



SESHADRI RAO GUDLAVALLERU ENGINEERING COLLEGE

(An Autonomous Institute with Permanent Affiliation to JNTUK, Kakinada)

Seshadri Rao Knowledge Village, GUDLAVALLERU-521 356, Krishna District, A.P., India

(Approved by AICTE, New Delhi and Permitted by A.P. State Government)

Accredited by NAAC

Phone Nos. 08674-273737, 273888, Mobile: +91 9848779121 Fax No. 08674-273957

E-mail: principal@gecgudlavalleru.ac.in, office@gecgudlavalleru.ac.in, Web: www.gecgudlavalleru.ac.in

Number of value-added courses for imparting transferable and life skills offered

Academic year 2021 - 2022.

S. No	Name of Value-added Courses	Number of students enrolled	Number of Students completing the course
1	Two-week value-added course on Sketch up	126	124
2	Two-week value-added course on Applications on GIS&GPS in civil engineering	165	155
3	Two-week value-added course on Analysis of structures using SAP	159	156
4	Value added course on PV Systems Design	106	104
5	Value added course on Python Programming	161	159
6	A value-added course on Introduction to software tools and their applications in Electrical Engineering	114	110
7	Value added course on ARC- Advanced Certification on Emerging Technology	8	8
8	Value added course on APSSDC - DASSAULT-3D Experience centre training program on CATIA, DELMIA and SIMULIA	380	358
9	Value added course on 3D-Printing, Internet of Things and Robotics	95	92
10	Value added course on Smart System Design using IoT	256	254
11	Value added course on Digital System Design using Verilog	262	260
12	Value added course on Python Programming	272	270
13	Value added course on Oracle Data Analytics	200	195
14	Value added course on Mobile Application Development	200	196
15	Value added course on Touch and Augmented Reality	200	198
16	Value added course on Aws Cloud Foundation-Edu Skills	82	78

S. No	Name of Value-added Courses	Number of students enrolled	Number of Students completing the course
17	Value added course on Blue Prism Foundation	82	77
18	Value added course on Big IoT Platform	125	118
19	Value added course on Power BI	70	58
20	Value added course on Android Application Development	70	60
21	Value added course on Data Analysis Using Python	137	120
22	A Two-Week Value-added course on Sensors, Transducers and Instrumentation Principles	66	66
23	A Two-Week Value-Added Course on Database Management Systems	173	173
24	A Two-Week Value-Added Course on Unmanned Aerial Vehicles for IoT Systems	173	173
25	A Two-Week Value-Added Course on Recent Trends and Challenges in IoT	112	112
26	Value added course on Team Leadership Skills	57	56
27	Value added course on Digital Marketing	42	36
28	Value added course on Introduction to Business Analytics	42	35
29	A Two Week Value added course on Human values and Professional Ethics	72	72
30	A Three Week Value added course on Communication skills for work place success	94	92
31	A Two Week Value added course on Personality Development	118	115
32	A Two Week Value added course on Professional Ethics	236	228
33	A Two Week Value added course on Web Designing	326	322
34	A Two Week Value added course Tech Insights	177	173



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 Gudlavalleru - 521 356, Krishna District. A.P.



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Seshadri Rao Knowledge Village, GUDLAVALLERU

Proposal for Value Added Course

Course Code: SRGEC/CE/-VAC04/06-06-2022

Course Title: A TWO- WEEK VALUE ADDED COURSE ON SKETCHUP

Duration: 12 days|72 Hr

Date: 24-06-2022 to 07-07-2022

Class Timings: FN 9:00 AM– 12:00PM,
AN 1:30 PM – 4:30 PM

Mode: Offline

Eligibility: II B.Tech Students

Objectives:

- To introduce various software tools and their applications in Civil Engineering.
- At the end of the course, Students can visualize their ideas with the joy of drawing by the ease of super-smart 3D Modeling Software (SKETCHUP).

Proposed Topics:

- Interface in google Sketchup, 3D Modeling and Drawing

Name of resource person(s) :

- Dr. M. Sri Rama Chand.
Founder, licensed Structural Engineer
- Er. M.Sandhya, Managing Director
- Er. A.Devendra Reddy, Associate Design Engineer
- Er. M.Ravi Teja, Structural Engineer (Grade-II)
- Er. K.Prashanth, Associate Design Engineer

Offered by:Department of Civil Engineering

Course Coordinator(s):

Sri. K. Venkateswara Rao, Assoc. Prof.,
9440187129, kalyanapu@gecgudlallerumic.in
Sri. K. Nagarjuna, Asst. Prof.,
9866665281, knag@gecgudlallerumic.in

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Approved by (Principal)



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Proposal for Value Added Course

Course Code: SRGEC/CE/-VAC02/05-01-2022

Course Title: A TWO - WEEK VALUE ADDED COURSE ON APPLICATIONS OF GIS & GPS IN CIVIL ENGINEERING

Duration: 12 days| 72 Hr

Date: 31-01-2022 to 12-02-2022

Class Timings: FN 9:00 AM– 12:00PM,
AN 1:30 PM – 4:30 PM

Mode: Offline

Eligibility: III B.Tech Students

Objectives:

- To introduce different geodetic methods of survey
- To familiarized with Total Station and GPS.

Proposed Topics:

- Different geodetic methods of survey such as triangulation, trigonometric levelling
- Modern advanced surveying techniques involved such as remote sensing, Total station, GPS, Photogrammetry etc.

Name of resource person(s):

Mr. N. Hari Pavan, Assistant Professor, CE.
Mrs. M. L. Sirisha, Assistant Professor, CE.

Offered by: Department of Civil Engineering

Course Coordinator(s):

Mr. N. Hari Pavan, Assistant Professor,
9014345098, haripavan@gecgudlavallerumic.in
Mrs. M. L. Sirisha, Assistant Professor,
9390488744, mls@gecgudlavallerumic.in


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Proposal for Value Added Course

Course Code: SRGEC/CE/-VAC01/15-01-2021

Course Title: A TWO - WEEK VALUE ADDED COURSE ON ANALYSIS OF STRUCTURE USING SAP

Duration: 12 days| 72 Hr

Date: 29-11-2021 to 11-12-2021

Class Timings: FN 09:00 AM– 12:00PM,

AN 1:30 PM – 4:30 PM

Mode: Offline

Eligibility: IV B.Tech Students

Objectives:

- To introduce various software tools and their applications in Civil Engineering.
- To make the students more effective in the field of Civil Engineering with respect to this software

Proposed Topics:

- Preliminary Design and Modeling of Building

Name of resource person(s):

Mr. A.H.L.Swaroop, Sr.Gr.Asst., prof., Department of Civil Engineering.

Mr. L.Ganesh Babu, Asst., prof., Department of Civil Engineering.

Offered by: Department of Civil Engineering

Course Coordinator(s):

Mr. A.H.L. Swaroop, Sr.Gr.Asst. Prof.,

9491678603, ahls@gecgudlavallerumic.in

Mr. L. Ganesh Babu, Asst. Prof.,

7013805396, lganeshbabu@gecgudlavallerumic.in


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Proposal for Value Added Course

CourseCode:SRGEC/EEE/VAC/03/2021

Date: 17-09-2021

CourseTitle: Two-Week Value-Added Course on PV Systems Design

Duration: 14days|72hours

Date:08/11/2021 to 20/11/2021(Exceptofficialholidays)

ClassTimings:10:00 A.M to 12:00 P.M and 2:00 P.M to 4:00 P.M

Mode:Offline

Eligibility:II B.Tech Students

Objectives: To impart knowledge about planning, project implementation and operation of solar PV Power

Proposed Topics:PV Module Technology, Types of PV System

Name of resource person(s):Mr. A. Amarendra, Associate Professor, EEE Department, SRGEC

Offered by: Department of Electrical and Electronics Engineering

Course Coordinator(s):Mr. E. Vargil Kumar

Contact Details:

Mobiles: 9502392817

Email ID:vargilkumar@gmail.com


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Proposal for Value Added Course

CourseCode:SRGEC/EEE/VAC/02/2021

Date: 01-10-2021

Course Title: Three-Week Value-Added Course on Python Programming

Duration: 21days|108 Hours

Date: 18/10/2021 to 06/11/2021(Except official holidays)

Class Timings: 10:00 A.M to 12:00 P.M and 2:00 P.M to 4:00 P.M

Mode: Offline

Eligibility: IV B.Tech Students

Objectives: To introduce scripting language, familiarize with general coding techniques to solve oops. Concepts

Proposed Topics: Python Programming and control statements

Name of resource person(s): Dr. J. Kiran, Assistant Professor, EEE Department, SRGEC

Offered by: Department of Electrical and Electronics Engineering

Course Coordinator(s): Dr. K. Kalyan Raj

Contact Details:

Mobiles: 7981812072

Email ID: kalyan20.kaniganti@gmail.com


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Proposal for Value Added Course

Course Code: SRGEC/EEE/VAC-01/2021

Date: 03-08-2021

Course Title: Introduction to Software tools and their applications in Electrical & Electronics Engineering

Duration: 14 days|72 Hours

Date: 06/09/2021 to 18/09/2021(Except official holidays)

Class Timings: 10:00 A.M to 12:00 P.M and 2:00 P.M to 4:00 P.M

Mode: Blended

Eligibility: III B. Tech Students

Objectives: Familiarize with general PCB design flow, types of PCB and EDA tools.

Proposed Topics: IOT Cloud Platform, importance of micro controller and PCB Design

Name of resource person(s): Mr. N. Ramesh, CEO, Apply Volt Technologies, Hyderabad

Offered by: Department of Electrical and Electronics Engineering

Course Coordinator(s): Mr. E. Vargil Kumar

Contact Details:

Mobiles: 9502392817

EmailID: vargilkumar@gmail.com


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Proposal for Value Added Course

Course Code: SRGEC/ME/VAC-02/2021-22

Date: 05/10/2021

Course Title: A Value-Added Course on ARC- Advance Certification on Emerging Technologies

Duration: 110days| 120Hours

Date: 06/11/2021 to 24/02/2022(Except official holidays)

Class Timings: 2:00 PM to 4:00 PM

Mode: Blended

Eligibility: III B. Tech Students

Objectives: To bring in latest technologies in automation and give firsthand experience on industrial robots to the students.

Proposed Topics: Mechatronics and robotics, cobots and robolink technology, PLC controls

Name of resource person(s): Team ARC

Offered by: Department of Electrical and Electronics Engineering

Course Coordinator(s): Mr. D. Tarun

Contact Details:

Mobiles: 9493608470

EmailID: tarundittakavi.me@gmail.com


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Proposal for Value Added Course

CourseCode:SRGEC/ME/VAC-03/2021-22

Date: 04/07/2022

CourseTitle:Software training on CATIA, DELMIA, SIMULIA

Duration: 64days| 60 Hours

Date:16/08/2022 to 18/11/2022(Exceptofficialholidays)

ClassTimings:02:00 PM to 04:00 PM

Mode:Blended

Eligibility:II, III, IV B.Tech Students and PG Students

Objectives:To impart skills in engineering design using 3D experience platform.

Proposed Topics:Sketcher,Part Design, GSD operation and components drafting.

Name of resource person(s):Mr. M. G. Rama Krishna
Offered by: Department of Mechanical Engineering

Course Coordinator(s):Mr. D. Kiran Prasad

Contact Details:

Mobiles: 9951074958

EmailID:damarlakiran@gmail.com


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Proposal for Value Added Course

Course Code: SRGEC/ME/VAC/01/2021-22

Date: 25/08/2021

Course Title: 3D Printing, Internet of Things & Robotics

Duration: 14days|72Hours

Date: 06/09/2021 to 18/09/2021(Except official holidays)

Class Timings: 10:00 A.M. to 12:00 PM and 1:20 PM to 4:20 PM

Mode: Blended

Eligibility: II B. Tech Students

Objectives: To impart knowledge and training on 3D printing, IOT and Robotics.

Proposed Topics: Introduction to design thinking, application of IOT.

Name of resource person(s): Dr. B.K. C. Ganesh MD, Print 3D technologies, Tirupathi

Offered by: Department of Mechanical Engineering

Course Coordinator(s): Dr. L. Ramesh

Contact Details:


Mobiles: 9000455974

EmailID:lramesh007@yahoo.com


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Proposal for Value Added Course

Course Code: SRGEC/ECE/VAC03/18/01/22

Course Title: Smart System Design using IoT

Duration : 12 days| 72 Hr

Date: 13-02-2022 to 25-02-2022 (Except official holidays)

Class Timings: 9.30 AM to 12.30 PM and 1.30 PM to 4.30 PM

Mode: Offline

Eligibility: IV B.Tech Students

Objectives: To familiarize the digital technologies in various fields with the advent of IoT.

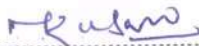
Proposed Topics: Overview of IoT, Arduino Platform , Sensors and Motors Interfacing, Data Collection and processing

Name of resource person: Mr. Madhu Parvathaneni, Managing Director, Madblocks Technologies Limited, Hyderabad.

Offered by: Department of ECE

Course Coordinator: Sri N.Sambamurthy
Contact Details: Assistant Professor, Department of ECE
Mobile: 9959934656
EmailID:sambanaga@gmail.com


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Proposal for Value Added Course

Course Code: SRGEC/ECE/VAC02/20/10/2021

Course Title: Digital System Design Using Verilog

Duration : 12 days| 72 Hr

Date:08-11-2021 to 20-11-2021 (Except official holidays)

Class Timings: 9.30 AM to 12.30 PM and 1.30 PM to 4.30 PM

Mode: Offline

Eligibility: III B.Tech Students

Objectives: To introduce various process of VLSI system design flow.

Proposed Topics: Verilog basics and Procedural blocks, Combinational and Sequential Circuits
Finite state machines/ASM and Static Timing analysis

Name of resource person: Er. Raja Bandi, Founder and Director, Lucid VLSI, Hyderabad.

Offered by: Department of ECE

Course Coordinator : Sri Y.Sri Chakrapani
Contact Details: Associate Professor, Department of ECE
Mobiles: 9912629700
EmailID:srichakrapani@gmail.com


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Proposal for Value Added Course

Course Code: SRGEC/ECE/VAC01/15/09/2021

Course Title: Python Programming

Duration : 12 days | 72 Hr

Date: 04-10-2021 to 16-10-2021 (Except official holidays)

Class Timings: 9.30 AM to 12.30 PM and 1.30 PM to 4.30 PM

Mode: Offline

Eligibility: II B.Tech Students

Objectives: To familiarize the development of Python programming for different applications.


Proposed Topics: Programming Constructs, Functional Programming, Python Packages and modules

Name of resource persons: 1) Ms. K.Veera Vanitha (Trainer cum Developer) APSSDC, Govt. of A.P
2) Ms. M.Ruthamma (Trainer cum Developer) APSSDC, Govt. of A.P

Offered by: Department of ECE

Course Coordinator: Sri B.Vamsi Krishna
Contact Details: Assistant Professor, Department of ECE
Mobile: 8919135139
EmailID:vdvamsi@gmail.com


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Proposal for Value Added Course

Course Code: SRGEC/CSE/VAC-4/2021-22

15/06/2022

Course Title: Oracle Data Analytics

Duration: 12 days|84 Hrs

Date: 27-06-2022 to 09-07-2022(Except official holidays)

Class Timings: 09:30 AM to 04:30PM

Mode: Online

Eligibility: III B.Tech Students

Objectives:

- Master Oracle data analytics tools and techniques.
- Develop insightful data Analysis skills.
- Support decision-making and business intelligence.

Proposed Topics:

- Introduction to Oracle Database
- Oracle Database Concepts.
- Basic SQL querying and filtering
- SQL and PL/SQL.
- Indexing strategies and performance considerations
- Data integration techniques with Oracle tools
- Data cleaning and preprocessing.
- Data Visualization.

Name of resource person(s): Dr. K. V. D. SAGAR,

Offered by: Department of Computer Science and Engineering

Course Coordinator(s): Dr. G. Sridevi, Assoc. Professor of CSE

Contact Details:

Mobiles: 7989243633

Email ID: guttasridevi144@gmail.com

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Proposal for Value Added Course

Course Code: SRGEC/CSE/VAC-3/2021-22

18/04/2022

Course Title: Mobile Application Development

Duration: 12 days|84 Hrs

Date: 02-05-2022 to 14-05-2022 (Except official holidays)

Class Timings: 09:30 AM to 04:30 PM

Mode: Online

Eligibility: III B.Tech Students

Objectives:

- Describe those aspects of mobile programming that make it unique from programming for other platforms
- Critique mobile applications on their design pros and cons
- Utilize rapid prototyping techniques to design and develop sophisticated mobile interfaces
- Program mobile applications for the Android operating system that use basic and advanced phone features
- Deploy applications to the Android market place for distribution

Proposed Topics:

- Introduction to Mobile Application Development
- Installing and Version control
- Basic User Interface Screen elements
- Designing User Interfaces with Layouts.
- Using Content Providers,
- Handling Persisting Data.
- JSON Web Service.
- drawing 2D and 3D Graphics and Multimedia
- Drawing and Working with Animation
- Networking
- Telephony and Location
- Android Networking
- Web and Telephony API Search,
- Location and Mapping, Publishing.

Name of resource person(s): Harideep Kajjayam

Offered by: Department of Computer Science and Engineering

Course Coordinator(s):

Ms. K. Jyothisna Latha, Asst. Professor of CSE

Contact Details:


Mobiles: 6301725343

Email ID: csejyothisnalatha@gmail.com

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Proposal for Value Added Course

Course Code: SRGEC/CSE/VAC-2/2021-22

21/01/2022

Course Title: Touch and Augmented Reality

Duration: 12 days|84 Hrs

Date: 31-01-2022 to 12-02-2022 (Except official holidays)

Class Timings: 09:30 AM to 04:30 PM

Mode: Online

Eligibility: III B.Tech Students

Objectives:

- To introduce the concept of Touch and Augmented Reality.
- To explore AR is intended to enhance the virtual world and the real world.
- Augmented reality (AR) development platforms provide tools to create AR products that superimpose computer-generated images into the real world.

Proposed Topics:

- Introduction to Augmented Reality
- Augmented Reality Object Recognition
- Building blocks of Augmented Reality
- Types of Marker less AR
- Working Process of Augmented Reality
- Examples of AR Object Recognition in Action

Name of resource person(s): Dr. P. Pandarinath

Offered by: Department of Computer Science and Engineering

Course Coordinator(s):

Mrs. D. Raga Vamsi, Asst. Professor of CSE

Contact Details:

Mobiles: 9676899962

Email ID: raaga.vamsi@gmail.com


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Proposal for Value Added Course

Course Code: SRGEC/IT/-VAC 211203 /02/11/2021

Course Title: AWS CLOUD FOUNDATION – EDU SKILLS

Duration: 24 days | 48 Hrs.

Date: 06/12/2021 to 31/12/2021 (Except official holidays)

Class Timings: 02.00 PM. – 04.00 PM.

Mode: Blended

Eligibility: B.Tech. Students

Objectives: Recognize the purpose of the AWS Academy Cloud Foundations course.

Proposed Topics: AWS CLOUD FOUNDATION – EDU SKILLS

Name of resource person(s) : Smt.A.Koteswaramma, Assistant Professor, IT, SRGEC

Offered by: Department of Information Technology

Course Coordinator(s): Smt.T.Sumallika
Contact Details: Assistant Professor, Department of IT, SRGEC
Mobiles: 9703721095
Email ID: sumallika.p@gmail.com


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Proposal for Value Added Course

Course Code: SRGEC/IT/-VAC 221201 /14/12/2021

Course Title: BLUE PRISM FOUNDATION

Duration: 20 days | 40 Hrs.

Date: 02/01/2022 to 15/01/2022 (Except official holidays)

Class Timings: 02.00 PM. – 04.00 PM.

Mode: Blended

Eligibility: B.Tech. Students

Objectives: This course is aimed at an audience interested in Robotic Process Automation


Proposed Topics: BLUE PRISM FOUNDATION

Name of resource person(s) : Smt.Ch. Pooja Rani, Assistant Professor, IT, SRGEC

Offered by: Department of Information Technology

Course Coordinator(s): Smt.M.Divya Sumithra
Contact Details: Assistant Professor, Department of IT, SRGEC
Mobiles: 9848864158
Email ID: sumithra530@gmail.com


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Proposal for Value Added Course

Course Code: SRGEC/IT/-VAC 211202 /12/11/2021

Course Title: BIG IOT PLATFORM

Duration: 20 days | 72 Hrs.

Date: 29/11/2021 to 11/12/2021 (Except official holidays)

Class Timings: 09.30 AM. – 12.30 PM.

02.00 PM. – 05.00 PM.

Mode: Blended

Eligibility: B.Tech. Students

Objectives: 1) To demonstrate Industry 4.0.
2) To practice Amazon Web Services IoT

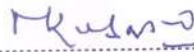
Proposed Topics: BIG IOT PLATFORM

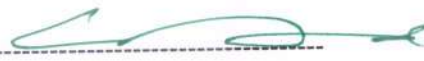
Name of resource person(s) : Mr. Vijaya Srinivas, Smart Solutions Pvt. Ltd., Hyderabad

Offered by: Department of Information Technology

Course Coordinator(s): Sri B.Srinivasu Kumar
Contact Details: Associate Professor, Department of IT, SRGEC
Mobiles: 8978786633
Email ID: bskgec@gmail.com


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Proposal for Value Added Course

Course Code: SRGEC/AI&DS/VAC-3/2021-22

01/06/2022

Course Title: Power BI

Duration: 12 days|84 Hrs

Date: 13-06-2022 to 25-06-2022(Except official holidays)

Class Timings: 09:30 AM to 04:30PM

Mode: Online

Eligibility: II B.Tech Students

Objectives:

- To Understand the fundamentals of POWERBI
- To find insights with in an organizations data
- To create interactive reports

Proposed Topics:

- Visualization
- Datasets
- Reports
- Tiles
- Dashboards.

Name of resource person(s): Dr. P. Pandarinath


Offered by: Department of Artificial Intelligence & Data Science

CourseCoordinator(s):Mr. K. Ashok Reddy, Asst. Professor of AI&DS

Contact Details:

Mobiles: 9441698556

EmailID:ashokreddy.gec@gmail.com


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Proposal for Value Added Course

CourseCode:SRGEC/AI&DS/VAC-2/2021-22

19/04/2022

CourseTitle:Android Application Development

Duration: 12 days|84 Hrs

Date: 02-05-2022 to 14-05-2022 (Except official holidays)

Class Timings: 09:30 AM to 04:30PM

Mode:Online

Eligibility : II B.Tech Students

Objectives:

- Introduction to Android development.
- Fundamentals of Java programming.
- User interface design.
- Working with data.
- Integration with system features.
- Best practices in app development.
- Real-world project experience.

Proposed Topics:

- Basics of Android.
- Android Layouts and Widgets.
- Communication and Media.
- Storage Techniques and Animation in Android.
- Web Services and Customizations of Widgets.
- Advanced Android Concepts.
- Publishing Android Apps on Google Play.

Name of resource person(s): Harideep Kajjayam

Offered by: Department of Artificial Intelligence & Data Science

CourseCoordinator(s):Mr. K. Ashok Reddy, Asst. Professor of AI&DS

Contact Details:

Mobiles: 9441698556

EmailID:ashokreddy.gec@gmail.com

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Seshadri Rao Knowledge Village, Gudlavalleru

Proposal for Value Added Course

Course Code: SRGEC/AI&DS/VAC-1/2021-22

21/03/2022

Course Title: Data Analysis using Python

Duration: 12 days|84 Hrs

Date: 04-04-2022 to 18-04-2022(Except official holidays)

Class Timings: 09:30 AM to 04:30PM

Mode: Online

Eligibility: II B.Tech Students

Objectives:

- Ask or Specify Data Requirements
- Prepare or Collect Data
- Clean and Process
- Analyze
- Share
- Act or Report

Proposed Topics:

- Installing and using Jupyter Notebooks
- Numpy Module.
- Pandas Module.
- Plotting Histograms.
- Dealing with missing data, concatenating,
- merging and joint operations
- Linear Regression.
- Make Predictions and analyze Results

Name of resource person(s): Dr. Y. Adi Lakshmi

Offered by: Department of Computer Science and Engineering

Course Coordinator(s): Mr. K. Ashok Reddy, Asst. Professor of AI&DS

Contact Details:

Mobiles: 9441698556

EmailID:ashokreddy.gec@gmail.com

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M. K. Reddy

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Proposal for Value Added Course

Course Code: SRGEC/IOT/VAC01/30-05-2022

Course Title: A Two Week Value added course on Sensors, Transducers and Instrumentation Principles

Duration : 12 days | 72Hr

Date: 13-06-2022 to 25-06-2022 (Except official holidays)

Class Timings: 9.00 AM to 4:00PM

Mode: Online

Eligibility: I B TECH

Objectives:

To familiarise the students with the application-specific considerations of sensors and instrumentation systems. Participants would explore the requirements, challenges, and best practices for different fields such as environmental monitoring, healthcare, manufacturing, automation, and energy.

Proposed Topics:

1. Introduction to Sensors and Transducers
2. Principles of Sensor Operation
3. Signal Conditioning and Amplification
4. Data Acquisition and Instrumentation
5. Measurement Techniques
6. Instrumentation Interfaces and Communication
7. Practical Hands-on Activities

Name of resource person(s) : Mr. N. Ramesh, CEO, Apply Volt Technologies, Hyderabad
Team Apply Volt Technologies, Hyderabad

Offered by: Department of Internet of Things

Course Coordinator(s):

Contact Details:

Mr.B.R.B.Jaswanth

Mobiles: 9885072427

Email ID: jaswanthiot@gmail.com

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Proposal for Value Added Course

Course Code: SRGEC/IOT/VAC 02/09-06-2022

Course Title: A Two Week Value Added Course on Database Management Systems

Duration : 12 days | 72Hrs

Date: 20-06-2022 to 02-07-2022 (Except official holidays)

Class Timings: 9.00 AM to 4:00PM

Mode: Online

Eligibility: I B TECH

Objectives:

To introduce students to the basic concepts of database management systems (DBMS), including data models, schema, and data manipulation languages. And also, to familiarize them with the different types of DBMS, their features, and their applications in the field of engineering.

Proposed Topics:

1. Introduction to DBMS.
2. Database Design and Data Modeling
3. Relational Data Model.
4. Review and practice.
5. Advanced SQL
6. Database Design and Normalization.
7. Transactions and management.
8. Review and practice.

Name of resource person(s) : Dr.S.Narayana, Professor and Mentor of CSE, SRGEC

Offered by: Department of Internet of Things

Course Coordinator(s):

Contact Details:

Mr. B.R.B. Jaswanth

Mobiles: 9885072427

Email ID: jaswanthiot@gmail.com

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Proposal for Value Added Course

Course Code: SRGEC/IOT/VAC 03/30-06-2022

Course Title: A Two Week Value Added Course on Unmanned Aerial Vehicles For IoT Systems

Duration : 12 days | 72Hr

Date: 11-07-2022 to 23-07-2022 (Except official holidays)

Class Timings: 9.00 AM to 4:00PM

Mode: Online

Eligibility: I B TECH

Objectives:

To familiarise the drone technology and it's applications in personal, commercial and security purposes, artificial intelligence applications like emergency management, surveillance and homeland security. This workshop provides foundational knowledge about drone technology and its business applications.

Proposed Topics:

1. Basic of Aviation Technology. Aviation includes activities surrounding mechanical flight and the aircraft industry.
2. Basic of ArduPilot Software and its Configuration.
 1. Virtual Quadcopter Configuration with SITL.
 2. Real Drone Assembly & Hardware Configuration.
 3. Drone Flying Practice.

Name of resource person(s) : Mr. U.Siddhartha Reddy, CEO, Robogen Pvt.Ltd., Visakhapatnam

Offered by: Department of Internet of Things

Course Coordinator(s):

Contact Details:

Mr. B.R.B. Jaswanth

Mobiles: 9885072427

Email ID: jaswanthiot@gmail.com

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Proposal for Value Added Course

Course Code: SRGEC/IOT/VAC 04/27-07-2022

Course Title: A Two Week Value Added Course on Recent Trends And Challenges In IoT

Duration : 12 days | 72Hr

Date: 08-08-2022 to 20-08-2022 (Except official holidays)

Class Timings: 9.00 AM to 4:00PM

Mode: Online

Eligibility: I B TECH

Objectives:

The aim of this workshop is to explore the state-of- art technologies in the area of Internet of Things (IoT) through a series of lectures delivered by eminent persons working in this field and to provide some hands on experiences in setting up IoT platform with open source softwares.

Proposed Topics:

1. IoT supply chain issues.
2. More AI support for IoT data analytics.
3. Increased industrial IoT use cases.
4. More widespread connectivity for IoT devices.
5. Lower costs for IoT product components.
6. New technological developments

Name of resource person(s) : MrAntony Pradeesh.,Sr.project Engineer and Lead,Thingbyte,
Pvt.,Ltd.,Bangalore.

Offered by: Department of Internet of Things

Course Coordinator(s):

Contact Details:

Mr.B.R.B.Jaswanth

Mobiles: 9885072427

Email ID: jaswanthiot@gmail.com

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Dt: 16-07-2022.

Proposal for Value Added Course

Course Code: SRGEC/MBA/03-VAC/2021-22

Course Title: Team Leadership Skills

Duration: 15 days | 30 Hr

Date: 08/08/2022 to 27/08/2022 (Except official holidays)

Class Timings: 1:30PM – 3:30PM

Mode: Off-line

Eligibility: MBA (previous) and I & II B.Tech students.

Objectives: The objective is to develop a well-rounded skill set encompassing team dynamics, leadership principles, problem-solving, critical thinking, conflict resolution, negotiation, decision-making, and effective delegation.

Proposed Topics: Introduction to Team Leadership; Essential Skills for Team Leadership; Advanced Team Leadership Techniques

Name of resource person(s): Dr. Ch Nirmal Chand

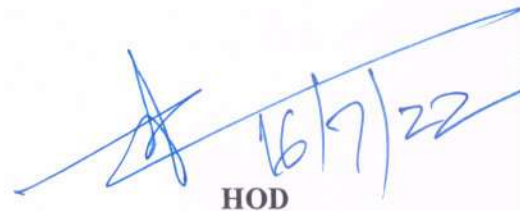
Offered by: Department of Business and Management Studies

Course Coordinator(s): Dr. S Madhavi

Contact Details:


Mobiles: 9030375263

Email ID: sripathi.madhavi235@gmail.com


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Dt: 28-03-2022.

Proposal for Value Added Course

Course Code: SRGEC/MBA/02-VAC/2021-22

Course Title: Digital Marketing

Duration: 18 days | 36 Hr

Date: 18-04-2022 to 07-05-2022 (Except official holidays)

Class Timings: 1:30PM – 3:30PM

Mode: Off-line

Eligibility: MBA (final) and III & IV B.Tech students.

Objectives: The objective is to learn Digital Marketing's diverse aspects, from its importance in contemporary business to various types, tools, and skills, including website design, content marketing, advanced techniques like social media optimization and mobile marketing, and its impact on businesses.

Proposed Topics: Introduction to Digital Marketing; Digital Marketing Foundations; Advanced Digital Marketing Techniques

Name of resource person(s): Dr. S Madhavi

Offered by: Department of Business and Management Studies

Course Coordinator(s): Dr. S Madhavi

Contact Details:

Mobiles: 9030375263

Email ID: sripathi.madhavi235@gmail.com


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Dt: 21-12-2021.

Proposal for Value Added Course

Course Code: SRGEC/MBA/01-VAC/2021-22

Course Title: Introduction to Business Analytics

Duration: 12 days | 42 Hr

Date: 10-01-2022 to 29-01-2022 (Except official holidays)

Class Timings: 1:30PM – 4:30PM

Mode: Off-line

Eligibility: MBA (final) and III & IV B.Tech students.


Objectives: The objective is to understand the importance of business analytics, learn about analytics types, become familiar with relevant tools, gain knowledge about data types and measurement, and acquire skills in data collection, cleaning, and exploratory analysis.


Proposed Topics: Introduction to Business Analytics; Data Analytics Foundations; Data Visualization and Predictive Analytics

Name of resource person(s): Mr. Hemanth Kumar T

Offered by: Department of Business and Management Studies

Course Coordinator(s): Dr. S Madhavi
Contact Details:
Mobiles: 9030375263
Email ID: sripathi.madhavi235@gmail.com


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GUDLALLERU ENGINEERING COLLEGE
Seshadri Rao Knowledge Village, GUDLALLERU

Proposal for Value Added Course

Course Code: SRGEC/CE/-VAC03/27-01-2022

Course Title: A TWO - WEEK VALUE ADDED COURSE ON HUMAN VALUES & PROFESSIONAL ETHICS

Duration: 12 days| 72 Hr

Date: 14-02-2022 to 26-02-2022

Class Timings: FN 9:00 AM– 12:00PM,
AN 1:30 PM – 4:30 PM

Mode: Offline

Eligibility: I B.Tech Students

Objectives:

- To create an environment of mutual respect, trustworthiness and quality interaction as well as fair participation of functionaries and beneficiaries of the institution.

Proposed Topics:

- Positive thinking, Self Esteem, Self-Worth and Self Confidence

Name of resource person(s):

Dr.S.R.K.Reddy, Professor, CE.

Offered by: Department of Civil Engineering

Course Coordinator(s):

Mr. N.V.Srinivasa Rao, Asst. Prof.,
9505497997, nvsr@gecgudlallerumic.in
Sri. K. Nagarjuna, Asst. Prof.,
9866665281, knag@gecgudlallerumic.in
Mrs. O. Aparna, Asst. Prof.,
9490792989, aparnaobilisetti@gecgudlallerumic.in

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Seshadri Rao Knowledge Village, GUDLAVALLERU

Proposal for Value Added Course

Course Code: SRGEC/EEE/VAC/04/2022

Date: 03-01-2022

Course Title: Two-Week Value-Added Communication Skills for Workplace Success

Duration: 21 days | 54 Hours

Date: 01/02/2022 to 21/02/2022 (Except official holidays)

Class Timings: 1:20 PM to 4:20 PM

Mode: Offline

Eligibility: I B.Tech Students

Objectives: To improve one's communication skills and showing employer the willingness to learn and advance one's career.

Proposed Topics: Verbal communication, Non-verbal communication, Visual Communication and Active listening, team building, leadership and negotiation skills.

Name of resource person(s): Mr. B. Rama Krishna, Assistant Professor, EEE Department, SRGEC

Offered by: Department of Electrical and Electronics Engineering

Course Coordinator(s): Mrs. Ch. Sujatha

Contact Details:

Mobiles: 9985955293

Email ID: ksujathasagar@gmail.com


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Proposal for Value Added Course

Course Code: SRGEC/ME/VAC/04/2021-22

Date: 04/01/2022

Course Title: Two-Week Value-Added Course on Personality Development

Duration: 14days|42Hours

Date: 14/02/2022 to 26/02/2022(Except official holidays)

ClassTimings:01:20 PM to 4:20 PM

Mode:Offline

Eligibility:I B.Tech Students

Objectives:To inculcate leadership quality, develop attitudes conducive for effective communication

Proposed Topics:Motivational talk, career guidance and leadership qualities.

Name of resource person(s):Sri MVG Anjaneyulu, Sri GVN Raju

Offered by: Department of Mechanical Engineering

Course Coordinator(s):Dr. L. Ramesh

Contact Details:


Mobiles: 9000455974

EmailID:lramesh007@yahoo.com


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Seshadri Rao Knowledge Village, GUDLAVALLERU

Proposal for Value Added Course

Course Code: SRGEC/ECE/VAC04/28/02/22

Course Title: Professional Ethics

Duration : 12 days| 48 Hr

Date: 14-03-2022 to 26-03-2022 (Except official holidays)

Class Timings: 9.00 AM to 1.00 PM

Mode: Offline

Eligibility: I B.Tech Students


Objectives: To familiarize with the ethics, rights and responsibilities of Engineers

Proposed Topics: Morals and Ethics, Ethics- Types of Inquiry, Engineer's Responsibilities and Rights

Name of resource person: Mr.M Vinod, Assistant Professor, Department of MBA, SRGEC,
Gudlavalluru

Offered by: Department of ECE

Course Coordinator: Sri B.Vamsi Krishna,
Contact Details: Assistant Professor, Department of ECE
Mobile: 9959934656
EmailID:sambanaga@gmail.com


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Seshadri Rao Knowledge Village, GUDLAVALLERU

Proposal for Value Added Course

Course Code: SRGEC/CSE/VAC-1/2021-22

23/11/2021

Course Title: Web Designing

Duration: 12 days|84 Hrs

Date: 06-12-2021 to 12-12-2021(Except official holidays)

Class Timings: 09:30 AM to 04:30PM

Mode: Online

Eligibility: I B.Tech Students

Objectives:

- To introduce the fundamentals of Internet, and the principles of web design.
- To construct basic websites using HTML and Cascading Style Sheets.
- To build dynamic web pages with validation using JavaScript objects and by applying different event handling mechanisms
- To develop modern interactive web applications using PHP, XML AND MySQL.

Proposed Topics:

- Basics of Web Designing
- Web Technologies
- Basics of HTML
- CSS
- JavaScript
- Basics of Creating Layouts
- Adobe Photoshop
- XML
- PHP & MYSQL
- Concepts of Visual Design
- Web Project Management
- Web Accessibility
- Web Design Theory
- Web Publishing and Browsing

Name of resource person(s): Dr. K. V. D. SAGAR,

Offered by: Department of Computer Science and Engineering

Course Coordinator(s): Mrs. G. Keerthi, Asst. Professor of CSE

Contact Details:

Mobiles: 9502955444

Email ID: keerthi.guttikonda@gmail.com


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Proposal for Value Added Course

Course Code: SRGEC/IT/-VAC 221202 /08/04/2022

Course Title: Tech Insights

Duration: 14 days | 42 Hrs.

Date: 25/04/2022 to 07/05/2022 (Except official holidays)

Class Timings: 02.00 PM. – 05.00 PM.

Mode: Blended

Eligibility: B.Tech. Students

Objectives: To prepare Academic Readiness and Holistic Personal Development Proposed

Topics: Tech Insights - B.Tech First Year Students Development Series

Name of resource person(s) :

Dr. M.V.L.N.RajaRao, Prof & Mentor(AS&A)
9849938279
Dr. Ch.Kavitha, Prof & HOD
9959592361
Sri.Ch.Seresh Babu, Assoc. Prof
9676021214
Sri.D.V.L.N.Indira, Assoc. Prof
9441085760

Offered by: Department of Information Technology

Course Coordinator(s): Smt.Ch. Pooja Rani
Contact Details: Assistant Professor, Department of IT, SRGEC
Mobiles: 7382027693
Email ID: cheerlapoojarani@gmail.com


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