

VAC013	Excel in Robotics and Technology	35 Hours	Prerequisite	Nil
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#### Course Description

This course is designed to equip students with advanced Excel skills specifically tailored for applications in the fields of robotics and technology. Participants will learn how to harness Excel's capabilities to effectively analyze, manipulate, and present data generated from robotics projects, sensor measurements, experiments, and simulations. The course will also cover automation techniques and integration with other tools commonly used in these industries.

#### Course Objectives

1. Apply advanced Excel functions and formulas to analyze and interpret data in robotics and technology contexts.
2. Visualize data through dynamic charts, graphs, and PivotTables to gain insights and facilitate decision-making.
3. Clean and preprocess data, handling challenges such as missing values, duplicates, and outliers.
4. Utilize statistical techniques to extract meaningful information from robotics-related data.
5. Create and execute Macros using VBA for automating tasks and enhancing efficiency.
6. Integrate Excel with other software/tools used in robotics and technology projects.
7. Address ethical considerations and data security concerns related to data handling and analysis.

#### Course Content

##### Module I: Introduction to Excel for Robotics and Technology

5 hours

- Overview of Excel's capabilities and its relevance in robotics and technology.
- Understanding the importance of data analysis and management in these fields.

##### Module II: Advanced Excel Functions

5 hours

- Using advanced functions such as VLOOKUP, HLOOKUP, INDEX-MATCH, and more for data retrieval.
- Mastering logical functions (IF, AND, OR) for decision-making and data filtering.

##### Module III: Data Visualization Techniques

5 hours

- Creating dynamic charts and graphs to visualize robotic performance metrics, sensor data, etc.

- Using PivotTables for interactive data summarization and analysis.

#### **Module IV: Data Cleaning and Preparation**

- Techniques to clean and preprocess data from sensors, experiments, or simulations.
- Dealing with missing values, duplicates, and outliers.

#### **Module V: Statistical Analysis with Excel**

- Applying statistical functions (AVERAGE, STDEV, etc.) to analyze experimental results.
- Conducting hypothesis testing and regression analysis for robotics-related data.

#### **Module VI: Automating Tasks with Macros and VBA**

- Introduction to Excel Macros and Visual Basic for Applications (VBA) programming.
- Creating custom functions and automating repetitive tasks in robotics projects.

#### **Module VII: Integration with Other Tools**

- Importing and exporting data between Excel and other software/tools used in robotics and technology.
- Collaborative data sharing and integration with cloud platforms.

#### **Module VIII: Project Management and Planning**

- Using Excel for project scheduling, resource allocation, and progress tracking.
- Gantt charts and timeline visualization for robotics project management.

#### **Module IX: Real-world Case Studies**

- Analyzing real-world scenarios and datasets from robotics and technology projects.
- Identifying insights and making data-driven decisions.

#### **Module X: Ethical Considerations and Data Security**

- Addressing ethical concerns related to data handling and analysis in robotics and technology.
- Implementing data security measures while working with sensitive information.

#### **Practicum**

1. Students will work on robotics-related datasets, performing data analysis and creating visualizations to extract insights.
2. Students will develop Macros using VBA to automate repetitive tasks, enhancing productivity.
3. Students will create project management tools using Excel, such as Gantt charts, to plan and track robotics projects.
4. Students will analyze real-world robotics data using statistical functions and techniques.
5. Students will explore the integration with cloud platforms and collaborating on shared Excel workbook.



# Textbooks

Smith, J. A. (2018). *Excel for Robotics and Technology*. TechBooks Inc.

# Reference Books

Siciliano, B., Sciavicco, L., Khaitib, O., & Siciliano, L. (2010). *Springer Handbook of Robotics*. Springer.

Evaluation Component		
1	Assignments/Group Discussions/Debates	20
2	Project	20
3	Attendance	10
4	End Term Examination	50
Weightage (%)		

*[Signature]*

Registrar  
K.R. Mangalam University  
Gurgaon Road Gurgaon (Haryana)



Ref.No.:KRMU/Admin./Notice/2018-19/309(B)

Dated: 3<sup>rd</sup> August, 2018

**NOTICE**

This is to put for information that School of Engineering & Technology is offering Value-Added Course (VAC) for all interested students during ODD Semester as per the following specifications.

Course Code	Course Title	Coordinating Department / School	Duration
VAC003	Computer Graphics - 3D Studio Max	SOET	30 Hrs.
VAC013	Excel in Robotics and Technology	SOET	30 Hrs.

*Maximum 100 seats are available for the course.*

Course Start Date: 03 September 2018

Course End Date: 01 November 2018

All interested students are required to confirm their registration with the Dean-School of Engineering & Technology latest by 23<sup>rd</sup> August, 2018.

Registrar

*[Signature]*

Copy to:

- Vice Chancellor
- Dean (Academics Affairs)
- Controller of Examinations
- All Deans/ School Coordinators
- All Faculty Members/ Mentors
- Notice Board
- Office Copy

For kind information :

*[Signature]*

Registrar  
K.R. Mangalam University  
Sohna Road, Gurugram (Haryana)



ATTENDANCE SHEET  
VAC COURSE FOR ACADEMIC YEAR 2018-19  
COURSE CODE: VAC013  
COURSE TITLE: EXCEL IN ROBOTICS AND TECHNOLOGY

Roll No	NAME	PROGRAM	SEMESTER	3-Sep-18	5-Sep-18	6-Sep-18	7-Sep-18	8-Sep-18	11-Sep-18	13-Sep-18
1801010001	AMIT KUMAR	B.Tech CSE	Semester I	P	P	P	A	P	P	P
1801010003	AMIT KUMAR JANGIR	B.Tech CSE	Semester I	P	P	P	P	P	P	P
1801010005	AYUSH KUMAR	B.Tech CSE	Semester I	P	P	P	P	P	P	P
1801010006	DEEPAK KUMAR	B.Tech CSE	Semester I	P	P	P	P	P	P	P
1801010009	DIVISHA JAIN	B.Tech CSE	Semester I	P	P	P	P	P	P	P
1801010011	HARSHITA SINGH	B.Tech CSE	Semester I	P	P	P	P	P	P	P
1801010013	ISHIKA PASRICHA	B.Tech CSE	Semester I	P	P	P	P	P	P	P
1801010016	KULDEEP KHANDEIWAL	B.Tech CSE	Semester I	P	P	P	P	P	P	P
1801010020	MOHD EZAZUL HAQ	B.Tech CSE	Semester I	P	A	P	P	P	P	P
1801010022	PRADEEP	B.Tech CSE	Semester I	A	P	P	P	P	P	P
1801010030	SAKSHI RAGHAV	B.Tech CSE	Semester I	P	P	P	P	P	P	P
1801010032	SHIVANI	B.Tech CSE	Semester I	P	P	P	P	P	P	P
1801010034	SHREY BHARDWAJ	B.Tech CSE	Semester I	P	P	P	P	P	P	P
1801010035	SHUBHAM JASWAL	B.Tech CSE	Semester I	P	P	P	P	P	P	P
1801010042	PARUL KALRA	B.Tech CSE	Semester I	P	A	P	P	P	P	P
1801010048	MOHIT KUMAR YADAV	B.Tech CSE	Semester I	P	P	P	P	P	P	P
1801010052	SHIVANI SHIKHA	B.Tech CSE	Semester I	P	A	P	P	P	P	P
1801011050	SARVESH TIWARI	B.Tech CSE	Semester I	P	A	A	A	P	P	P
1801020003	LAKSHAY SETHI	B.Tech ME	Semester I	P	P	P	A	P	P	P
1801020006	SAURAV VOHRA	B.Tech ME	Semester I	P	A	A	A	P	P	P
1801020006	SAURAV VOHRA	B.Tech ME	Semester I	P	P	P	P	P	P	P
1801020007	VISHAL KUMAR	B.Tech ME	Semester I	P	P	P	P	P	P	P
1801020009	SAHIL KUMAR	B.Tech ME	Semester I	P	P	P	P	P	P	P
1801020010	TEJASV SINGH	B.Tech ME	Semester I	P	P	A	P	P	P	P
1801021012	KHUSHAL SHARMA	B.Tech ME	Semester I	P	A	P	P	P	P	P
1801030001	ANKIT YADAV	B.Tech EEE	Semester I	P	P	P	P	P	P	P
1801030002	AVIRAL SINGHAL	B.Tech EEE	Semester I	P	A	P	P	P	P	P
1801030004	CHETAN	B.Tech EEE	Semester I	P	P	P	P	P	P	P
1801030005	CHETAN BAKSHI	B.Tech EEE	Semester I	P	P	P	P	P	P	P
1801030006	HARSHIT SHARMA	B.Tech EEE	Semester I	P	P	P	P	P	P	P

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DEAN





ATTENDANCE SHEET  
VAC COURSE FOR ACADEMIC YEAR 2018-19  
COURSE CODE: VAC013  
COURSE TITLE: EXCEL IN ROBOTICS AND TECHNOLOGY

Roll No	NAME	14-Sep-18	18-Sep-18	20-Sep-18	22-Sep-18	24-Sep-18	26-Sep-18	28-Sep-18	1-Oct-18	3-Oct-18	4-Oct-18
1801010001	AMIT KUMAR	P	A	P	A	P	P	P	A	P	P
1801010003	AMIT KUMAR JANGIR	P	P	P	P	P	P	P	P	A	P
1801010005	AYUSH KUMAR	P	P	P	P	P	P	P	P	P	P
1801010006	DEEPAK KUMAR	P	A	P	A	P	P	P	P	A	P
1801010009	DIVISHA JAIN	P	P	P	P	P	P	P	P	P	P
1801010011	HARSHITA SINGH	P	P	A	P	P	P	P	P	P	P
1801010013	ISHIKA PASRICHA	P	P	P	A	P	P	P	P	A	P
1801010016	KULDEEP KHANDELWAL	P	P	P	A	P	P	P	A	P	P
1801010020	MOHD EZAZUL HAQ	P	P	P	P	P	P	P	P	P	P
1801010022	PRADEEP	P	P	P	A	P	P	P	P	P	P
1801010030	SAKSHI RAGHAV	P	P	P	P	P	P	A	P	P	P
1801010032	SHIVANI	P	P	P	P	P	P	P	P	P	A
1801010034	SHREY BHARDWAJ	A	P	P	P	P	P	P	P	P	P
1801010035	SHUBHAM JASWAL	A	P	P	P	P	P	P	P	P	P
1801010042	PARUL KALRA	P	A	P	P	P	A	P	P	P	A
1801010048	MOHIT KUMAR YADAV	P	P	A	P	P	P	P	P	P	P
1801010052	SHIVANI SHIKHA	P	P	P	A	P	P	P	P	P	P
1801011050	SARVESH TIWARI	A	P	P	P	P	P	P	P	P	P
1801020003	LAKSHAY SETHI	A	P	P	P	A	P	P	P	A	P
1801020006	SAURAV VOHRA	P	P	A	P	P	P	P	P	P	P
1801020006	SAURAV VOHRA	P	P	P	P	P	P	A	P	P	A
1801020007	VISHAL KUMAR	P	P	P	P	P	P	P	P	P	P
1801020009	SAHIL KUMAR	A	P	P	P	P	P	P	P	P	P
1801020010	TEJASV SINGH	A	P	P	P	P	P	P	P	P	A
1801021012	KHUSHAL SHARMA	P	A	P	P	P	A	P	P	P	P
1801030001	ANKIT YADAV	P	P	A	P	P	P	P	P	P	P
1801030002	AVIRAL SINGHAL	P	P	P	A	P	P	P	P	P	P
1801030004	CHETAN	P	A	P	A	P	P	P	P	A	P
1801030005	CHETAN BAKSHI	P	P	P	P	P	P	P	P	P	P
1801030006	HARSHIT SHARMA	P	P	A	P	P	P	P	P	P	P

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**VAC COURSE FOR ACADEMIC YEAR 2018-19**  
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**COURSE TITLE: EXCEL IN ROBOTICS AND TECHNOLOGY**

Roll No	NAME	8-Oct-18	9-Oct-18	10-Oct-18	11-Oct-18	13-Oct-18	15-Oct-18	16-Oct-18	17-Oct-18	22-Oct-18	24-Oct-18
1801010001	AMIT KUMAR	A	P	P	A	P	P	A	P	P	P
1801010003	AMIT KUMAR JANGIR	P	P	P	A	P	P	P	A	A	P
1801010005	AYUSH KUMAR	P	P	A	P	P	P	P	A	A	P
1801010006	DEEPAK KUMAR	P	A	P	P	P	A	P	P	P	P
1801010009	DIVISHA JAIN	A	P	P	P	P	P	P	P	P	A
1801010011	HARSHITA SINGH	P	P	P	P	A	P	P	A	P	P
1801010013	ISHIKA PASRICHA	P	P	A	P	P	P	P	P	A	P
1801010016	KULDEEP KHANDELWAL	P	P	P	P	P	P	A	P	A	P
1801010020	MOHD EZAZUL HAQ	P	P	P	P	P	P	P	P	P	A
1801010022	PRADEEP	P	A	P	A	P	P	P	P	A	P
1801010030	SAKSHI RAGHAV	P	P	P	A	P	P	P	P	P	A
1801010032	SHIVANI	P	P	P	P	P	A	P	P	P	P
1801010034	SHREY BHARDWAJ	P	P	P	P	P	P	P	P	P	P
1801010035	SHUBHAM JASWAL	P	P	P	P	P	P	P	P	P	P
1801010042	PARUL KALRA	P	A	P	P	P	P	P	P	P	P
1801010048	MOHIT KUMAR YADAV	P	P	P	A	P	P	P	P	P	P
1801010052	SHIVANI SHIKHA	A	A	P	P	A	P	P	P	P	P
1801011050	SARVESH TIWARI	P	A	P	P	P	P	P	P	P	A
1801020003	LAKSHAY SETHI	P	P	A	P	P	P	P	P	P	P
1801020006	SAURAV VOHRA	P	A	P	P	P	A	P	P	P	A
1801020006	SAURAV VOHRA	P	P	P	P	P	P	P	P	P	A
1801020007	VISHAL KUMAR	P	P	P	P	P	A	P	P	P	P
1801020009	SAHIL KUMAR	P	P	P	P	P	P	P	P	P	P
1801020010	TEJASV SINGH	P	P	P	P	P	P	P	P	P	P
1801021012	KHUSHAL SHARMA	P	A	P	P	P	P	P	P	P	P
1801030001	ANKIT YADAV	P	P	P	A	P	P	P	P	P	P
1801030002	AVIRAL SINGHAL	A	A	P	P	A	P	P	P	P	P
1801030004	CHETAN	P	A	P	P	P	A	P	P	P	P
1801030005	CHETAN BAKSHI	A	P	P	P	P	P	P	P	P	A
1801030006	HARSHIT SHARMA	P	P	P	P	A	P	P	P	P	P

**COURSE INCHARGE**

**Registrar**  
**K.R. Mangalam University**  
 Sohna Road, Gurugram, (Haryana)

**Head of the Department of Robotics & Technology (S017)**  
**K.R. Mangalam University**  
 Sohna Road, Gurugram, (Haryana)





**ATTENDANCE SHEET**  
**VAC COURSE FOR ACADEMIC YEAR 2018-19**  
**COURSE CODE: VAC013**  
**COURSE TITLE: EXCEL IN ROBOTICS AND TECHNOLOGY**

Roll No	NAME	26-Oct-18	29-Oct-18	30-Oct-18	1-Nov-18	Total	Present	Percentage
1801010001	AMIT KUMAR	P	P	P	P	31	24	77.42
1801010003	AMIT KUMAR JANGIR	P	A	P	P	31	26	83.87
1801010005	AYUSH KUMAR	P	A	P	P	31	27	87.10
1801010006	DEEPAK KUMAR	P	A	P	P	31	25	80.65
1801010009	DIVISHA JAIN	P	A	P	P	31	28	90.32
1801010011	HARSHITA SINGH	P	A	P	P	31	27	87.10
1801010013	ISHIKA PASRICHA	P	A	P	P	31	26	83.87
1801010016	KULDEEP KHANDELWAL	P	A	P	P	31	26	83.87
1801010020	MOHD EZAZUL HAQ	P	A	P	P	31	28	90.32
1801010022	PRADEEP	P	P	A	P	31	24	77.42
1801010030	SAKSHI RAGHAV	P	P	P	P	31	27	87.10
1801010032	SHIVANI	P	P	A	P	31	29	93.55
1801010034	SHREY BHARDWAJ	P	P	P	P	31	30	96.77
1801010035	SHUBHAM JASWAL	P	P	P	P	31	28	90.32
1801010042	PARUL KALRA	P	P	A	P	31	26	83.87
1801010048	MOHIT KUMAR YADAV	A	P	P	P	31	28	90.32
1801010052	SHIVANI SHIKHA	P	P	A	P	31	25	80.65
1801011050	SARVESH TIWARI	P	P	P	P	31	24	77.42
1801020003	LAKSHAY SETHI	P	A	P	P	31	23	74.19
1801020006	SAURAV VOHRA	P	P	P	P	31	27	87.10
1801020006	SAURAV VOHRA	P	P	P	P	31	29	93.55
1801020007	VISHAL KUMAR	P	P	A	P	31	30	96.77
1801020009	SAHIL KUMAR	P	P	P	P	31	28	90.32
1801020010	TEJASV SINGH	P	P	P	P	31	26	83.87
1801021012	KHUSHAL SHARMA	P	P	A	P	31	28	90.32
1801030001	ANKIT YADAV	A	P	P	P	31	25	80.65
1801030002	AVIRAL SINGHAL	P	P	A	P	31	25	80.65
1801030004	CHETAN	P	A	P	P	31	25	80.65
1801030005	CHETAN BAKSHI	P	A	P	P	31	28	90.32
1801030006	HARSHIT SHARMA	P	A	P	P	31	27	87.10

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Sonia Road, Gurugram  
 Haryana 1224103

Registrar

K.R. Mangalam University















ATTENDANCE SHEET  
VAC COURSE FOR ACADEMIC YEAR 2018-19  
COURSE CODE: VAC013  
COURSE TITLE: EXCEL IN ROBOTICS AND TECHNOLOGY

1801030007	MANAV CHUGH	P	A	P	P	P	31	27	87.10
1801030008	NIKHIL THAKUR	P	A	P	P	P	31	26	83.87
1801030008	NIKHIL THAKUR	P	A	P	P	P	31	26	83.87
1801030010	MONIKA CHAUDHARY	P	P	P	P	P	31	28	90.32
1801040002	NISHIT AGARWAL	P	P	P	P	P	31	24	77.42
1801050001	KEWAL GUPTA	P	P	P	P	P	31	27	87.10
1801050002	PRASHANT KUMAR	P	A	P	P	P	31	29	93.55
1801050003	SHIVAM SINGH	P	P	P	P	P	31	26	83.87
1801050004	DIGVIJAY JHA	P	P	P	P	P	31	28	90.32
1801050005	RITIK	P	P	P	P	P	31	26	83.87
1801050005	RITIK	P	P	P	P	P	31	28	90.32
1801051007	HARSH AMAN	P	P	P	P	P	31	25	80.65
1801051008	AYAN KHAN	P	P	P	P	P	31	24	77.42
1801060001	AMAN	P	P	P	P	P	31	23	74.19
1801060002	ASHUTOSH MAGO	P	P	P	P	P	31	25	80.65
1801060003	KAHKASHA SIDDIQUI	P	P	P	P	P	31	28	90.32
1801060004	KESHAV	P	P	P	P	P	31	25	80.65
1801060005	PRANAY KUMAR TANDON	P	P	P	P	P	31	25	80.65
1801060006	RITAV TRIPATHI	P	P	P	P	P	31	26	83.87
1801060007	SHAAN MANKASH	P	P	P	P	P	31	28	90.32
1801060008	SONU GUPTA	P	P	P	P	P	31	24	77.42
1801060009	VIKASH CHAUHAN	P	P	P	P	P	31	27	87.10
1801060011	MEGHA GARHKOTI	P	P	P	P	P	31	29	93.55
1801060012	SHUBHLATA	P	P	P	P	P	31	30	96.77
1801540003	VISHAL SOLANKI	P	P	P	P	P	31	27	87.10
1801720003	BADAL	P	P	P	P	P	31	24	77.42
1802070001	AKASHDEEP SINGH	P	P	P	P	P	31	26	83.87
1802070002	AMARJEET	P	P	P	P	P	31	28	90.32
1802070006	ANURAG SINGH	P	P	P	P	P	31	26	83.87
1802070011	DHRUV JAIN	P	P	P	P	P	31	24	77.42

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School of Engineering & Technology (SOET)

K.R. Mangalam University

Sohna Road, Gurugram (Haryana)













**ATTENDANCE SHEET**  
**VAC COURSE FOR ACADEMIC YEAR 2018-19**  
**COURSE CODE: VAC013**  
**COURSE TITLE: EXCEL IN ROBOTICS AND TECHNOLOGY**

1802070012	GAUTAM SINGLA	P	P	P	P	P	31	27	87.10
1802070024	NANCY	P	P	A	P	P	31	29	93.55
1802070026	NEHA AGGARWAL	P	P	P	P	P	31	30	96.77
1802070028	NITESH FOGAT	P	P	P	P	P	31	28	90.32
1802070036	SANDEEP	P	P	A	P	P	31	26	83.87
1802070038	SHAALESH KUMAR GUPTA	A	P	P	P	P	31	28	90.32
1802070039	SHEETAL SINGH	P	P	A	P	P	31	25	80.65
1802080007	AKSHAT JAIN	P	P	P	P	P	31	25	80.65
1802080008	AMAL JOHNSON	P	A	P	P	P	31	24	77.42
1802080011	ANKIT MISHRA	P	P	P	P	P	31	24	77.42
1802080020	CHINKESH DAHIYA	P	P	P	P	P	31	27	87.10
1802080022	FIRDOUSH KHAN	P	P	A	P	P	31	29	93.55
1802080035	MOHIT GOYAL	P	P	P	P	P	31	30	96.77
1802080049	PRIVANSHI GOEL	P	P	P	P	P	31	28	90.32
1802080062	SHUBHAM SHERAWAT	P	P	A	P	P	31	26	83.87
1803100002	AKSHIMA	P	P	A	P	P	31	25	80.65
1803100007	LOKESH	P	A	P	P	P	31	25	80.65
1803600003	MONIKA YADAV	P	A	P	P	P	31	28	90.32
1803680002	MONIKA	P	A	P	P	P	31	27	87.10
1812730001	RUDRAKSH MISHRA	P	A	P	P	P	31	27	87.10
1812730002	SHWETANSH VERMA	P	A	P	P	P	31	24	77.42

*Prof.*

Registrar

K.R. Mangalam University  
 School Road, Gurgaon, (Haryana)

Date

School of Engineering & Technology

K.R. Mangalam University

School Road, Gurgaon

Haryana 122003

COURSE INCHARGE

*Sh. G. N.*

*[Signature]*





**K.R. MANGALAM UNIVERSITY**  
THE COMPLETE WORLD OF EDUCATION

VALUE ADDED COURSE (VAC)

ACADEMIC YEAR 2018-19

COURSE CODE: VAC013

COURSE TITLE: EXCEL IN ROBOTICS AND TECHNOLOGY  
COURSE OFFERED BY: SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)  
LIST OF STUDENTS COMPLETING THE COURSE

S.NO	SESSION	ROLL NO	NAME	PROGRAMME	SEMESTER	COURSE CODE	COURSE TITLE	SCHOOL
1	2018-19	1801010001	AMIT KUMAR	B.Tech CSE	Semester I	VAC013	EXCEL IN ROBOTICS AND TECHNOLOGY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
2	2018-19	1801010003	AMIT KUMAR JANGIR	B.Tech CSE	Semester I	VAC013	EXCEL IN ROBOTICS AND TECHNOLOGY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
3	2018-19	1801010005	AVUSH KUMAR	B.Tech CSE	Semester I	VAC013	EXCEL IN ROBOTICS AND TECHNOLOGY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
4	2018-19	1801010006	DEEPAK KUMAR	B.Tech CSE	Semester I	VAC013	EXCEL IN ROBOTICS AND TECHNOLOGY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
5	2018-19	1801010009	DIVISHA JAIN	B.Tech CSE	Semester I	VAC013	EXCEL IN ROBOTICS AND TECHNOLOGY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
6	2018-19	1801010011	HARSHITA SINGH	B.Tech CSE	Semester I	VAC013	EXCEL IN ROBOTICS AND TECHNOLOGY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
7	2018-19	1801010013	ISHIKA PASRICHA	B.Tech CSE	Semester I	VAC013	EXCEL IN ROBOTICS AND TECHNOLOGY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
8	2018-19	1801010016	KULDEEP KHANDELWAL	B.Tech CSE	Semester I	VAC013	EXCEL IN ROBOTICS AND TECHNOLOGY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
9	2018-19	1801010020	MOHD EZAZUL HAQ	B.Tech CSE	Semester I	VAC013	EXCEL IN ROBOTICS AND TECHNOLOGY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
10	2018-19	1801010022	PRADEEP	B.Tech CSE	Semester I	VAC013	EXCEL IN ROBOTICS AND TECHNOLOGY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
11	2018-19	1801010030	SAKSHI RAGHAV	B.Tech CSE	Semester I	VAC013	EXCEL IN ROBOTICS AND TECHNOLOGY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
12	2018-19	1801010032	SHIVANI	B.Tech CSE	Semester I	VAC013	EXCEL IN ROBOTICS AND TECHNOLOGY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
13	2018-19	1801010034	SHREY BHARDWAJ	B.Tech CSE	Semester I	VAC013	EXCEL IN ROBOTICS AND TECHNOLOGY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
14	2018-19	1801010035	SHUBHAM JASWAL	B.Tech CSE	Semester I	VAC013	EXCEL IN ROBOTICS AND TECHNOLOGY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
15	2018-19	1801010042	PARUL KALRA	B.Tech CSE	Semester I	VAC013	EXCEL IN ROBOTICS AND TECHNOLOGY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
16	2018-19	1801010048	MOHIT KUMAR YADAV	B.Tech CSE	Semester I	VAC013	EXCEL IN ROBOTICS AND TECHNOLOGY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
17	2018-19	1801010052	SHIVANI SHIKHA	B.Tech CSE	Semester I	VAC013	EXCEL IN ROBOTICS AND TECHNOLOGY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
18	2018-19	1801011050	SARVESH TIWARI	B.Tech CSE	Semester I	VAC013	EXCEL IN ROBOTICS AND TECHNOLOGY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
19	2018-19	1801020003	LAKSHAY SETHI	B.Tech ME	Semester I	VAC013	EXCEL IN ROBOTICS AND TECHNOLOGY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
20	2018-19	1801020006	SAURAV VOHRA	B.Tech ME	Semester I	VAC013	EXCEL IN ROBOTICS AND TECHNOLOGY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
21	2018-19	1801020007	VISHAL KUMAR	B.Tech ME	Semester I	VAC013	EXCEL IN ROBOTICS AND TECHNOLOGY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
22	2018-19	1801020009	SAHIL KUMAR	B.Tech ME	Semester I	VAC013	EXCEL IN ROBOTICS AND TECHNOLOGY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
23	2018-19	1801020010	TEJASV SINGH	B.Tech ME	Semester I	VAC013	EXCEL IN ROBOTICS AND TECHNOLOGY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
24	2018-19	1801021012	KHUSHAL SHARMA	B.Tech ME	Semester I	VAC013	EXCEL IN ROBOTICS AND TECHNOLOGY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
25	2018-19	1801030001	ANKIT YADAV	B.Tech EEE	Semester I	VAC013	EXCEL IN ROBOTICS AND TECHNOLOGY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
26	2018-19	1801030002	AVIRAL SINGHAL	B.Tech EEE	Semester I	VAC013	EXCEL IN ROBOTICS AND TECHNOLOGY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
27	2018-19	1801030004	CHETAN	B.Tech EEE	Semester I	VAC013	EXCEL IN ROBOTICS AND TECHNOLOGY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
28	2018-19	1801030005	CHETAN BAKSHI	B.Tech EEE	Semester I	VAC013	EXCEL IN ROBOTICS AND TECHNOLOGY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
29	2018-19	1801030006	HARSHIT SHARMA	B.Tech EEE	Semester I	VAC013	EXCEL IN ROBOTICS AND TECHNOLOGY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
30	2018-19	1801030007	MANAV CHUGH	B.Tech EEE	Semester I	VAC013	EXCEL IN ROBOTICS AND TECHNOLOGY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
31	2018-19	1801030008	NIKHIL THAKUR	B.Tech EEE	Semester I	VAC013	EXCEL IN ROBOTICS AND TECHNOLOGY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
32	2018-19	1801030010	MONIKA CHAUDHARY	B.Tech EEE	Semester I	VAC013	EXCEL IN ROBOTICS AND TECHNOLOGY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
33	2018-19	1801040002	NISHIT AGARWAL	B.Tech ECE	Semester I	VAC013	EXCEL IN ROBOTICS AND TECHNOLOGY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
34	2018-19	1801050001	KEWAL GUPTA	B.Tech Civil	Semester I	VAC013	EXCEL IN ROBOTICS AND TECHNOLOGY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
35	2018-19	1801050002	PRASHANT KUMAR	B.Tech Civil	Semester I	VAC013	EXCEL IN ROBOTICS AND TECHNOLOGY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
36	2018-19	1801050003	SHIVAM SINGH	B.Tech Civil	Semester I	VAC013	EXCEL IN ROBOTICS AND TECHNOLOGY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
37	2018-19	1801050004	DIGVIJAY JHA	B.Tech Civil	Semester I	VAC013	EXCEL IN ROBOTICS AND TECHNOLOGY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
38	2018-19	1801050005	RITIK	B.Tech Civil	Semester I	VAC013	EXCEL IN ROBOTICS AND TECHNOLOGY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
39	2018-19	1801051007	HARSH AMAN	B.Tech Civil	Semester I	VAC013	EXCEL IN ROBOTICS AND TECHNOLOGY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)





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VALUE ADDED COURSE (VAC)

ACADEMIC YEAR 2018-19

COURSE CODE: VAC013

COURSE TITLE: EXCEL IN ROBOTICS AND TECHNOLOGY  
COURSE OFFERED BY: SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)  
LIST OF STUDENTS COMPLETING THE COURSE

S.NO	SESSION	ROLL NO	NAME	PROGRAMME	SEMESTER	COURSE CODE	COURSE TITLE	SCHOOL
40	2018-19	1801051008	AVAN KHAN	B.Tech Civil	Semester I	VAC013	EXCEL IN ROBOTICS AND TECHNOLOGY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
41	2018-19	1801060001	AMAN	BCA	Semester I	VAC013	EXCEL IN ROBOTICS AND TECHNOLOGY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
42	2018-19	1801060002	ASHUTOSH MAGO	BCA	Semester I	VAC013	EXCEL IN ROBOTICS AND TECHNOLOGY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
43	2018-19	1801060003	KAHKASHA SIDDIQUI	BCA	Semester I	VAC013	EXCEL IN ROBOTICS AND TECHNOLOGY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
44	2018-19	1801060004	KESHAV	BCA	Semester I	VAC013	EXCEL IN ROBOTICS AND TECHNOLOGY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
45	2018-19	1801060005	PRANAY KUMAR TANDON	BCA	Semester I	VAC013	EXCEL IN ROBOTICS AND TECHNOLOGY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
46	2018-19	1801060006	RITAV TRIPATHI	BCA	Semester I	VAC013	EXCEL IN ROBOTICS AND TECHNOLOGY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
47	2018-19	1801060007	SHAN MANKASH	BCA	Semester I	VAC013	EXCEL IN ROBOTICS AND TECHNOLOGY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
48	2018-19	1801060008	SONU GUPTA	BCA	Semester I	VAC013	EXCEL IN ROBOTICS AND TECHNOLOGY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
49	2018-19	1801060009	VIKASH CHAUHAN	BCA	Semester I	VAC013	EXCEL IN ROBOTICS AND TECHNOLOGY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
50	2018-19	1801060011	MEGHA GARHKOTI	BCA	Semester I	VAC013	EXCEL IN ROBOTICS AND TECHNOLOGY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
51	2018-19	1801060012	SHUBHLATA	BCA	Semester I	VAC013	EXCEL IN ROBOTICS AND TECHNOLOGY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
52	2018-19	1801540003	VISHAL SOLANKI	M.Tech Auto En	Semester I	VAC013	EXCEL IN ROBOTICS AND TECHNOLOGY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
53	2018-19	1801720003	BADAL	B.Sc. (H) CS	Semester I	VAC013	EXCEL IN ROBOTICS AND TECHNOLOGY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
54	2018-19	1802070001	AKASHDEEP SINGH	B.Com (H)	Semester I	VAC013	EXCEL IN ROBOTICS AND TECHNOLOGY	SCHOOL OF MANAGEMENT AND COMMERCE (SOMC)
55	2018-19	1802070002	AMARJEET	B.Com (H)	Semester I	VAC013	EXCEL IN ROBOTICS AND TECHNOLOGY	SCHOOL OF MANAGEMENT AND COMMERCE (SOMC)
56	2018-19	1802070006	ANURAG SINGH	B.Com (H)	Semester I	VAC013	EXCEL IN ROBOTICS AND TECHNOLOGY	SCHOOL OF MANAGEMENT AND COMMERCE (SOMC)
57	2018-19	1802070011	DHRUV JAIN	B.Com (H)	Semester I	VAC013	EXCEL IN ROBOTICS AND TECHNOLOGY	SCHOOL OF MANAGEMENT AND COMMERCE (SOMC)
58	2018-19	1802070012	GAUTAM SINGLA	B.Com (H)	Semester I	VAC013	EXCEL IN ROBOTICS AND TECHNOLOGY	SCHOOL OF MANAGEMENT AND COMMERCE (SOMC)
59	2018-19	1802070024	NANCY	B.Com (H)	Semester I	VAC013	EXCEL IN ROBOTICS AND TECHNOLOGY	SCHOOL OF MANAGEMENT AND COMMERCE (SOMC)
60	2018-19	1802070026	NEHA AGGARWAL	B.Com (H)	Semester I	VAC013	EXCEL IN ROBOTICS AND TECHNOLOGY	SCHOOL OF MANAGEMENT AND COMMERCE (SOMC)
61	2018-19	1802070028	NITESH FOGAT	B.Com (H)	Semester I	VAC013	EXCEL IN ROBOTICS AND TECHNOLOGY	SCHOOL OF MANAGEMENT AND COMMERCE (SOMC)
62	2018-19	1802070036	SANDEEP	B.Com (H)	Semester I	VAC013	EXCEL IN ROBOTICS AND TECHNOLOGY	SCHOOL OF MANAGEMENT AND COMMERCE (SOMC)
63	2018-19	1802070038	SHALESH KUMAR GUPTA	B.Com (H)	Semester I	VAC013	EXCEL IN ROBOTICS AND TECHNOLOGY	SCHOOL OF MANAGEMENT AND COMMERCE (SOMC)
64	2018-19	1802070039	SHEETAL SINGH	B.Com (H)	Semester I	VAC013	EXCEL IN ROBOTICS AND TECHNOLOGY	SCHOOL OF MANAGEMENT AND COMMERCE (SOMC)
65	2018-19	1802080007	AKSHAT JAIN	BBA	Semester I	VAC013	EXCEL IN ROBOTICS AND TECHNOLOGY	SCHOOL OF MANAGEMENT AND COMMERCE (SOMC)
66	2018-19	1802080008	AMAL JOHNSON	BBA	Semester I	VAC013	EXCEL IN ROBOTICS AND TECHNOLOGY	SCHOOL OF MANAGEMENT AND COMMERCE (SOMC)
67	2018-19	1802080011	ANKIT MISHRA	BBA	Semester I	VAC013	EXCEL IN ROBOTICS AND TECHNOLOGY	SCHOOL OF MANAGEMENT AND COMMERCE (SOMC)
68	2018-19	1802080020	CHINKESH DAHIVA	BBA	Semester I	VAC013	EXCEL IN ROBOTICS AND TECHNOLOGY	SCHOOL OF MANAGEMENT AND COMMERCE (SOMC)
69	2018-19	1802080022	FIRDOSH KHAN	BBA	Semester I	VAC013	EXCEL IN ROBOTICS AND TECHNOLOGY	SCHOOL OF MANAGEMENT AND COMMERCE (SOMC)
70	2018-19	1802080035	MOHIT GOYAL	BBA	Semester I	VAC013	EXCEL IN ROBOTICS AND TECHNOLOGY	SCHOOL OF MANAGEMENT AND COMMERCE (SOMC)
71	2018-19	1802080049	PRIVANSHI GOEL	BBA	Semester I	VAC013	EXCEL IN ROBOTICS AND TECHNOLOGY	SCHOOL OF MANAGEMENT AND COMMERCE (SOMC)
72	2018-19	1802080062	SHUBHAM SHERAWAT	BBA	Semester I	VAC013	EXCEL IN ROBOTICS AND TECHNOLOGY	SCHOOL OF MANAGEMENT AND COMMERCE (SOMC)
73	2018-19	1803100002	AKSHIMA	B.Sc (H) Chem	Semester I	VAC013	EXCEL IN ROBOTICS AND TECHNOLOGY	SCHOOL OF BASIC AND APPLIED SCIENCES (SBAS)
74	2018-19	1803100007	LOKESH	B.Sc (H) Chem	Semester I	VAC013	EXCEL IN ROBOTICS AND TECHNOLOGY	SCHOOL OF BASIC AND APPLIED SCIENCES (SBAS)
75	2018-19	1803600003	MONIKA YADAV	M.Sc (H) Maths	Semester I	VAC013	EXCEL IN ROBOTICS AND TECHNOLOGY	SCHOOL OF BASIC AND APPLIED SCIENCES (SBAS)
76	2018-19	1803680002	MONIKA	M.Sc Chem	Semester I	VAC013	EXCEL IN ROBOTICS AND TECHNOLOGY	SCHOOL OF BASIC AND APPLIED SCIENCES (SBAS)
77	2018-19	1812730001	RUDRAKSH MISHRA	B.Tech CSE	Semester I	VAC013	EXCEL IN ROBOTICS AND TECHNOLOGY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
78	2018-19	1812730002	SHWETANSH VERMA	B.Tech CSE	Semester I	VAC013	EXCEL IN ROBOTICS AND TECHNOLOGY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)





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This is to certify that **DIVISHA JAIN**, University Enrolment No **1801010009** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC013 (Excel in Robotics and Technology)** during Academic Session **2018-19 (Odd Semester)**.

Date: 20.01.2019

Controller of Examination

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K.R. Mangalam University  
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This is to certify that **DEEPAK KUMAR**, University Enrolment No **1801010006** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC013 (Excel in Robotics and Technology)** during Academic Session 2018-19(Odd Semester).

Date: 20.01.2019

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This is to certify that **AYUSH KUMAR**, University Enrolment No **1801010005** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC013 (Excel in Robotics and Technology)** during Academic Session **2018-19 (Odd Semester)**.

Date: 20.01.2019

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This is to certify that **AMIT KUMAR JANGIR**, University Enrolment No **1801010003** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC013** (**Excel in Robotics and Technology**) during Academic Session **2018-19**(Odd Semester).

Date: 20.01.2019

*Mr. Rajan*

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This is to certify that **AMIT KUMAR**, University Enrolment No **1801010001** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC013 (Excel in Robotics and Technology)** during Academic Session **2018-19 (Odd Semester)**.

Date: 20.01.2019

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*Mr. Rajan*

*[Signature]*

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This is to certify that **HARSHITA SINGH**, University Enrolment No 1801010011 of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC013 (Excel in Robotics and Technology)** during Academic Session 2018-19(Odd Semester).

Date:20.01.2019

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*hradajan*

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This is to certify that **ISHIKA PASRICHA**, University Enrolment No **1801010013** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC013** (**Excel in Robotics and Technology**) during Academic Session **2018-19**(Odd Semester).

Date:20.01.2019

*brabajan*

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This is to certify that **KULDEEP KHANDELWAL**, University Enrolment No **1801010016** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC013 (Excel in Robotics and Technology)** during Academic Session **2018-19(Odd Semester)**.

Prabakaran

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This is to certify that **MOHD EZAZUL HAQ**, University Enrolment No **1801010020** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC013** (**Excel in Robotics and Technology**) during Academic Session **2018-19**(Odd Semester).

Date: 20.01.2019

*h. rahman*

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This is to certify that **PRADEEP**, University Enrolment No **1801010022** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC013 (Excel in Robotics and Technology)** during Academic Session **2018-19 (Odd Semester)**.

Date: 20.01.2019

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This is to certify that **SAKSHI RAGHAV**, University Enrolment No **1801010030** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC013 (Excel in Robotics and Technology)** during Academic Session **2018-19 (Odd Semester)**.

Date: 20.01.2019

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This is to certify that **SHIVANI**, University Enrolment No **1801010032** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC013 (Excel in Robotics and Technology)** during Academic Session **2018-19 (Odd Semester)**.

Date: 20.01.2019

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This is to certify that **SHREY BHARDWAJ**, University Enrolment No 1801010034 of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC013** (**Excel in Robotics and Technology**) during Academic Session 2018-19(Odd Semester).

Date:20.01.2019

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This is to certify that **SHUBHAM JASWAL**, University Enrolment No **1801010035** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC013** (**Excel in Robotics and Technology**) during Academic Session **2018-19**(Odd Semester).

Date: 20.01.2019

*h. rajan*

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This is to certify that **PARUL KALRA**, University Enrolment No **1801010042** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC013 (Excel in Robotics and Technology)** during Academic Session **2018-19 (Odd Semester)**.

Date: 20.01.2019

*h. rajan*

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This is to certify that **MOHIT KUMAR YADAV**, University Enrolment No **1801010048** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC013** (**Excel in Robotics and Technology**) during Academic Session **2018-19**(Odd Semester).

Date: 20.01.2019

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This is to certify that **SHIVANI SHIKHA**, University Enrolment No **1801010052** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC013 (Excel in Robotics and Technology)** during Academic Session **2018-19 (Odd Semester)**.

Date: 20.01.2019

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This is to certify that **LAKSHAY SETHI**, University Enrolment No **1801020003** of **B.Tech ME** programme has successfully qualified **VALUE ADDED COURSE VAC013 (Excel in Robotics and Technology)** during Academic Session **2018-19 (Odd Semester)**.

Date: 20.01.2019

*h. rajan*

Controller of Examination

*[Signature]*

Registrar

K.R. Mangalam University  
Sohna Road, Gurugram, (Haryana)



**K. R. MANGALAM UNIVERSITY**

THE COMPLETE WORLD OF EDUCATION

# CERTIFICATE OF COMPLETION

This is to certify that **SAURAV VOHRA**, University Enrolment No **1801020006** of **B.Tech ME** programme has successfully qualified **VALUE ADDED COURSE VAC013** (Excel in **Robotics and Technology**) during Academic Session **2018-19**(Odd Semester).

Date: 20.01.2019

## Controller of Examination

Prabakaran

*Prof*

**Registrar**  
K.R. Mangalam University  
Sohna Road, Gurugram, (Haryana)





**K. R. MANGALAM UNIVERSITY**  
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**CERTIFICATE OF COMPLETION**

This is to certify that **VISHAL KUMAR**, University Enrolment No **1801020007** of **B.Tech ME** programme has successfully qualified **VALUE ADDED COURSE VAC013 (Excel in Robotics and Technology)** during Academic Session **2018-19 (Odd Semester)**.

Date: 20.01.2019

*h. rajan*

Controller of Examination

*[Signature]*

Registrar  
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Sohna Road, Gurugram, (Haryana)



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**CERTIFICATE OF COMPLETION**

This is to certify that **SAHIL KUMAR**, University Enrolment No **1801020009** of **B.Tech ME** programme has successfully qualified **VALUE ADDED COURSE VAC013 (Excel in Robotics and Technology)** during Academic Session **2018-19 (Odd Semester)**.

Date: 20.01.2019

*h. rajan*

Controller of Examination

*[Signature]*

Registrar

K.R. Mangalam University  
Sohna Road, Gurgaon, (Haryana)





# CERTIFICATE OF COMPLETION

Date: 20.01.2019

## Controller of Examination

Prabjan

**Registrar**  
**K.R. Mangalam University**  
**Sohna Road, Gurugram, (Haryana)**



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**CERTIFICATE OF COMPLETION**

This is to certify that KHUSHAL SHARMA, University Enrolment No 1801021012 of B.Tech ME programme has successfully qualified VALUE ADDED COURSE VAC013 (Excel in Robotics and Technology) during Academic Session 2018-19(Odd Semester).

Date:20.01.2019

Controller of Examination

*Khushal*

Registrar

K.R. Mangalam University  
Sohna Road, Gurugram, (Haryana)





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**CERTIFICATE OF COMPLETION**

This is to certify that **ANKIT YADAV**, University Enrolment No **1801030001** of **B.Tech EEE** programme has successfully qualified **VALUE ADDED COURSE VAC013 (Excel in Robotics and Technology)** during Academic Session **2018-19 (Odd Semester)**.

Date: 20.01.2019

*bradajan*

Controller of Examination

*[Signature]*

Registrar

K.R. Mangalam University  
Sohna Road, Gurugram, (Haryana)



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**CERTIFICATE OF COMPLETION**

This is to certify that **AVIRAL SINGHAL**, University Enrolment No 1801030002 of  
**B.Tech EEE** programme has successfully qualified **VALUE ADDED COURSE VAC013**  
**(Excel in Robotics and Technology)** during Academic Session 2018-19(Odd Semester).

Date:20.01.2019

*h*  
Controller of Examination

*Prof*  
Registrar

K.R. Mangalam University  
Sohna Road, Gurugram, (Haryana)





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**CERTIFICATE OF COMPLETION**

This is to certify that **CHETAN**, University Enrolment No **1801030004** of **B.Tech EEE** programme has successfully qualified **VALUE ADDED COURSE VAC013** (Excel in **Robotics and Technology**) during Academic Session **2018-19**(Odd Semester).

Date: 20.01.2019

*h. rajan*

Controller of Examination

*[Signature]*

Registrar  
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Sohna Road, Gurugram, (Haryana)



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**CERTIFICATE OF COMPLETION**

This is to certify that **CHETAN BAKSHI**, University Enrolment No **1801030005** of **B.Tech FEE** programme has successfully qualified **VALUE ADDED COURSE VAC013 (Excel in Robotics and Technology)** during Academic Session **2018-19 (Odd Semester)**.

*hrajana*

Date: 20.01.2019

Controller of Examination

*[Signature]*

Registrar

K.R. Mangalam University  
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**K. R. MANGALAM UNIVERSITY**

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**CERTIFICATE OF COMPLETION**

This is to certify that **HARSHIT SHARMA**, University Enrolment No **1801030006** of **B.Tech EEE** programme has successfully qualified **VALUE ADDED COURSE VAC013** (**Excel in Robotics and Technology**) during Academic Session 2018-19(Odd Semester).

Date:20.01.2019

Controller of Examination

*harshita*

*[Signature]*

Registrar

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Sohna Road, Gurugram, (Haryana)



**K.R. MANGALAM UNIVERSITY**  
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**CERTIFICATE OF COMPLETION**

This is to certify that **MANAV CHUGH**, University Enrolment No **1801030007** of **B.Tech EEE** programme has successfully qualified **VALUE ADDED COURSE VAC013 (Excel in Robotics and Technology)** during Academic Session **2018-19 (Odd Semester)**.

Date: 20.01.2019

*Pradeepan*

Controller of Examination

*Pradeep*

Registrar  
K.R. Mangalam University  
Sohna Road, Gurugram, (Haryana)





**K.R. MANGALAM UNIVERSITY**

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**CERTIFICATE OF COMPLETION**

This is to certify that **NIKHIL THAKUR**, University Enrolment No **1801030008** of **B.Tech EEE** programme has successfully qualified **VALUE ADDED COURSE VAC013 (Excel in Robotics and Technology)** during Academic Session **2018-19 (Odd Semester)**.

*hrajima*

Date: 20.01.2019

Controller of Examination

*[Signature]*

Registrar

K.R. Mangalam University  
Sohna Road, Gurugram, (Haryana)



**K. R. MANGALAM UNIVERSITY**  
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**CERTIFICATE OF COMPLETION**

This is to certify that **MONIKA CHAUDHARY**, University Enrolment No 1801030010 of **B.Tech EEE** programme has successfully qualified **VALUE ADDED COURSE VAC013 (Excel in Robotics and Technology)** during Academic Session 2018-19 (Odd Semester).

Date: 20.01.2019

Controller of Examination

*Madhavi*

*[Signature]*

Registrar  
K.R. Mangalam University  
Sohna Road, Gurugram, (Haryana)





**K. R. MANGALAM UNIVERSITY**

THE COMPLETE WORLD OF EDUCATION

**CERTIFICATE OF COMPLETION**

This is to certify that **NISHIT AGARWAL**, University Enrolment No **1801040002** of **B.Tech ECE** programme has successfully qualified **VALUE ADDED COURSE VAC013** (**Excel in Robotics and Technology**) during Academic Session 2018-19(Odd Semester).

Date:20.01.2019

Controller of Examination

*Madhavan*

*[Signature]*  
Registrar

K.R. Mangalam University  
Sohna Road, Gurugram, (Haryana)



**K. R. MANGALAM UNIVERSITY**  
THE COMPLETE WORLD OF EDUCATION

**CERTIFICATE OF COMPLETION**

This is to certify that **KEWAL GUPTA**, University Enrolment No **1801050001** of **B.Tech Civil** programme has successfully qualified **VALUE ADDED COURSE VAC013 (Excel in Robotics and Technology)** during Academic Session **2018-19 (Odd Semester)**.

Date: 20.01.2019

Controller of Examination

*h. rajan*

*[Signature]*  
Registrar

K.R. Mangalam University  
Sohna Road, Gurugram, (Haryana)





**K.R. MANGALAM UNIVERSITY**

THE COMPLETE WORLD OF EDUCATION

**CERTIFICATE OF COMPLETION**

This is to certify that **PRASHANT KUMAR**, University Enrolment No 1801050002 of  
**B.Tech Civil** programme has successfully qualified **VALUE ADDED COURSE VAC013**  
**(Excel in Robotics and Technology)** during Academic Session 2018-19(Odd Semester).

Date:20.01.2019

Controller of Examination

*Prashant*

Registrar

K.R. Mangalam University  
Sohna Road, Gurugram, (Haryana)



**K. R. MANGALAM UNIVERSITY**

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**CERTIFICATE OF COMPLETION**

This is to certify that **SHIVAM SINGH**, University Enrolment No **1801050003** of **B.Tech Civil** programme has successfully qualified **VALUE ADDED COURSE VAC013 (Excel in Robotics and Technology)** during Academic Session **2018-19 (Odd Semester)**.

Date: 20.01.2019

Controller of Examination

*Madhavan*

Registrar

K.R. Mangalam University

Sohna Road, Gurugram, (Haryana)





**K. R. MANGALAM UNIVERSITY**

THE COMPLETE WORLD OF EDUCATION

**CERTIFICATE OF COMPLETION**

This is to certify that **DIGVIJAY JHA**, University Enrolment No **1801050004** of **B.Tech Civil** programme has successfully qualified **VALUE ADDED COURSE VAC013 (Excel in Robotics and Technology)** during Academic Session 2018-19(Odd Semester).

Date:20.01.2019

Controller of Examination

*Pradeepan*

Registrar

K.R. Mangalam University  
Sohna Road, Gurugram, Haryana



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**CERTIFICATE OF COMPLETION**

This is to certify that **RITIK**, University Enrolment No **1801050005** of **B.Tech Civil** Programme has successfully qualified **VALUE ADDED COURSE VAC013 (Excel in Robotics and Technology)** during Academic Session **2018-19 (Odd Semester)**.

Date: 20.01.2019

Controller of Examination

*bradajan*

*[Signature]*  
Registrar

K. R. Mangalam University  
Sohna Road, Gurugram, (Haryana)





**K. R. MANGALAM UNIVERSITY**

THE COMPLETE WORLD OF EDUCATION

**CERTIFICATE OF COMPLETION**

This is to certify that **HARSH AMAN**, University Enrolment No 1801051007 of B.Tech Civil programme has successfully qualified **VALUE ADDED COURSE VAC013 (Excel in Robotics and Technology)** during Academic Session 2018-19(Odd Semester).

Date:20.01.2019

Controller of Examination

*harsan*

Registrar  
K.R. Mangalam University  
(Har yana)  
Sohna Road, Gurugram,



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THE COMPLETE WORLD OF EDUCATION

**CERTIFICATE OF COMPLETION**

This is to certify that **AYAN KHAN**, University Enrolment No **1801051008** of **B.Tech Civil** programme has successfully qualified **VALUE ADDED COURSE VAC013 (Excel in Robotics and Technology)** during Academic Session **2018-19 (Odd Semester)**.

Date: 20.01.2019

Controller of Examination

*h. mahajan*

Registrar

K.R. Mangalam University  
Sohna Road, Gurugram, (Haryana)





**K.R. MANGALAM UNIVERSITY**

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**CERTIFICATE OF COMPLETION**

This is to certify that AMAN, University Enrolment No 1801060001 of BCA programme has successfully qualified VALUE ADDED COURSE VAC013 (Excel in Robotics and Technology) during Academic Session 2018-19(Odd Semester).

Date:20.01.2019

Controller of Examination

*Madhavan*

*[Signature]*  
Registrar  
K.R. Mangalam University  
Sohna Road, Gurugram, (Haryana)



**K. R. MANGALAM UNIVERSITY**

THE COMPLETE WORLD OF EDUCATION

**CERTIFICATE OF COMPLETION**

This is to certify that **ASHUTOSH MAGO**, University Enrolment No **1801060002** of **BCA** programme has successfully qualified **VALUE ADDED COURSE VAC013 (Excel in Robotics and Technology)** during Academic Session **2018-19 (Odd Semester)**.

Date: 20.01.2019

Controller of Examination

*Madhavan*

Registrar

K.R. Mangalam University  
Sohna Road, Gurugram, (Haryana)





**K.R. MANGALAM UNIVERSITY**

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**CERTIFICATE OF COMPLETION**

This is to certify that **KAHKASHA SIDDIQUI**, University Enrolment No **1801060003** of **BCA** programme has successfully qualified **VALUE ADDED COURSE VAC013 (Excel in Robotics and Technology)** during Academic Session **2018-19 (Odd Semester)**.

Date: 20.01.2019

Controller of Examination

*Madhavan*

*[Signature]*

Registrar

K.R. Mangalam University  
Sohna Road, Gurugram, (Haryana)



**K. R. MANGALAM UNIVERSITY**  
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## CERTIFICATE OF COMPLETION

This is to certify that **KESHAV**, University Enrolment No **1801060004** of **BCA** programme has successfully qualified **VALUE ADDED COURSE VAC013** (Excel in Robotics and Technology) during Academic Session **2018-19**(Odd Semester).

Date: 20.01.2019

*bradajan*  
Controller of Examination

*[Signature]*  
Registrar

K.R. Mangalam University  
Sohna Road, Gurugram, (Haryana)





**K. R. MANGALAM UNIVERSITY**  
THE COMPLETE WORLD OF EDUCATION

**CERTIFICATE OF COMPLETION**

This is to certify that **PRANAY KUMAR TANDON**, University Enrolment No **1801060005** of **BCA** programme has successfully qualified **VALUE ADDED COURSE VAC013 (Excel in Robotics and Technology)** during Academic Session 2018-19(Odd Semester).

Date: 20.01.2019

Controller of Examination

*Pradeep*

Registrar  
K.R. Mangalam University  
(Haryana)  
Sohna Road, Gurgaon



**K. R. MANGALAM UNIVERSITY**

THE COMPLETE WORLD OF EDUCATION

**CERTIFICATE OF COMPLETION**

This is to certify that **RITAV TRIPATHI**, University Enrolment No **1801060006** of **BCA** programme has successfully qualified **VALUE ADDED COURSE VAC013 (Excel in Robotics and Technology)** during Academic Session **2018-19 (Odd Semester)**.

Date: 20.01.2019

Controller of Examination

*Pradeepan*

*[Signature]*

Registrar

K. R. Mangalam University  
Sohna Road, Gurugram, (Haryana)





**K. R. MANGALAM UNIVERSITY**

THE COMPLETE WORLD OF EDUCATION

**CERTIFICATE OF COMPLETION**

This is to certify that **SHAAN MANKASH**, University Enrolment No **1801060007** of **BCA** programme has successfully qualified **VALUE ADDED COURSE VAC013** (Excel in **Robotics and Technology**) during Academic Session 2018-19 (Odd Semester).

Date: 20.01.2019

Controller of Examination

*hmadajan*

*THP*  
Registrar

K.R. Mangalam University  
Sohna Road, Gurugram, (Haryana)



**K. R. MANGALAM UNIVERSITY**

**THE COMPLETE WORLD OF EDUCATION**

**CERTIFICATE OF COMPLETION**

This is to certify that **SONU GUPTA**, University Enrolment No **1801060008** of **BCA** programme has successfully qualified **VALUE ADDED COURSE VAC013** (Excel in **Robotics and Technology**) during Academic Session **2018-19**(Odd Semester).

Date:20.01.2019

Controller of Examination

*bradajan*

*Inf*

Registrar  
K.R. Mangalam University  
Sohna Road, Gurgaon, (Haryana)





**K. R. MANGALAM UNIVERSITY**  
THE COMPLETE WORLD OF EDUCATION

**CERTIFICATE OF COMPLETION**

This is to certify that **VIKASH CHAUHAN**, University Enrolment No **1801060009** of **BCA** programme has successfully qualified **VALUE ADDED COURSE VAC013** (Excel in **Robotics and Technology**) during Academic Session **2018-19**(Odd Semester).

*bradjan*

Date:20.01.2019

Controller of Examination

*[Signature]*

Registrar  
K.R. Mangalam University  
Sohna Road, Gurgaon, (Haryana)



**K. R. MANGALAM UNIVERSITY**  
THE COMPLETE WORLD OF EDUCATION

**CERTIFICATE OF COMPLETION**

This is to certify that **MEGHA GARHKOTI**, University Enrolment No **1801060011** of **BCA** programme has successfully qualified **VALUE ADDED COURSE VAC013 (Excel in Robotics and Technology)** during Academic Session **2018-19 (Odd Semester)**.

Date: 20.01.2019

*hrajim*

Controller of Examination

*[Signature]*

Registrar  
K.R. Mangalam University  
Sohna Road, Gurugram, (Haryana)





**K. R. MANGALAM UNIVERSITY**  
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This is to certify that **SHUBHLATA**, University Enrolment No **1801060012** of **BCA** programme has successfully qualified **VALUE ADDED COURSE VAC013** (Excel in **Robotics and Technology**) during Academic Session **2018-19**(Odd Semester).

Date: 20.01.2019

*bradjan*  
Controller of Examination

*Inf*  
Registrar

K.R. Mangalam University  
Sohna Road, Gurugram, (Haryana)



**K. R. MANGALAM UNIVERSITY**

THE COMPLETE WORLD OF EDUCATION

**CERTIFICATE OF COMPLETION**

This is to certify that **VISHAL SOLANKI**, University Enrolment No **1801540003** of **M.Tech Auto Eng** programme has successfully qualified **VALUE ADDED COURSE VAC013 (Excel in Robotics and Technology)** during Academic Session **2018-19**(Odd Semester).

Date:20.01.2019

Controller of Examination

*bradajan*

*Shruti*

Registrar  
K.R. Mangalam University  
Sohna Road, Gurgaon, (Haryana)





**K. R. MANGALAM UNIVERSITY**

THE COMPLETE WORLD OF EDUCATION

**CERTIFICATE OF COMPLETION**

This is to certify that **BADAL**, University Enrolment No 1801720003 of B.Sc. (H) CS programme has successfully qualified **VALUE ADDED COURSE VAC013 (Excel in Robotics and Technology)** during Academic Session 2018-19(Odd Semester).

Date:20.01.2019

Controller of Examination

*badal*

*[Signature]*

Registrar

K.R. Mangalam University  
Sohna Road, Gurugram, (Haryana)



**K. R. MANGALAM UNIVERSITY**

**THE COMPLETE WORLD OF EDUCATION**

**CERTIFICATE OF COMPLETION**

This is to certify that **AKASHDEEP SINGH**, University Enrolment No **1802070001** of **B.Com (H)** programme has successfully qualified **VALUE ADDED COURSE VAC013 (Excel in Robotics and Technology)** during Academic Session 2018-19(Odd Semester).

Date:20.01.2019

*bradajan*

Controller of Examination

*[Signature]*  
Registrar  
K.R. Mangalam University  
Sohna Road, Gurugram, (Haryana)





**K. R. MANGALAM UNIVERSITY**

**THE COMPLETE WORLD OF EDUCATION**

**CERTIFICATE OF COMPLETION**

This is to certify that **AMARJEET**, University Enrolment No **1802070002** of **B.Com (H)** programme has successfully qualified **VALUE ADDED COURSE VAC013 (Excel in Robotics and Technology)** during Academic Session **2018-19 (Odd Semester)**.

Date: 20.01.2019

Controller of Examination

*brabjan*

Registrar  
K.R. Mangalam University  
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**K. R. MANGALAM UNIVERSITY**  
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## CERTIFICATE OF COMPLETION

This is to certify that **ANURAG SINGH**, University Enrolment No **1802070006** of **B.Com (H)** programme has successfully qualified **VALUE ADDED COURSE VAC013 (Excel in Robotics and Technology)** during Academic Session **2018-19 (Odd Semester)**.

Date: 20.01.2019

*brabjan*  
Controller of Examination

*[Signature]*  
Registrar  
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Sohna Road, Gurugram, (Haryana)





**K. R. MANGALAM UNIVERSITY**  
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**CERTIFICATE OF COMPLETION**

This is to certify that **DHRUV JAIN**, University Enrolment No **1802070011** of **B.Com (H)** programme has successfully qualified **VALUE ADDED COURSE VAC013 (Excel in Robotics and Technology)** during Academic Session **2018-19 (Odd Semester)**.

Date: 20.01.2019

Controller of Examination

*h. rajan*

Registrar  
K.R. Mangalam University  
Sohna Road, Gurugram, (Haryana)



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**CERTIFICATE OF COMPLETION**

This is to certify that GAUTAM SINGLA, University Enrolment No 1802070012 of B.Com (H) programme has successfully qualified VALUE ADDED COURSE VAC013 (Excel in Robotics and Technology) during Academic Session 2018-19(Odd Semester).

Date:20.01.2019

Controller of Examination

*brabajan*

Registrar  
K.R. Mangalam University  
Sohna Road, Gurugram, (Haryana)





**K. R. MANGALAM UNIVERSITY**

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**CERTIFICATE OF COMPLETION**

This is to certify that **NANCY**, University Enrolment No **1802070024** of **B.Com (H)** programme has successfully qualified **VALUE ADDED COURSE VAC013 (Excel in Robotics and Technology)** during Academic Session 2018-19(Odd Semester).

Date:20.01.2019

Controller of Examination

*bradjan*

Registrar

K.R. Mangalam University  
Sohna Road, Gurugram, (Haryana)



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**CERTIFICATE OF COMPLETION**

This is to certify that **NEHA AGGARWAL**, University Enrolment No **1802070026** of **B.Com (H)** programme has successfully qualified **VALUE ADDED COURSE VAC013** (**Excel in Robotics and Technology**) during Academic Session 2018-19(Odd Semester).

Date:20.01.2019

Controller of Examination

*Prabakaran*

*[Signature]*  
Registrar

K.R. Mangalam University  
Sohna Road, Gurugram, (Haryana)





**K. R. MANGALAM UNIVERSITY**  
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**CERTIFICATE OF COMPLETION**

This is to certify that **NITESH FOGAT**, University Enrolment No **1802070028** of **B.Com (H)** programme has successfully qualified **VALUE ADDED COURSE VAC013 (Excel in Robotics and Technology)** during Academic Session **2018-19 (Odd Semester)**.

Date: 20.01.2019

*hmadiajan*

Controller of Examination

*[Signature]*

Registrar  
K. R. Mangalam University  
Sohna Road, Gurugram, (Haryana)



**K. R. MANGALAM UNIVERSITY**  
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**CERTIFICATE OF COMPLETION**

This is to certify that **SANDEEP**, University Enrolment No **1802070036** of **B.Com (H)** programme has successfully qualified **VALUE ADDED COURSE VAC013 (Excel in Robotics and Technology)** during Academic Session **2018-19 (Odd Semester)**.

Date: 20.01.2019

Controller of Examination

*h. rajan*

Registrar  
K.R. Mangalam University  
Sohna Road, Gurugram, (Haryana)





**K. R. MANGALAM UNIVERSITY**  
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**CERTIFICATE OF COMPLETION**

This is to certify that **SHAILESH KUMAR GUPTA**, University Enrolment No 1802070038 of B.Com (H) programme has successfully qualified **VALUE ADDED COURSE VAC013 (Excel in Robotics and Technology)** during Academic Session 2018-19(Odd Semester).

Date: 20.01.2019

Controller of Examination

*h. mahajan*

Registrar

K.R. Mangalam University  
Sohna Road, Gurugram, (Haryana)



**K. R. MANGALAM UNIVERSITY**

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**CERTIFICATE OF COMPLETION**

This is to certify that **SHEETAL SINGH**, University Enrolment No **1802070039** of **B.Com (H)** programme has successfully qualified **VALUE ADDED COURSE VAC013 (Excel in Robotics and Technology)** during Academic Session **2018-19 (Odd Semester)**.

Date: 20.01.2019

Controller of Examination

*Mr. Rajan*

*[Signature]*

Registrar  
K.R. Mangalam University  
Sohna Road, Gurugram, (Haryana)





**K.R. MANGALAM UNIVERSITY**

THE COMPLETE WORLD OF EDUCATION

**CERTIFICATE OF COMPLETION**

This is to certify that **AKSHAT JAIN**, University Enrolment No **1802080007** of **BBA** programme has successfully qualified **VALUE ADDED COURSE VAC013 (Excel in Robotics and Technology)** during Academic Session 2018-19(Odd Semester).

Date:20.01.2019

Controller of Examination

*hmadajam*

Registrar

K.R. Mangalam University  
Sohna Road, Gurugram, (Haryana)



**K.R. MANGALAM UNIVERSITY**  
THE COMPLETE WORLD OF EDUCATION

**CERTIFICATE OF COMPLETION**

This is to certify that **AMAL JOHNSON**, University Enrolment No **1802080008** of **BBA** programme has successfully qualified **VALUE ADDED COURSE VAC013** (Excel in **Robotics and Technology**) during Academic Session **2018-19**(Odd Semester).

Date: 20.01.2019

Controller of Examination

*Aradajan*

Registrar  
K.R. Mangalam University  
Sohna Road, Gurugram, (Haryana)

*[Signature]*





**K. R. MANGALAM UNIVERSITY**

THE COMPLETE WORLD OF EDUCATION

**CERTIFICATE OF COMPLETION**

This is to certify that **ANKIT MISHRA**, University Enrolment No **1802080011** of **BBA** programme has successfully qualified **VALUE ADDED COURSE VAC013 (Excel in Robotics and Technology)** during Academic Session **2018-19 (Odd Semester)**.

Date: 20.01.2019

*Mr. Rajan*

Controller of Examination

*[Signature]*  
Registrar

K.R. Mangalam University  
Sohna Road, Gurugram, (Haryana)



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**CERTIFICATE OF COMPLETION**

This is to certify that **CHINKESH DAHIYA**, University Enrolment No **1802080020** of **BBA** programme has successfully qualified **VALUE ADDED COURSE VAC013 (Excel in Robotics and Technology)** during Academic Session 2018-19(Odd Semester).

Date:20.01.2019

*h. rajan*

Controller of Examination

*[Signature]*

Registrar  
K.R. Mangalam University  
Sohna Road, Gurugram, (Haryana)





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This is to certify that **FIRDOUSH KHAN**, University Enrolment No **1802080022** of **BBA** programme has successfully qualified **VALUE ADDED COURSE VAC013 (Excel in Robotics and Technology)** during Academic Session **2018-19 (Odd Semester)**.

Date: 20.01.2019

*h. rajan*

Controller of Examination

*[Signature]*

Registrar

K.R. Mangalam University  
Sohna Road, Gurugram, (Haryana)



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This is to certify that **MOHIT GOYAL**, University Enrolment No **1802080035** of **BBA** programme has successfully qualified **VALUE ADDED COURSE VAC013** (Excel in **Robotics and Technology**) during Academic Session **2018-19**(Odd Semester).

Date: 20.01.2019

*brabjan*  
Controller of Examination

*87*  
Registrar  
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Sohna Road, Gurugram, (Haryana)





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This is to certify that **PRIVANSHI GOEL**, University Enrolment No **1802080049** of **BBA** programme has successfully qualified **VALUE ADDED COURSE VAC013** (Excel in **Robotics and Technology**) during Academic Session 2018-19 (Odd Semester).

Date: 20.01.2019

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*hmadajan*

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This is to certify that **SHUBHAM SHERAWAT**, University Enrolment No **1802080062** of **BBA** programme has successfully qualified **VALUE ADDED COURSE VAC013** (Excel in **Robotics and Technology**) during Academic Session 2018-19(Odd Semester).

Date:20.01.2019

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This is to certify that **AKSHIMA**, University Enrolment No **1803100002** of **B.Sc (H) Chem** programme has successfully qualified **VALUE ADDED COURSE VAC013 (Excel in Robotics and Technology)** during Academic Session **2018-19**(Odd Semester).

Date:20.01.2019

Controller of Examination

*Madhavan*

*[Signature]*

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This is to certify that **LOKESH**, University Enrolment No **1803100007** of **B.Sc (H) Chem** programme has successfully qualified **VALUE ADDED COURSE VAC013** (Excel in **Robotics and Technology**) during Academic Session 2018-19(Odd Semester).

Date:20.01.2019

*h*  
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*[Signature]*  
Registrar  
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This is to certify that **MONIKA YADAV**, University Enrolment No **1803600003** of **M.Sc (H) Maths** programme has successfully qualified **VALUE ADDED COURSE VAC013 (Excel in Robotics and Technology)** during Academic Session **2018-19 (Odd Semester)**.

Date: 20.01.2019

*Madhavi*  
Controller of Examination

*[Signature]*  
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This is to certify that **RUDRAKSH MISHRA**, University Enrolment No **1812730001** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC013** (**Excel in Robotics and Technology**) during Academic Session **2018-19**(Odd Semester).

Date: 20.01.2019

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This is to certify that **RUDRAKSH MISHRA**, University Enrolment No 1812730001 of B.Tech CSE programme has successfully qualified **VALUE ADDED COURSE VAC013 (Excel in Robotics and Technology)** during Academic Session 2018-19(Odd Semester).

Date:20.01.2019

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