcollege@rjcollege.edu.in

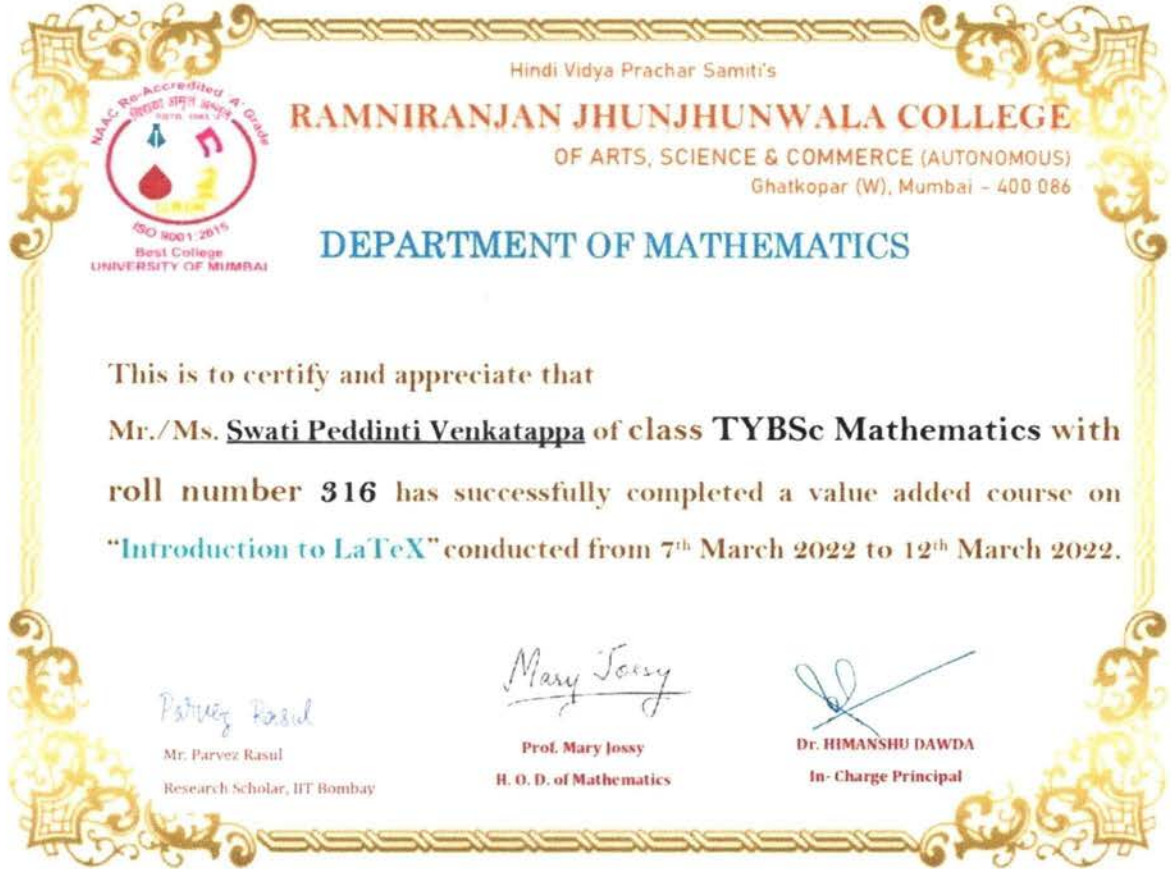
Tel No: +91 22 25151763

Fax No: +91 22 25150957

College is recognized under Section 2(f) & 12(B) of the UGC Act, 1956

Affiliated to UNIVERSITY OF MUMBAI || NAAC Re-Accredited 'A' Grade (CGPA: 3.50)

Certificate of Value-Added Course on 'Introduction to LaTeX'



PRINCIPAL
RAMNIRANJAN JHUNJHUNWALA COLLEGE
OF ARTS, SCIENCE & COMMERCE (AUTONOMOUS)
Ghatkopar (W), Mumbai-400 086, Maharashtra, INDIA

2019: Star College Status by DBT

2008: Best College by University of Mumbai 2010: IMC RBNQ Award 'Performance Excellence' for the year 2009

2011: 'Best Teacher Award' by Government of Maharashtra 2013: DST-FIST 2014: DBT STAR College

2013 & 2014: 'Jagar Jaanivancha Award' by Govt. of Maharashtra 2016: ISO 14001:2015 2016: ISO 9001:2015 2017: ISO 27001:2013

2018: Autonomous Status by University Grants Commission (No. F. 22-1/2018(AC) - 28.05.2018) & by University of Mumbai (No.Aff./ICD/18-19/440 - 08.06.2018)