



Yearly Status Report - 2018-2019

Part A

Data of the Institution

| | | |
|---|--|---|
| 1. Name of the Institution | | SAGI RAMA KRISHNAM RAJU ENGINEERING COLLEGE |
| Name of the head of the Institution | | Dr. G. P. Saradhi Varma |
| Designation | | Principal |
| Does the Institution function from own campus | | Yes |
| Phone no/Alternate Phone no. | | 08816223332 |
| Mobile no. | | 9848381818 |
| Registered Email | | principalsrkrec@gmail.com |
| Alternate Email | | principal@srkrec.ac.in |
| Address | | Chinaamiram |
| City/Town | | Bhimavaram |
| State/UT | | Andhra Pradesh |
| Pincode | | 534204 |

| 2. Institutional Status | | | | | |
|---|---|------|---------------------------------------|-------------|-------------|
| Autonomous Status (Provide date of Conformant of Autonomous Status) | 16-Jun-2016 | | | | |
| Type of Institution | Co-education | | | | |
| Location | Rural | | | | |
| Financial Status | private | | | | |
| Name of the IQAC co-ordinator/Director | Dr. K.V. Murali Krishnam Raju | | | | |
| Phone no/Alternate Phone no. | 08816222748 | | | | |
| Mobile no. | 8919119462 | | | | |
| Registered Email | principalsrkrec@gmail.com | | | | |
| Alternate Email | iqac@srkrec.ac.in | | | | |
| 3. Website Address | | | | | |
| Web-link of the AQAR: (Previous Academic Year) | http://www.srkrec.edu.in/files/mandates/AQAR_Report_2017_18.pdf | | | | |
| 4. Whether Academic Calendar prepared during the year | Yes | | | | |
| if yes,whether it is uploaded in the institutional website: Weblink : | http://www.srkrec.edu.in/files/academic_calendar_2018_2019.pdf | | | | |
| 5. Accrediation Details | | | | | |
| | | | | Validity | |
| Cycle | Grade | CGPA | Year of Accrediation | Period From | Period To |
| 1 | A | 3.60 | 2016 | 19-Feb-2016 | 31-Dec-2021 |
| 6. Date of Establishment of IQAC | | | 02-Feb-2010 | | |
| 7. Internal Quality Assurance System | | | | | |
| Quality initiatives by IQAC during the year for promoting quality culture | | | | | |
| Item /Title of the quality initiative by IQAC | Date & Duration | | Number of participants/ beneficiaries | | |

| | | |
|---|-------------------|------|
| AICTE-ISTE Sponsored FDP Program-Research Methodology and Statistical Analysis. | 09-Jul-2018 6 | 55 |
| Vehicle Designing and Development | 05-Jun-2018 16 | 32 |
| Induction program for first year students | 16-Jul-2018 10 | 1476 |
| Workshop on Additive Manufacturing | 13-Jul-2018 2 | 34 |
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8. Provide the list of Special Status conferred by Central/ State Government-UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

| Institution/Department/Faculty | Scheme | Funding Agency | Year of award with duration | Amount |
|--------------------------------|--|--|-----------------------------|---------|
| Institution | Fund for Improvement of ST Infrastructure (FIST) | Department of Science and Technology (DST) | 2018 1825 | 3000000 |
| No Files Uploaded !!! | | | | |

9. Whether composition of IQAC as per latest NAAC guidelines:

Yes

Upload latest notification of formation of IQAC

[View File](#)

10. Number of IQAC meetings held during the year :

4

The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website

Yes

Upload the minutes of meeting and action taken report

[View File](#)

11. Whether IQAC received funding from any of the funding agency to support its activities during the year?

No

12. Significant contributions made by IQAC during the current year(maximum five bullets)

1. Achieved 189th Rank in NIRF 2. Renewed Scientific and Industry Research Organization (SIRO) Recognition 3. Participated in ARIIA Ranking 4. Acted as Nodal centre for AICTE SIH 5. Rated as "AAA" and 41st National Rankings in Top Engineering Institutes by Digital learning 2018 6. 38th Rank in Top 100 private Tschools by DATAQUEST 2018 7. Best Technical education institute in Andhra Pradesh by TIMES Excellence Awards.

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13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year

| Plan of Action | Achivements/Outcomes |
|--|---|
| Feedbacks | Collected the feedback from students, parents, teachers, Alumni and employers |
| Participation in NIRF | Achieved 189th Rank in NIRF |
| Participation in ARIIA Ranking Participation | MHRD is released the Top-05 list for private institutions |
| Academic Audit | Conducted the department wise academic audit |
| SIRO Recognition | Received renewal of SIRO recognition from 01.04.2019 to 31.03.2022 |
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14. Whether AQAR was placed before statutory body ?

Yes

| Name of Statutory Body | Meeting Date |
|------------------------|--------------|
| Governing Body | 02-Apr-2021 |

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?

No

16. Whether institutional data submitted to AISHE:

Yes

Year of Submission

2018

Date of Submission

20-Dec-2018

17. Does the Institution have Management Information System ?

Yes

If yes, give a brief description and a list of modules currently operational (maximum 500 words)

Yes, the Institute has a well designed Management Information System (MIS). All the major institutional activities are implemented through MIS. • Student Information System: It stores every student information like student contact information, parent contact information, personal data, results, attendance reports etc. They are maintained in timely manner. • Library

Management System: It manages all the library information of students and staff. • Examination Portal: Examination, post examination and supplementary processes such as Time table generation, student list generation, payment for examination fee, hall tickets generation, all internal and end semester examination information, entry of marks, result declaration, generation of grade cards etc. are done through MIS system • Administration and Accounts Automation System: Administration and accounts related information of students and staff is automated.

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Design and Development

1.1.1 – Programmes for which syllabus revision was carried out during the Academic year

| Name of Programme | Programme Code | Programme Specialization | Date of Revision |
|-------------------|----------------|--|------------------|
| BTech | UG-CE | B.Tech. R16-III-Year-Civil Engineering | 03/07/2018 |
| BTech | UG-CSE | B.Tech. R16-III-Year-Computer Science and Engineering | 03/07/2018 |
| BTech | UG-ECE | B.Tech. R16-III-Year- Electronics and Communications Engineering | 03/07/2018 |
| BTech | UG-EEE | B.Tech. R16-III-Year- Electrical and Electronics Engineering | 03/07/2018 |
| BTech | UG-IT | B.Tech. R16-III-Year- Information Technology | 03/07/2018 |
| BTech | UG-MECH | B.Tech. R16-III-Year- Mechanical Engineering | 03/07/2018 |
| BTech | UG-CE | B.Tech. R17-II-Year-Civil Engineering CE | 03/07/2018 |
| BTech | UG-CSE | B.Tech. R17-II-Year-Computer Science and Engineering | 03/07/2018 |
| BTech | UG-ECE | B.Tech. R17-II- | 03/07/2018 |

| | | | |
|---------------------------|--------|--|------------|
| | | Year-Electronics and Communications Engineering | |
| BTech | UG-EEE | B.Tech. R17-II-Year-Electrical and Electronics Engineering | 03/07/2018 |
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1.1.2 – Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year

| Programme with Code | Programme Specialization | Date of Introduction | Course with Code | Date of Introduction |
|---------------------|---|----------------------|--|----------------------|
| Mtech | M.Tech. R17-I-Year-I-Sem-CAD CAM | 14/08/2017 | Industrial Robotics(M17 CAD 1101) | 14/08/2017 |
| BTech | B.Tech. R16-II-Year-I-Sem-Civil Engineering | 03/07/2018 | Structural Analysis(B16 CE 3101) | 03/07/2018 |
| BTech | B.Tech. R17-I-I-Year-I-Sem-Computer Science and Engineering | 03/07/2018 | Data Structures(B17 CS 2101) | 03/07/2018 |
| BTech | B.Tech. R17-I-I-Year-II-Sem-Electronics and Communication Engineering | 03/07/2018 | Professional Ethics & Human Values(B17 BS 2204) | 03/07/2018 |
| BTech | B.Tech. R16-II-Year-II-Sem-Electrical and Electronics Engineering | 03/07/2018 | Advanced Control Systems(B16 EE 3201) | 03/07/2018 |
| BTech | B.Tech. R16-II-Year-I-Sem-Information Technology | 03/07/2018 | Computer Networks(B16 IT 3101) | 03/07/2018 |
| BTech | B.Tech. R16-II-Year-II-Sem-Year-Mechanical Engineering | 03/07/2018 | Dynamics of Machines(B16 ME 3205) | 03/07/2018 |
| Mtech | M.Tech. R17-I-Year-I-Sem-Structural Engineering | 14/08/2017 | Advanced Mathematics(M17 ST 1101) | 14/08/2017 |
| Mtech | M.Tech. R17-I-Year-I-Sem-Power Systems and Automation | 14/08/2017 | Advanced Power system Operation and control(M17 PS 1101) | 14/08/2017 |

| | | | | |
|---------------------------|---|------------|-----------------------------------|------------|
| Mtech | M.Tech. R17-I -Year-II-Sem- Information Technology | 14/08/2017 | Cyber Security(M17 IT 1202) | 14/08/2017 |
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1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the Academic year

| Programme/Course | Programme Specialization | Dates of Introduction |
|---------------------------|---|-----------------------|
| BTech | B.Tech. R16-III-Year- Civil Engineering | 03/07/2018 |
| BTech | B.Tech. R16-III-Year- Information Technology | 03/07/2018 |
| BTech | B.Tech. R16-III-Year- Mechanical Engineering | 03/07/2018 |
| BTech | B.Tech. R17-II-Year- Civil Engineering | 03/07/2018 |
| BTech | B.Tech. R17-II-Year- Electrical and Electronics Engineering | 03/07/2018 |
| BTech | B.Tech. R17-II-Year- Mechanical Engineering | 03/07/2018 |
| Mtech | M.Tech. R17-II-Year- Computer Science and Technology | 14/08/2017 |
| Mtech | M.Tech. R17-II-Year- Communication Systems | 14/08/2017 |
| Mtech | M.Tech. R17-II-Year-CAD CAM | 14/08/2017 |
| Mtech | M.Tech. R17-II-Year- Information Technology | 14/08/2017 |
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the College level during the Academic year.

| Name of programmes adopting CBCS | Programme Specialization | Date of implementation of CBCS/Elective Course System |
|----------------------------------|-------------------------------------|---|
| Mtech | Computer Science and Technology | 08/08/2016 |
| Mtech | Communication Systems | 08/08/2016 |
| Mtech | Power Systems and Automation | 08/08/2016 |
| Mtech | Information Technology | 08/08/2016 |
| Mtech | CAD CAM | 08/08/2016 |
| BTech | Civil Engineering | 08/08/2016 |
| BTech | Computer Science and Engineering | 08/08/2016 |
| BTech | Electronics and | 08/08/2016 |

| | | |
|-------|--|------------|
| | Communications Engineering | |
| BTech | Electrical and Electronics Engineering | 08/08/2016 |
| BTech | Information Technology | 08/08/2016 |
| BTech | Mechanical Engineering | 08/08/2016 |
| Mtech | Structural Engineering | 08/08/2016 |

1.3 – Curriculum Enrichment

1.3.1 – Value-added courses imparting transferable and life skills offered during the year

| Value Added Courses | Date of Introduction | Number of Students Enrolled |
|--|----------------------|-----------------------------|
| Advanced Chemical Thermodynamics and Kinetics | 05/07/2018 | 2 |
| Advanced Topics in Probability and Random Processes | 05/07/2018 | 123 |
| Analog Circuits | 02/07/2018 | 2 |
| Applied Robotic Control Lab | 23/01/2019 | 24 |
| Analysis and Design Principles of Microwave Antennas | 04/07/2018 | 259 |
| Data Base Management Systems | 02/07/2018 | 36 |
| Discrete Time Signal Processing | 06/07/2018 | 269 |
| Introduction to R Software | 03/07/2018 | 636 |
| Introduction to Abrasive Machining and Finishing Processes | 02/07/2018 | 342 |
| Manufacturing of Composites | 01/07/2018 | 337 |

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1.3.2 – Field Projects / Internships under taken during the year

| Project/Programme Title | Programme Specialization | No. of students enrolled for Field Projects / Internships |
|-------------------------|--|---|
| BTech | Civil Engineering | 53 |
| BTech | Computer Science and Engineering | 229 |
| BTech | Electrical and Electronics Engineering | 156 |
| BTech | Electronics and Communications Engineering | 43 |
| BTech | Information Technology | 42 |

[View File](#)**1.4 – Feedback System**

1.4.1 – Whether structured feedback received from all the stakeholders.

| | |
|-----------|-----|
| Students | Yes |
| Teachers | Yes |
| Employers | Yes |
| Alumni | Yes |
| Parents | Yes |

1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution?
(maximum 500 words)**Feedback Obtained**

The Institute is constantly in touch with all its stakeholders and is taking inputs from them in order to improve the quality of education. The survey is conducted by circulating the questionnaire prepared by the departments among the stakeholders. The survey helps the institute in identifying the strengths and weaknesses of the program. The summarized results of the survey are discussed in the meetings of Board of studies. Based on the survey report, the curriculum and program structure are revised to make the students compete with the present completion world. New courses are introduced to impart core competency skills which are very essential to fulfill the dream of the Honorable Prime minister and Nation. Based on the feedback from stakeholders, the courses related to employability i.e., advanced technologies and electives are introduced. The advanced technologies and electives are related to their field of study which enables the student to prove themselves in the global competition and job environment with the knowledge gained in the above courses. The professional electives are introduced to help the students to learn the cutting technologies in their field and the open elective is to gain multidisciplinary skills. To improve the teaching-learning process, online student feedbacks are collecting for the teaching performance of faculty on each course. The collected feedback will be sent to the Head of the departments (HODs). The HoDs may counsel the faculty based on the performance of teaching and also ask them to attend the FDPs/Orientation programs. Further, the institution is collecting student feedback on infrastructure and facilities. The collected feedback is analyzed and suggestions are considered to improve our standards on facilities and services. To conclude, the feedback obtained is constructive in the form of designing a curriculum, enhancing the efficiency of the teaching-learning process, which makes a conducive environment for the overall development of the institute.

CRITERION II – TEACHING- LEARNING AND EVALUATION**2.1 – Student Enrolment and Profile**

2.1.1 – Demand Ratio during the year

| Name of the Programme | Programme Specialization | Number of seats available | Number of Application received | Students Enrolled |
|-----------------------|------------------------------|---------------------------|--------------------------------|-------------------|
| Mtech | Power Systems and Automation | 24 | 20 | 20 |
| Mtech | Communication Systems | 24 | 16 | 16 |
| Mtech | Computer | 36 | 29 | 29 |

| | | | | |
|---------------------------|--|-----|-----|-----|
| | Science and Technology | | | |
| Mtech | Structural Engineering | 18 | 16 | 16 |
| BTech | Civil Engineering | 240 | 229 | 229 |
| BTech | Computer Science and Engineering | 300 | 313 | 313 |
| BTech | Electronics and Communications Engineering | 240 | 239 | 239 |
| BTech | Electrical and Electronics Engineering | 240 | 227 | 227 |
| BTech | Information Technology | 180 | 181 | 181 |
| BTech | Mechanical Engineering | 300 | 287 | 287 |
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2.2 – Catering to Student Diversity

2.2.1 – Student - Full time teacher ratio (current year data)

| Year | Number of students enrolled in the institution (UG) | Number of students enrolled in the institution (PG) | Number of fulltime teachers available in the institution teaching only UG courses | Number of fulltime teachers available in the institution teaching only PG courses | Number of teachers teaching both UG and PG courses |
|------|---|---|---|---|--|
| 2018 | 5816 | 226 | 356 | 28 | 20 |

2.3 – Teaching - Learning Process

2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

| Number of Teachers on Roll | Number of teachers using ICT (LMS, e-Resources) | ICT Tools and resources available | Number of ICT enabled Classrooms | Number of smart classrooms | E-resources and techniques used |
|----------------------------|---|-----------------------------------|----------------------------------|----------------------------|---------------------------------|
| 404 | 404 | 50 | 50 | 43 | 42 |

[View File of ICT Tools and resources](#)

[View File of E-resources and techniques used](#)

2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

Mentoring system is being implemented in the college to monitor the students with regard to their academic and professional well-being. Every student is assigned to a faculty member who continues to be the mentor for the student till the completion of his/her course. Mentors closely monitor their academic performance, attendance, conduct etc. Mentor will have a meeting with the students once in a month. Marks scored, attendance percentage with respect to every subject is analyzed and remarks are listed in the counselling document. Mentor identifies the shortcomings as well as the core competencies of the students and guides them accordingly. Parent Teacher meetings are conducted when it required.

| | | |
|--|-----------------------------|-----------------------|
| Number of students enrolled in the institution | Number of fulltime teachers | Mentor : Mentee Ratio |
| 6042 | 404 | 1:15 |

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

| No. of sanctioned positions | No. of filled positions | Vacant positions | Positions filled during the current year | No. of faculty with Ph.D |
|-----------------------------|-------------------------|------------------|--|--------------------------|
| 404 | 404 | Nil | 20 | 84 |

2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)

| Year of Award | Name of full time teachers receiving awards from state level, national level, international level | Designation | Name of the award, fellowship, received from Government or recognized bodies |
|---------------|---|---------------------|--|
| 2018 | Dr.G.P.SaradhiVarma | Professor | Best Researcher Award, JNTUK, Kakinada |
| 2019 | Dr. K. Brahma Raju | Professor | Technology Excellence Award, Indian Technology Congress, Bengaluru |
| 2019 | Dr.M.Jagapathiraju | Principal | Committee Member in APSCHE-APECET-2019, Govt. of Andhra Pradesh. |
| 2018 | Sri. P.Sumanth | Assistant Professor | Ph.D Fellowship, VIT, Nagpur |
| 2018 | Sri T.V.Nagaraju | Assistant Professor | Best Paper, Young Researchers Symposium for Geotechnical Engineers, National Institute of Technology, Warangal |
| 2018 | Dr.N Udaya Kumar | Professor | Editorial Board Member in CSSP |
| 2018 | Chalapathiraju K | Assistant Professor | Coordinator for IUCEE-EPICS Design Thinking Course, EPICS, Purdue University |
| 2018 | Dr.B V D S Sekhar | Associate Professor | Fellow in The institute of engineers(India) |
| 2018 | Dr.M.Jagapathiraju | Principal | Committee Member in APSCHE-APECET-2019 , Govt. of Andhra Pradesh |

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2.5 – Evaluation Process and Reforms

2.5.1 – Number of days from the date of semester-end/ year- end examination till the declaration of results during the year

| Programme Name | Programme Code | Semester/ year | Last date of the last semester-end/ year-end examination | Date of declaration of results of semester-end/ year- end examination |
|----------------|----------------|----------------|--|---|
| BTech | UG-ECE | II/I | 11/05/2019 | 13/06/2019 |
| BTech | UG-CE | I/I | 21/12/2018 | 11/01/2019 |
| BTech | UG-EEE | I/II | 19/11/2018 | 24/12/2018 |
| BTech | UG-IT | II/II | 24/04/2019 | 08/06/2019 |
| BTech | UG-CSE | I/III | 19/11/2018 | 11/01/2019 |
| BTech | UG-MECH | II/III | 26/04/2019 | 08/06/2019 |
| Mtech | PG-STR | I/I | 15/02/2019 | 18/03/2019 |
| Mtech | PG-IT | II/I | 03/08/2019 | 12/09/2019 |

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2.5.2 – Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

| Number of complaints or grievances about evaluation | Total number of students appeared in the examination | Percentage |
|---|--|------------|
| Nil | 9670 | 0 |

2.6 – Student Performance and Learning Outcomes

2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

http://www.srkrec.edu.in/files/mandates/naac/Course_Outcomes.pdf

2.6.2 – Pass percentage of students

| Programme Code | Programme Name | Programme Specialization | Number of students appeared in the final year examination | Number of students passed in final year examination | Pass Percentage |
|----------------|----------------|--|---|---|-----------------|
| UG-PSA | Mtech | Power Systems and Automation | 16 | 13 | 81.250 |
| UG-CE | BTech | Civil Engineering | 216 | 200 | 92.593 |
| UG-CSE | BTech | Computer Science and Engineering | 288 | 223 | 77.431 |
| UG-ECE | BTech | Electronics and Communications Engineering | 285 | 280 | 98.246 |
| UG-EEE | BTech | Electrical and | 282 | 167 | 59.220 |

| | | | | | |
|---------------------------|-------|---------------------------------|-----|-----|--------|
| | | Electronics Engineering | | | |
| UG-IT | BTech | Information Technology | 182 | 140 | 76.92 |
| UG-MECH | BTech | Mechanical Engineering | 356 | 288 | 80.90 |
| PG-STR | Mtech | Structural Engineering | 18 | 15 | 83.333 |
| PG-CST | Mtech | Computer Science and Technology | 26 | 20 | 76.923 |
| PG-CS | Mtech | Communication Systems | 19 | 15 | 78.947 |
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2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

<http://www.srkrec.edu.in/files/mandates/naac/feedbacks/2018-19.pdf>

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Promotion of Research and Facilities

3.1.1 – The institution provides seed money to its teachers for research

| |
|--|
| Yes |
| Name of the teacher getting seed money |
| Dr. P. A. R. K. Raju |
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3.1.2 – Teachers awarded National/International fellowship for advanced studies/ research during the year

| Type | Name of the teacher awarded the fellowship | Name of the award | Date of award | Awarding agency |
|---------------|--|-------------------|---------------|---|
| National | P. Sumanth | Ph.D Fellowship | 01/07/2018 | VIT, Nagpur. |
| International | Dr. G. Pardha Saradhi Varma | Research | 06/08/2018 | Global Knowledge Research Foundation, National Education Partner AICTE and US Commercial Service, Dept. |

| | | | | |
|---------------------------|--------------------------------|----------|------------|--|
| | | | | of Commerce, Govt. of USA |
| International | Dr. G. Pardha Saradhi Varma | Research | 11/09/2018 | Sagi Ramakrishnam Raju Engineering College |
| International | Dr. Venu Reddy | Research | 10/12/2018 | SERB, NEW DELHI. |
| View File | | | | |

3.2 – Resource Mobilization for Research

3.2.1 – Research funds sanctioned and received from various agencies, industry and other organisations

| Nature of the Project | Duration | Name of the funding agency | Total grant sanctioned | Amount received during the year |
|---------------------------|----------|----------------------------|------------------------|---------------------------------|
| Any Other (Specify) | 4 | SERB | 0.86 | 0.86 |
| Any Other (Specify) | 14 | AICTE | 4.45 | 4.45 |
| Any Other (Specify) | 14 | AICTE | 4.58 | 4.58 |
| Any Other (Specify) | 3 | AICTE | 5 | 5 |
| Minor Projects | 365 | MHRD IIT Delhi | 0.5 | 0.5 |
| Major Projects | 730 | AICTE | 12.75 | 10.2 |
| Major Projects | 730 | AICTE | 10.97 | 8.77 |
| Major Projects | 730 | AICTE | 15.9 | 14.9 |
| Major Projects | 730 | DST | 29.32 | 11.65 |
| View File | | | | |

3.2.2 – Number of ongoing research projects per teacher funded by government and non-government agencies during the years

| |
|-------|
| 0.047 |
|-------|

3.3 – Innovation Ecosystem

3.3.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

| Title of workshop/seminar | Name of the Dept. | Date |
|---|--------------------------|------------|
| Research Methodology and Statistical Analysis. | Information Technology | 09/07/2018 |
| Machine Learning Evolve Predictive Data Analytics | Information Technology | 23/07/2018 |
| College Connect | SRKR Engineering College | 30/08/2018 |

| | | |
|--|--|------------|
| One Day Program on Start up India Andhra Pradesh Yatra Boot Camp | SRKR Engineering College | 04/09/2018 |
| MSME Governing Body MEET | SRKR Engineering College | 20/09/2018 |
| A 3-Day Workshop on Preliminary Aspects of Soft Computing Techniques. | Centre for Soft Computing, (Technology Centre) | 29/11/2018 |
| Introduction to Intellectual Property Rights (IPR) how to File Patent | Information Technology | 07/12/2018 |
| National Level competition on Innovative Designs under SPARDHA 2018 | Technology Centre, SRKR Engineering College | 15/12/2018 |
| Workshop on Innovations in Materials and Manufacturing | Mechanical Engineering | 03/01/2019 |
| Awareness Workshop on SMART INDIA HACKATHON 2019, Andhra Pradesh Telangana | SRKR Engineering College | 10/01/2019 |
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3.3.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

| Title of the innovation | Name of Awardee | Awarding Agency | Date of award | Category |
|---|-------------------------|--|---------------|-----------------------------|
| Best Researcher Award | Dr. G. P. Saradh iVarma | JNTUK, Kakinada | 27/12/2018 | Research Recognition |
| Entrepreneurship Skills A part From held a Workshope | A. Sai Chandana | Stanford University, USA | 05/11/2018 | International Fellowship |
| Young Reasearchers Symposium for Geotechnical Engineers | Sri. T.V. Nagaraju | National Institute of Te chnology, warang al | 02/10/2018 | Research Recognition |
| Significant contributions to the research and development of welding technologies and educating, guiding future engineers | Dr. K. Brahma Raju | Indian Technology Congress, Bengaluru | 09/04/2019 | Technology Excellence Award |
| Guest Editor for Materials T | Dr. Venu Reddy | Materials Today: Proceedings | 03/03/2019 | Research Recognition |

| | | | | |
|--|---|-------------------------|------------|---------------------|
| oday:Proceeding s issue | | | | |
| Smart ECG Patch-Won First Prize of Rs. 75,000/- at State Level Fintech College Connect Start-up Challenge 2018 | K. Manish, M. Raj Sekhar, D. Sai Madhu, V. Maheswari and the mentor Dr.N .G.K.Murthy. | Govt. of Andhra Pradesh | 03/11/2018 | Innovation Activity |
| Rescue Stick-A life Saver Device -Won Third Prize of Rs. 25,000/- at State Level Fintech College Connect Start-up Challenge 2018 | S.S.V. Sai Kiran, T. Soma Sekhar and Sri K. Sitharaman Raju (Mentor) | Govt. of Andhra Pradesh | 03/11/2018 | Innovation Activity |
| VR-Geo Blocks and Mosquito Repellent Strips-Won First Prize of Rs. 75000/- in State Level Start-up India Andhra Pradesh Idea Competition | N. Satya Sundari, T Syam Sumanth Reddy, M. Sarvani and Mentor T. Vamsi Naga Raju | Govt. of Andhra Pradesh | 11/11/2018 | Innovation Activity |

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3.3.3 – No. of Incubation centre created, start-ups incubated on campus during the year

| Incubation Center | Name | Sponsored By | Name of the Start-up | Nature of Start-up | Date of Commencement |
|-------------------|----------------|---|----------------------------------|--------------------|----------------------|
| I-Hub | Y.Tirumalesh | Faculty | Magnetic Mind Solutions | Electronics , IOT | 12/07/2018 |
| I-Hub | Ch. Raghuv eer | ICREATE, Ahamdabad granted for product development (POC) through the Nidhi Prayas Government Scheme and Technology E ntrepren eurs hip Cell | Elon Motors Engineering Pvt. Ltd | Mechanical | 24/08/2018 |

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3.4 – Research Publications and Awards

3.4.1 – Ph. Ds awarded during the year

| Name of the Department | Number of PhD's Awarded |
|------------------------------|-------------------------|
| Basic Science and Humanities | 1 |

3.4.2 – Research Publications in the Journals notified on UGC website during the year

| Type | Department | Number of Publication | Average Impact Factor (if any) |
|---------------|--|-----------------------|--------------------------------|
| International | Civil Engineering | 6 | 0 |
| International | Computer Science and Engineering | 8 | 0 |
| International | Electronics and Communications Engineering | 21 | 0 |
| International | Electrical and Electronics Engineering | 12 | 0.12 |
| International | Information Technology | 6 | 0.61 |
| International | Mechanical Engineering | 20 | 0.17 |
| International | Basic Science and Humanities | 54 | 0.2 |
| National | Civil Engineering | 4 | 0 |
| National | Basic Science and Humanities | 2 | 0 |

[View File](#)

3.4.3 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

| Department | Number of Publication |
|--|-----------------------|
| Mechanical Engineering | 7 |
| Information Technology | 2 |
| Electrical and Electronics Engineering | 8 |
| Electronics and Communications Engineering | 11 |
| Computer Science and Engineering | 12 |
| Civil Engineering | 1 |

[View File](#)

3.4.4 – Patents published/awarded during the year

| Patent Details | Patent status | Patent Number | Date of Award |
|--|---------------|---------------|---------------|
| Synthesis Of Barium Titanate From Barite ORES For MicroStrip Antenna | Published | 201941013896A | 24/06/2019 |

| | | | |
|---|-----------|---------------|------------|
| Applications | | | |
| Srichakra Antenna For Wideband Applications | Published | 201941014142A | 24/06/2019 |
| System for detecting early stages of Alzheimers Disease and Method | Published | 201941016188A | 03/05/2019 |
| Computer Implemented Methods for Reducing Failure Rate of Recognizing Angle-Oriented Images and System Employed thereof | Published | 201841033688A | 14/09/2018 |
| View File | | | |

3.4.5 – Bibliometrics of the publications during the last academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

| Title of the Paper | Name of Author | Title of journal | Year of publication | Citation Index | Institutional affiliation as mentioned in the publication | Number of citations excluding self citation |
|--|---|--|---------------------|----------------|---|---|
| Biofunctionalized graphene oxide wrapped carbon nanotubes enabled microfluidic immuno chip for bacterial cells detection | Singh, C., Ali, M.A., Reddy, V., Singh, D., Kim, C.G., Sumana, G., Malhotra, B.D. | Sensors and Actuators, B: Chemical | 2018 | 2 | S.R.K.R. Engineering College | 2 |
| Enhancing the performance of an intrusion detection system through multi-linear dimensionality reduction and Multi-class SVM | Kumar, B.N., Raju, M.S. V.S.B., Vardhan, B.V. | International Journal of Intelligent Engineering and Systems | 2018 | 1 | S.R.K.R. Engineering College | 1 |

| | | | | | | |
|---|---|---|------|---|------------------------------|-----|
| Experimental investigation on AL6061 silver coated copper metal matrix composite circular extended surfaces pre and post heat treatment | Kumar, K.P., Kumar, M.A., Vinay, P.V., Kumar, A. | Journal of Thermal Engineering | 2018 | 1 | S.R.K.R. Engineering College | 1 |
| Scalable production of water-dispersible reduced graphene oxide and its integration in a field effect transistor | Reddy, V., Satish Babu, K.K.C., Torati, S.R., Eom, Y.J., Trung, T.Q., Lee, N.-E., Kim, C. | Journal of Industrial and Engineering Chemistry | 2018 | 1 | S.R.K.R. Engineering College | 1 |
| Relative Kinematic Analysis of Serial and Parallel Manipulators | Saheb, S.H., Babu, G.S., Raju, N.V.S. | IOP Conference Series: Materials Science and Engineering | 2018 | 0 | S.R.K.R. Engineering College | Nil |
| Fatigue loading on Ti-6Al-4V cruciform shape welded joints with different weld bead shapes | Venkata Subbaiah, K., Vempati, S., Brahma Raju, K. | International Journal of Mechanical and Production Engineering Research and Development | 2018 | 0 | S.R.K.R. Engineering College | Nil |
| A systematic delay and power dominant carry save adder design | Krishna Vamsi, A., Udaya Kumar, N., Bala Sindhuri, K., Sai Chandra Teja, G. | Proceedings of the International Conference on Smart Systems and Inventive | 2018 | 0 | S.R.K.R. Engineering College | Nil |

| | | Technology , ICSSIT 2018 | | | | |
|---|---|---|------|---|------------------------------|---|
| Region Based Instance Document (RID) Approach Using Compression Features for Authorship Attribution | Raju, N.V.G., Chinta, S.R. | Annals of Data Science | 2018 | 1 | S.R.K.R. Engineering College | 1 |
| Engineering behaviour of expansive clays blended with cement and GGBS | Phanikumar, B.R., Nagaraju, T.V. | Proceedings of the Institution of Civil Engineers: Ground Improvement | 2018 | 1 | S.R.K.R. Engineering College | 1 |
| Development and Characterization of Al-GNPs Composites by Stir Casting Method | Palampalle, B.P., Brahma Raju, K., Venkata Subbaiah, K. | SAE Technical Papers | 2018 | 1 | S.R.K.R. Engineering College | 1 |

[View File](#)

3.4.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

| Title of the Paper | Name of Author | Title of journal | Year of publication | h-index | Number of citations excluding self citation | Institutional affiliation as mentioned in the publication |
|---|---|--------------------------------|---------------------|---------|---|---|
| The Integration of CAD/CAM and Rapid Prototyping in Product Development: A Review | Matta A.K., Ranga Raju D., Suman K.N.S. | Materials Today: Proceedings | 2018 | 12 | 13 | S.R.K.R. Engineering College |
| Characterization and modeling | Balakrishna A., Rao D.N., Rakesh | Composites Part B: Engineering | 2018 | 12 | 17 | S.R.K.R. Engineering College |

| | | | | | | |
|---|---|--|------|----|----|------------------------------|
| of process parameters on tensile strength of short and randomly oriented Borassus F labellifer (Asian Palmyra) fiber reinforced composite | A.S. | | | | | |
| Application of grey-taguchi method for optimization of dry sliding wear properties of aluminum MMCs | Siriyala R., Alluru G.K., Penmetsa R.M.R., Duraiselvam M. | Frontiers of Mechanical Engineering | 2018 | 12 | 14 | S.R.K.R. Engineering College |
| Optimization of cutting conditions for surface roughness in CNC end milling | Raju K.V.M.K., Janardhana G.R., Kumar P.N., Rao V.D.P. | International Journal of Precision Engineering and Manufacturing | 2018 | 12 | 28 | S.R.K.R. Engineering College |
| Evolving ant direction differential evolution for OPF with non-smooth cost functions | Vaisakh K., Srinivas L.R. | Engineering Applications of Artificial Intelligence | 2018 | 12 | 50 | S.R.K.R. Engineering College |
| Evolving ant colony optimization based unit commitment | Vaisakh K., Srinivas L.R. | Applied Soft Computing Journal | 2018 | 12 | 34 | S.R.K.R. Engineering College |
| Genetic evolving ant | Vaisakh K., Srinivas | Expert Systems with Appli | 2018 | 12 | 34 | S.R.K.R. Engineering College |

| | | | | | | |
|--|--|--------------------------------------|------|----|----|------------------------------|
| direction HDE for OPF with non-smooth cost functions and statistical analysis | L.R. | cations | | | | |
| Using participatory modelling to compensate for data scarcity in environmental planning: A case study from India | Ritzema H., Froebrich J., Raju R., Sreenivas C., Kselik R. | Environmental Modelling and Software | 2018 | 12 | 24 | S.R.K.R. Engineering College |
| A genetic evolving ant direction DE for OPF with non-smooth cost functions and statistical analysis | Vaisakh K., Srinivas L.R. | Energy | 2018 | 12 | 22 | S.R.K.R. Engineering College |
| Evaluation of fatigue life of aluminum alloy wheels under radial loads | Raju P.R., Satyanarayana B., Ramji K., Babu K.S. | Engineering Failure Analysis | 2018 | 12 | 48 | S.R.K.R. Engineering College |

[View File](#)

3.4.7 – Faculty participation in Seminars/Conferences and Symposia during the year

| Number of Faculty | International | National | State | Local |
|-----------------------------|---------------|----------|-------|-------|
| Attended/Seminars/Workshops | 38 | 289 | 12 | 20 |
| Presented papers | 58 | 10 | Nill | Nill |
| Resource | 1 | 1 | Nill | Nill |

persons

[View File](#)

3.5 – Consultancy

3.5.1 – Revenue generated from Consultancy during the year

| Name of the Consultan(s) department | Name of consultancy project | Consulting/Sponsoring Agency | Revenue generated (amount in rupees) |
|-------------------------------------|-----------------------------|---|--------------------------------------|
| Civil Engineering | Income from Wet Center | Individuals, Contractors, Local Government Agencies | 60357 |
| Civil Engineering | Income from GT Lab | Individuals, Contractors, Local Government Agencies | 1541595 |
| Civil Engineering | Income from SM.Lab | Individuals, Contractors, Local Government Agencies | 612231 |
| Civil Engineering | Income from TE Lab | Individuals, Contractors, Local Government Agencies | 41000 |
| Civil Engineering | Income from Surveying Lab | Individuals, Contractors, Local Government Agencies | 42000 |
| Civil Engineering | Income from EE Lab | Individuals, Contractors, Local Government Agencies | 1000 |

[View File](#)

3.5.2 – Revenue generated from Corporate Training by the institution during the year

| Name of the Consultan(s) department | Title of the programme | Agency seeking / training | Revenue generated (amount in rupees) | Number of trainees |
|---|------------------------|---------------------------|--------------------------------------|--------------------|
| No Data Entered/Not Applicable !!! | | | | |

[View File](#)

3.6 – Extension Activities

3.6.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

| Title of the activities | Organising unit/agency/ collaborating agency | Number of teachers participated in such activities | Number of students participated in such activities |
|------------------------------|--|--|--|
| Yoga Day 2019 | SRKREC NSS Unit | 22 | 228 |
| Blood donation camp | SRKREC NSS Unit | 10 | 30 |
| Addressing the Conference on | UBA PROGRAMME, S R K R Engineering | 8 | 12 |

| | | | |
|--|--|----|------|
| Farmers Action Committee | College | | |
| Adopted five villages under unnat bharat abhiyan program | UBA PROGRAMME, S R K R Engineering College | 6 | 69 |
| SRKREC Student projects demonstrated to Govt. High school Students | S R K R Engineering College | 10 | 55 |
| To identifying the community related problems in villages | S R K R Engineering College | 10 | 238 |
| Drug Free India Campaign | S R K R Engineering College | 54 | 1438 |
| Science Fair Exhibition for school students | S R K R Engineering College | 4 | 12 |
| Advance Meditation course | PAIE, S R K R Engineering College | 12 | 87 |
| YES Program conducted for students | PAIE, S R K R Engineering College | 6 | 396 |

[View File](#)

3.6.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

| Name of the activity | Award/Recognition | Awarding Bodies | Number of students Benefited |
|---|--|--|------------------------------|
| State Level Fintech College Connect Start-up Challenge 2018 | Won First Prize of Rs. 75,000/- | Govt. of Andhra Pradesh | 4 |
| State Level Fintech College Connect Start-up Challenge 2018 | Won Third Prize of Rs. 25,000/- | Govt. of Andhra Pradesh | 2 |
| State Level Start-up India Andhra Pradesh Idea Competition | Won First Prize of Rs. 75000/- | Govt. of Andhra Pradesh | 3 |
| Technology Innovation | Won 1st prize in category | Mahindra and Mahindra, pithampur, Indore | 24 |
| NPTEL | Top 5 Topper in NPTEL Microprocessors Microcontrollers Subject | NPTEL | 1 |

| | | | |
|--|--|-------------------------------|----|
| Fellowship Received from the Stanford University | Stanford University | Stanford University, USA | 4 |
| Students Trained Program on Machine Learning and Nano Technology | Certified Professional in the Training | CM SKILL Centre, APSSDC. | 17 |
| Students won Gold medal at National Level Design Competition | Students won Gold medal | National Design Research Form | 4 |
| Women Entrepreneur Category in Start up INDIA 2018 | Women Entrepreneur Category | AP State Innovation Society | 3 |
| View File | | | |

3.6.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

| Name of the scheme | Organising unit/Agency/collaborating agency | Name of the activity | Number of teachers participated in such activities | Number of students participated in such activities |
|---------------------------|---|--|--|--|
| Gender Issue | SRKR Engineering College | Women Voter awareness Rally | 15 | 85 |
| Gender Issue | SRKR Engineering College | Laws made tough to protect women says DSP | 10 | 324 |
| Gender Issue | SRKR Engineering College | Established GYM for Girl students and Women Faculty | 8 | 34 |
| Gender Issue | SRKR Engineering College | International Womens Day Celebrations | 9 | 80 |
| Gender Issue | SRKR Engineering College | Project PAVIT HRA-Awareness about Menstrual Cycles | 11 | 50 |
| Gender Issue | SRKR Engineering College | Awareness about Legal Rights of Women and Gender Equity issues | 12 | 256 |
| Gender Issue | SRKR Engineering College | Balance for Better | 10 | 160 |
| View File | | | | |

3.7 – Collaborations

3.7.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

| Nature of activity | Participant | Source of financial support | Duration |
|---------------------------|---------------------------|-----------------------------------|----------|
| Student Exchange | CH.Mahesh Chandra | Germany Indo Euro Synchronization | 8 |
| Student Exchange | B.Kumar Raja | Germany Indo Euro Synchronization | 8 |
| Student Exchange | K.Sai Vamsi Krishnam Raju | Germany Indo Euro Synchronization | 8 |
| View File | | | |

3.7.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

| Nature of linkage | Title of the linkage | Name of the partnering institution/ industry /research lab with contact details | Duration From | Duration To | Participant |
|-------------------|--------------------------------|---|---------------|-------------|-------------|
| Internship | Industry-Institute Interaction | Southern Power, Ongole, Contact:094408 17491 | 06/06/2018 | 10/06/2018 | 2 |
| Internship | Industry-Institute Interaction | BSNL, Bhimavaram, Contact:088162900 05. | 05/06/2018 | 10/06/2018 | 2 |
| Internship | Industry-Institute Interaction | Infochord Technologies Pvt. Ltd, Hyderabad, Contact:08099 6 36946 | 20/05/2019 | 11/06/2019 | 1 |
| Internship | Industry-Institute Interaction | Bennett University, Contact:1800 103 8484 | 27/05/2019 | 21/06/2019 | 1 |
| Internship | Industry-Institute Interaction | G S Alloys Castings Ltd, Vijayawada, Contact: 0866 240 0035 | 20/05/2019 | 06/06/2019 | 4 |
| Internship | Industry-Institute Interaction | Visakhapatnam Steel Plant, Visakhapatnam, Contact:0891251 8426 | 20/05/2019 | 03/06/2019 | 12 |
| Internship | Industry-Institute Interaction | VTPS, Vijayawada, Contact:0866 -2882203 | 20/05/2019 | 01/06/2019 | 23 |

| | | | | | |
|---------------------------|--------------------------------|--|------------|------------|----|
| Internship | Industry-Institute Interaction | ECIL, Hyderabad, Contact:040-27182202 | 09/05/2019 | 09/06/2019 | 7 |
| Internship | Industry-Institute Interaction | Hindustan Shipyardt, Visakhapatnam, Contact:0891-2577404 | 06/05/2019 | 26/05/2019 | 14 |
| Internship | Industry-Institute Interaction | BHEL, Hyderabad, Contact:040-23182227 | 06/05/2019 | 20/05/2019 | 8 |
| View File | | | | | |

3.7.3 – MoUs signed with institutions of national, international importance, other institutions, industries, corporate houses etc. during the year

| Organisation | Date of MoU signed | Purpose/Activities | Number of students/teachers participated under MoUs |
|--|--------------------|---|---|
| Dassault Systems 3D Experience Centre-Andhra Pradesh State Skill Development Corporation (APSSDC), Govt. of Andhra Pradesh | 07/08/2018 | To establish Dassault Systems 3D Experience Centre | 109 |
| Lucerne University of Applied Sciences and Arts, School of Information Technology, Switzerland | 17/11/2018 | For student and staff exchange, internships and research | 6 |
| Department of Computer Science of University Verona, Italy | 06/12/2018 | For students and staff exchange scientific cooperation in research projects etc | 4 |
| University of Jean, Spain | 25/08/2018 | For student, staff exchange and academic cooperation | 2 |
| Wroclaw University of Science and Technology, Poland | 06/02/2018 | Cooperation in the field of education and research | 3 |
| Andhra Pradesh State Skill Development Corporation (APSSDC) and | 07/02/2019 | To skill the engineering graduates in Mechatronics and Industrial Robotics | 80 |

| | | | |
|---|------------|---|----|
| European Centre for Mechatronics APS GMBH | | | |
| National Research Development Corporation (NRDC), an Enterprise of Department of Scientific Industrial Research, Ministry of Science Technology, Govt. of India | 05/07/2018 | For IPR related activities | 2 |
| Microchip Academic Program Regional Training Center, India | 13/02/2019 | Joint Centre of Excellence to provide platform for exploring state of art technology, technical training, IPR and development of products | 5 |
| National Remote Sensing Center ,ISRO,Hyderabad Ltd, Kashmere Gate, Delhi | 11/04/2018 | Collection of ground truth data of various lulc classes(such as agricultural land,p lantation,water body etc | 30 |
| Andhra Pradesh Space Applications Centre, Vijayawada, Andhra Pradesh | 03/04/2018 | Technical collaboration for takingup joint research operational activities | 6 |
| View File | | | |

CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

| Budget allocated for infrastructure augmentation | Budget utilized for infrastructure development |
|--|--|
| 870 | 679.66 |

4.1.2 – Details of augmentation in infrastructure facilities during the year

| Facilities | Existing or Newly Added |
|-----------------------------------|-------------------------|
| Campus Area | Existing |
| Class rooms | Newly Added |
| Laboratories | Newly Added |
| Seminar Halls | Existing |
| Classrooms with LCD facilities | Newly Added |
| Seminar halls with ICT facilities | Existing |

| | |
|--|-------------|
| Video Centre | Existing |
| Value of the equipment purchased during the year (rs. in lakhs) | Newly Added |
| Number of important equipments purchased (Greater than 1-0 lakh) during the current year | Newly Added |
| Classrooms with Wi-Fi OR LAN | Newly Added |
| No file uploaded. | |

4.2 – Library as a Learning Resource

4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

| Name of the ILMS software | Nature of automation (fully or partially) | Version | Year of automation |
|---------------------------|---|---------|--------------------|
| Bees ERP technologies | Fully | 2018 | 2010 |

4.2.2 – Library Services

| Library Service Type | Existing | | Newly Added | | Total | |
|---------------------------|----------|----------|-------------|---------|-------|----------|
| | | | | | | |
| Text Books | 49546 | 14027351 | 1071 | 469414 | 50617 | 14496765 |
| Reference Books | 4770 | 1345895 | 92 | 40395 | 4862 | 1386290 |
| e-Books | Nil | Nil | 1 | 296446 | 1 | 296446 |
| Journals | 102 | 3991516 | Nil | 227182 | 102 | 4218698 |
| e-Journals | Nil | Nil | 9 | 1701944 | 9 | 1701944 |
| Digital Database | 1 | 90000 | Nil | Nil | 1 | 90000 |
| CD & Video | 2759 | Nil | 76 | Nil | 2835 | Nil |
| Others (specify) | 44332 | Nil | 2864 | Nil | 47196 | Nil |
| View File | | | | | | |

4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

| Name of the Teacher | Name of the Module | Platform on which module is developed | Date of launching e-content |
|---------------------------|---------------------------------|---------------------------------------|-----------------------------|
| Mr. P. Vijaykumar | Lecture on Communication skills | Lecture Capturing System | 12/07/2018 |
| Mr. P. Vijaykumar | Lecture on Phonetics | Lecture Capturing System | 11/02/2019 |
| View File | | | |

4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

| Type | Total Computers | Computer Lab | Internet | Browsing centers | Computer Centers | Office | Departments | Available Bandwidth (MBPS/GBPS) | Others |
|--------------|-----------------|--------------|------------|------------------|------------------|-----------|-------------|---------------------------------|-----------|
| Existing | 1780 | 852 | 417 | 570 | 191 | 50 | 86 | 417 | 31 |
| Added | 127 | 87 | 197 | 30 | 0 | 2 | 1 | 197 | 7 |
| Total | 1907 | 939 | 614 | 600 | 191 | 52 | 87 | 614 | 38 |

4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)

| |
|----------------|
| 614 MBPS/ GBPS |
|----------------|

4.3.3 – Facility for e-content

| Name of the e-content development facility | Provide the link of the videos and media centre and recording facility |
|--|---|
| Lecture Capturing System | https://drive.google.com/file/d/13vIdXjYFIFwJBwIPFT9lVNJ3nICJVeEu/view?usp=sharing |
| Lecture Capturing System | https://drive.google.com/file/d/181ASJ7kPs4pWKZagY9NfocorokjOxYF/view?usp=sharing |
| Lecture Capturing System | https://drive.google.com/file/d/1Y-AEp8Bc2Td3MelqoQicdgelBjbI2W9S/view?usp=sharing |

4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

| Assigned Budget on academic facilities | Expenditure incurred on maintenance of academic facilities | Assigned budget on physical facilities | Expenditure incurred on maintenance of physical facilities |
|--|--|--|--|
| 448.54 | 361.32 | 600 | 561.01 |

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website)

The SRKREC is having construction and maintenance section which is headed by the college engineer and accompanying with skilled technicians. This section takes responsibility to maintenance the infrastructural facilities which include plumbing works, electrical, masonry and sewage works. The construction and maintenance section receives maintenance requirements from the departments and other sections in the campus through proper channel (under the directions of the head of the departments and head of the sections). The engineer is taking the responsibility to provide the maintenance requirements to the requested departments and other sections in the campus by internal operating procedures. Internal operating procedure: ? Any problem that persists in a department/section is communicated to the head of the departments/sections via letter/e-mail. ? The head of the departments/sections assigns a skilled person/technician to focus the problem. ? The skilled person/technician

resolves the problem on field if there is no additional material is required. ? In case any additional material is needed, it is received from the maintenance section via an indent. ? If the material is not available in the campus, the permission is to be obtained from the head of the Institution. Infrastructural Maintenance: The maintenance of buildings, furniture and electrical facilities are comes under the Infrastructural maintenance. ? The Maintenance of the pipe lines of water, fittings of sanitary and minor masonry works are carried out by the internal operating procedure. ? The construction and maintenance section maintains the services including fabrication of cabinets, desks, counter tops and the installation of doors and windows. ? The log book is used to record the condition / status of electrical equipments such as Generator, UPS, and Batteries. The suppliers/service providers are contacted in case of any major fault. ? The traditional electrical maintenance works like lighting, fans and motors in the campus are carried out by the internal operating procedure. ? Any major maintenance or replacement works related to infrastructure are executed by the external peoples on contract basis. Academic Facilities Maintenance: ? Every department maintains the faculty in charge who will periodically check the condition of class room/laboratory amenities like benches, chairs, black boards, fans, lights and LCD's. The in charge resolves the problem by the internal operating procedure. ? The equipments, computers and software's in the laboratories are maintained by laboratory in charges. The suppliers/service providers are contacted in case of any faults under the direction of the heads of the departments. If there is no additional material is required from outside, the permission is to be obtained from the head of the Institution. Supporting Facilities Maintenance: ? In order to provide a congenial learning environment in the campus, the adequate man power is employed to maintain cleanliness of the college. The class rooms, staff rooms, seminar halls and Laboratories, etc are cleaned and maintained regularly. Wash rooms and rest rooms are well maintained. ? The campus is maintained greenery under the presence of full time gardeners. ? The college security maintenance is under surveillance of Cameras.

http://www.srkrec.edu.in/files/mandates/naac/maintenance_policy_1.pdf

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

| | Name/Title of the scheme | Number of students | Amount in Rupees |
|--------------------------------------|---|--------------------|------------------|
| Financial Support from institution | O Bala Tripurasundari Merit Scholarship | 2 | 50000 |
| Financial Support from Other Sources | | | |
| a) National | e- Pass, Pragathi, NSP, Saksham | 4628 | 224326400 |
| b) International | Nil | Nil | Nil |
| View File | | | |

5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

| Name of the capability enhancement scheme | Date of implemetation | Number of students enrolled | Agencies involved |
|---|-----------------------|-----------------------------|------------------------------------|
| Carrer Prospects in Core Engineering | 26/03/2019 | 300 | K Narayana Rao VP-HR, NCC Ltd, HYD |

| | | | |
|--|------------|-----|--|
| BEC (Business English Certification) | 19/01/2019 | 122 | Cambridge University (CUP) |
| Advance Meditation course | 21/03/2019 | 99 | SRKREC Art of Living International Centre, Bangalore |
| Sankranti sambaralu 2019: Cultural programs and traditional events | 15/01/2019 | 896 | SRKREC |
| International Yoga day | 21/06/2018 | 250 | SRKREC Art of Living International Centre, Bangalore |
| View File | | | |

5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

| Year | Name of the scheme | Number of benefited students for competitive examination | Number of benefited students by career counseling activities | Number of students who have passed in the comp. exam | Number of students placed |
|---------------------------|---|--|--|--|---------------------------|
| 2018 | Competitive examinations and Career Counselling/Placements/Higher education | 482 | 4034 | 37 | 459 |
| View File | | | | | |

5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

| Total grievances received | Number of grievances redressed | Avg. number of days for grievance redressal |
|---------------------------|--------------------------------|---|
| 1 | 1 | 20 |

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

| On campus | | | Off campus | | |
|-------------------------------|---------------------------------|---------------------------|--|---------------------------------|---------------------------|
| Name of organizations visited | Number of students participated | Number of students placed | Name of organizations visited | Number of students participated | Number of students placed |
| TCS | 662 | 76 | Grama Sachivalayam, govt of Andhra Pradesh | 50 | 42 |

[View File](#)

5.2.2 – Student progression to higher education in percentage during the year

| Year | Number of students enrolling into higher education | Programme graduated from | Depratment graduated from | Name of institution joined | Name of programme admitted to |
|------|--|--------------------------|--|------------------------------------|-------------------------------|
| 2019 | 2 | B. Tech. | Civil Engineering | NIT warangal | M.Tech. Water Resources Engg. |
| 2019 | 1 | B. Tech. | Civil Engineering | IIT Kharagpur | M. Tech Structures |
| 2019 | 1 | B. Tech. | Mechanical Engineering | NIT, Warangal | M.Tech |
| 2019 | 1 | B. Tech. | Mechanical Engineering | NIT, Durgapur | M.Tech |
| 2019 | 1 | B. Tech. | Mechanical Engineering | IIT, Kanpur | M.Tech |
| 2019 | 1 | B. Tech. | Electrical and Electronics Engineering | NIT, Goa | M.Tech |
| 2019 | 1 | B. Tech. | Electrical and Electronics Engineering | IIT Kharagpur | M.Tech |
| 2019 | 1 | B. Tech. | Electronics and Communications Engineering | Bits, Hyderabad | M.Tech |
| 2019 | 1 | B. Tech. | Electronics and Communications Engineering | Andhra University | M.Tech |
| 2019 | 1 | B. Tech. | Information Technology | AU College of Engg, Vis hakapatnam | M Tech |

[View File](#)

5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

| Items | Number of students selected/ qualifying |
|-----------|---|
| GATE | 25 |
| GRE | 5 |
| TOFEL | 1 |
| Any Other | 6 |

[View File](#)

5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

| Activity | Level | Number of Participants |
|--|-------------------|------------------------|
| Foot ball (5-A side) (Students men)Foot ball (5-A side) (Students men) | Institution level | 30 |
| Table tennis (Students men) | Institution level | 19 |
| Carroms (Students men) | Institution level | 37 |
| Shuttle batminton (Singles) (Students men) | Institution level | 94 |
| Volley ball (Students men) | Institution level | 64 |
| Basket ball (Students men) | Institution level | 48 |
| Throw ball (Student Women) | Institution level | 80 |
| Chess (Staff Women) | Institution level | 8 |
| Cricket (Staff men) | Institution level | 60 |
| SRKR Memorial Cricket Cup (Principal cup) (Students men) | Institution level | 84 |

[View File](#)

5.3 – Student Participation and Activities

5.3.1 – Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one)

| Year | Name of the award/medal | National/ International | Number of awards for Sports | Number of awards for Cultural | Student ID number | Name of the student |
|------|-------------------------|----------------------------|-----------------------------|-------------------------------|-------------------|-----------------------------|
| 2018 | Gold medal | National | 1 | Nil | 31517512 089 | G. Gowtham |
| 2018 | Bronze | National | 1 | Nil | 160104082 | G. S. S. T. Pravalika |

[View File](#)

5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

The college maximizes the participation of students in the committees. The students are active members in committees like Board of Studies, Internal Quality Assurance Cell, Student affairs committee, Institute Innovation Council, Sports Committee, Anti-ragging committee, Anti-Sexual Harassment Committee etc. Apart from these committees, the students are involved in various professional bodies like ISTE, CSI, IETE etc., where the students organize and participate in technical events. The student inputs are considering in formulating the Vision and Mission of the College and departments as well as designing the PEOs of Department. The student inputs are taken in designing the curriculum through the curriculum based feedback. Further, the students are performed volunteer service in the NSS activities. The students are also performing the class representative (CR) roles to

represent their issues and concerns related to academic and administrative matters and network between the student's vs faculty for a healthy and happy environment in the campus. The students are also involved in awareness programs about Ragging Act.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

SRKREC Alumni Association was registered with Register of Societies, Hyderabad on 27/6/2017 with Register No 1037 of 2007. Later, after bifurcation of the state, the Association was re-registered with Registration of Societies, Bhimavaram, on 07/4/2016. The Association is conducting Alumni meets and activities like Soft Skills Training Programme, Food Coupons to Poor Students and the Scholarships to merit students etc.

5.4.2 – No. of registered Alumni:

5

5.4.3 – Alumni contribution during the year (in Rupees) :

472226

5.4.4 – Meetings/activities organized by Alumni Association :

1. 1989-93 Batch Silver Jubilee Reunion (21-12-2018) 2. 1985-89 Batch Mechanical Students Reunion (22-12-2018) 3. Soft Skills Training Programme For 435 Final Year Students from 12-08-2018 to 17-08-2018. 4. Scholarships given for merit students by Oruganti Bharath on 16-08-2018. 5. Providing Food Coupons for 65 Students.

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

The SRKREC has a well formulated decentralization system to conduct various activities of administration and academics. The college encourages participatory management at different levels via governing academic and administrative activities in uniform way as much as possible. In order to effective administering in the college, various statutory and non statutory committees are established. The statutory committees such as Governing Body, Academic Council, Board of Studies and Finance Committee are constituted with the members from management, head of the institution, faculty, university nominees, industry members and academicians from various Institutions. The Non statutory committees such as Planning and Evaluation committee, Admission Committee, Audit Committee, Internal Quality Assurance Cell, College Academic committee, Student affairs committee, Disciplinary Committee, Ant-ragging Committee, Grievance Redressal Committee, Anti-Sexual Harassment Committee, Women Grievance Redressal Committee, Examination Committee, Results Committee, Malpractice Committee, Research amp Development Committee, Faculty Review Committee, Library Committee, Sports Committee, Entrepreneurship Development Committee, SC/ST Cell, NSS Committee e.t.c., are formulated with the members from Principal, Deans, HODs, Faculty, Staff and Students. These committees are working to fulfil the vision and mission of the institute. The roles and responsibilities are described for each committee.

6.1.2 – Does the institution have a Management Information System (MIS)?

Yes

6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

| Strategy Type | Details |
|--------------------------------------|--|
| Admission of Students | The admissions will be done through two categories such as category-A and category-B. The 70 of the seats are filled through category-A (convener quota). The rest of the 30 seats are filled through category-B. For UG admissions, the students have to qualify the AP-EAMCET examination that will be conducted by the A.P. State Govt. and follows the counseling procedure. The lateral entry admissions for second year of UG will be done through E-CET examination. For PG admissions, the students have to qualify GATE and PG-CET examinations. |
| Industry Interaction / Collaboration | The institute maintains effective cordial relations with reputed IT software companies and core engineering companies. The institute organizes guest talks/workshops by industry experts in software and core-engineering domains. The institute is committed to improve skills of the students by providing the internship opportunities and industrial visits. Further, the institute is providing various placement opportunities and relations with alumni as well as provides entrepreneurship skills to the students in setting up various Start-Ups. |
| Human Resource Management | The institute takes utmost care to manage the human resources very effectively and efficiently. The recruitment procedures, service rules and promotion policies are made transparent and employees are benefitted with CL, EL, ML and EPF. Employee's salary will be credited in the bank account directly. Pay slips are issued to the employees every month. The superannuation benefits are also provided promptly. The responsibilities and rights of the staff are respected and protected. Best efforts are made to retain all well qualified and competent teachers and the college ensures that its faculty, whether permanent or ad-hoc, gets its due rights. The institute encourages the staff to attend Orientation |

programs, FDPs, workshops/conferences/seminars conducted by premium institutes to upgrade and update the knowledge. The institute provides a very congenial environment for efficient working.

Library, ICT and Physical Infrastructure / Instrumentation

Institutional library, GCC and digital learning centre are as main resource centers for collection of Books, Journals, e-books, e-journals and NPTEL videos. We have ICT infrastructure facilities like Desktops, printers, internet facility, software, exclusive servers, UPS for Labs and LCD projectors for E-Class rooms.

Research and Development

The institute has taken a commitment to have 100 Ph.D. faculties by 2030. Towards reaching this goal, the faculties are encouraged to register for Part-time Ph.D. The college also supports publication of research articles in journals and conferences by giving cash awards to faculty members. Each department is established one research centre to carry out an academic research. The centre for research and development also shares information with the concerned departments and research centers regarding funding opportunities at the national level and international level for research projects.

Examination and Evaluation

Examination cell comprises two sections viz. (i) Examination section and (ii) Confidential section. Examination section conducts the theory examinations and confidential Section procures answer scripts and question papers, conducts evaluation and announces results. The chief superintendent along with staff and faculty invigilators conducts examinations. Subject moderator validates question papers. The external valuers evaluate the answer books at the spot. Coordinator conducts evaluation. Scrutiny is done parallel with evaluation. Semester end lab examinations are conducted by the internal and external examiners. Results sheets are compiled for each student showing the grades for the semester. The Supplementary examinations are conducted for each semester. Our examination section was IT integrated with I-campus automation

| | |
|------------------------|--|
| | software. |
| Teaching and Learning | <p>Our college stands on the excellent teaching and learning practices. Without eliminating the traditional chalk and talk methods, the institution employs several innovative teaching and learning methods to cater to the needs of today's modern student. The teaching methods employed include: 1. Printed materials like Note books, lab manuals, handouts etc. 2. Teaching with ICT Facilities 3. NPTEL Materials 5. Different sets of quality assignments 6. Feedback on faculty by students 7. Encouragement to attend workshops, technical symposiums etc. 8. Internships 9. Digital Library 10. Tutorials 11. Remedial Classes 12. Guest Lectures</p> |
| Curriculum Development | <p>SRKR Engineering College always strives to see that the curriculum meets the expectations of the stakeholders. The SRKR Engineering College is also adopted the outcome based education system in all of the programmes. To develop or modify the curriculum, the process is initiated by formulating a Board of Studies. Boards of Studies meetings are conducted frequently to frame/revise the Syllabus. The inputs from all the stakeholders are taken into consideration to improve the standard of the curriculum. The SRKR Engineering College conscientiously develops action plans for effective implementation of the curriculum.</p> |

6.2.2 – Implementation of e-governance in areas of operations:

| E-governance area | Details |
|--------------------------|--|
| Planning and Development | <p>Library section is automated with ERP software i.e., BeeS Campus Soft Automation. The Information (regular notices to the students) is disseminated with SMS System software i.e, Bulk SMS software from Entro Labs IT Solutions PVT. LTD.</p> |
| Administration | <p>1. The Govt. Funds expenditure is regularly uploaded in the PFMS portal. 2. The circulars and notices are uploaded in the institution website and also disseminated to departments through e-mail from the principal office. 3. The Salary of Teaching and Non-teaching staff are directly credited into their accounts</p> |

| | |
|-------------------------------|---|
| Finance and Accounts | The financial transactions are carried out by online. |
| Student Admission and Support | 1. The state Govt. of AP is allocated the students by online mode through EAMCET. 2. The ERP management system is used to maintain the student's database. 3. The curriculum, syllabus and Academic calendar are uploaded in the college website. 4. The daily automatic SMS alerts are sent to the parents whenever they are absent to class. 5. SMS alerts are sent to the parents to disseminate the important information. |
| Examination | The confidential section of examination cell is consisting of I-campus software for performing various activities. I-Campus examination module 1. Generation of OMR number and sheet recognition (with hand written digits) 2. IAS recognition (auto images cropping and extraction) I-Campus online portal 3. Student registrations 4. Exam notifications with SMS, e-mail alerts 5. Result analysis is branch wise and subject wise 6. Exam registrations using payment gateway(Through Bill desk) 7. Revaluation and supplementary registrations using payment gateway 8. Generation of hall tickets, D-forms, nominal rolls 9. Student dashboard 10. Generation of grade sheets 11. Student password resetting 12. Student fee structure 13. Generation of consolidated grade sheets Generation of PC and CMM |

6.3 – Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

| Year | Name of Teacher | Name of conference/ workshop attended for which financial support provided | Name of the professional body for which membership fee is provided | Amount of support |
|------|---------------------|--|--|-------------------|
| 2018 | K.Chalapathi Raju | Research Methodology Workshop | N/A | 6000 |
| 2018 | M.Harikrishnam Raju | Research Methodology Workshop | N/A | 6000 |
| 2019 | T.Vamsi Naga Raju | Indian geotechnical conference | N/A | 16108 |
| 2019 | E.Ramanjaneya | CEPGID | N/A | 2137 |

| | | | | |
|---------------------------|------------------------|----------------------------|-----|------|
| | Raju S. Srikanth Reddy | | | |
| 2019 | Ch.Someswararao | IJFT | N/A | 3000 |
| 2019 | R.Siva Shanker | IJFT | N/A | 3000 |
| 2018 | P. V. Rambabu | Membership Fee for Journal | N/A | 9500 |
| 2018 | G.Nagaraju | Membership Fee for Journal | N/A | 9500 |
| 2018 | Muzeeb Khan patan | Membership Fee for Journal | N/A | 9500 |
| 2018 | M.Sai veerraju | Membership Fee for Journal | N/A | 9500 |
| View File | | | | |

6.3.2 – Number of professional development / administrative training programmes organized by the Colleges for teaching and non teaching staff during the year

| Year | Title of the professional development programme organised for teaching staff | Title of the administrative training programme organised for non-teaching staff | From date | To Date | Number of participants (Teaching staff) | Number of participants (non-teaching staff) |
|------|--|---|------------|------------|---|---|
| 2018 | Additive Manufacturing | NA | 13/07/2018 | 14/07/2018 | 34 | 2 |
| 2018 | Research Methodology and Statistical Analysis, 6-day Refresher program sponsored by ISTE/AICTE-Induction/Refresher program conducted at IT Department, SRKREC, Bhimavaram. | NA | 09/07/2018 | 14/07/2018 | 55 | 2 |
| 2018 | Machine Learning evaluate Predictive data analytics | NA | 23/07/2018 | 28/07/2018 | 55 | 3 |

| | | | | | | |
|------|---|----|------------|------------|----|---|
| | Sponsored by DST-SERB, conducted at IT Department, SRKREC, Bhimavaram | | | | | |
| 2019 | Innovations in Materials and Manufacturing | NA | 01/03/2019 | 01/03/2019 | 40 | 3 |
| 2019 | Hands-on Workshop on ASIC/FPGA Design and its Applications | NA | 24/06/2019 | 29/06/2019 | 40 | 2 |
| 2019 | Hands-on Workshop on Internet of Things (IOT) | NA | 18/03/2019 | 23/03/2019 | 58 | 2 |
| 2019 | Deep Learning and Big Data Analytics (DLBDA) | NA | 02/11/2019 | 14/11/2019 | 54 | 3 |
| 2019 | Digital Image processing for Medical Images(DIPMI) | NA | 05/08/2019 | 17/08/2019 | 54 | 3 |

[View File](#)

6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

| Title of the professional development programme | Number of teachers who attended | From Date | To date | Duration |
|---|---------------------------------|------------|------------|----------|
| Design of Structures - A Practical Approach | 1 | 26/11/2018 | 30/11/2018 | 5 |
| Electronic Waste Management-Issues And Challenges | 3 | 01/01/2019 | 01/02/2019 | 28 |

| | | | | |
|---|---|------------|------------|----|
| Geoenvironmental engineering landfills, slurry ponds and contaminated sites | 1 | 10/10/2018 | 22/10/2018 | 13 |
| View File | | | | |

6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

| Teaching | | Non-teaching | |
|-----------|-----------|--------------|-----------|
| Permanent | Full Time | Permanent | Full Time |
| 20 | 20 | Nil | Nil |

6.3.5 – Welfare schemes for

| Teaching | Non-teaching | Students |
|---|---|---|
| Teaching Staff: Gratuity Benefit, EPF, Group Insurance, 50 percentage concession for Health Insurance, Maternity Leave for 90 days, Paid study leaves for PhD Part-time Course Work, Seed money allocation to conduct conferences, workshops, seminars and reimbursement of fee for paper publications. | Gratuity Benefit, EPF, Group Insurance, 50 percentage concession for Health Insurance, Maternity Leave for 90 days. | Medical insurance, Gold and Silver medal for best outgoing students, Merit Scholarships, Prizes for best technical paper presentation, Financial support for innovative projects, Free Medical facility, Financial support for Stanford university UIF program expenses |

6.4 – Financial Management and Resource Mobilization

6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

The SRKREC is having accounts department to record the daily financial transactions. It also prepares all financial statements and submits to the statutory bodies when they requested. The SRKREC is conducting both Internal and External audits. The head of the institution constitutes internal audit committee with three members. The committee checks Cashbook, Bank accounts, Ledgers, Bills, Vouchers, and statement of cash position and cash flow physically and conducts sample check on the heads of various accounts, balance dates, and postings. The external Audit is conducted by Mr. K Rama Chandra Raju, Chartered Accountant, Hyderabad. The reports of conducted annual audit are submitted to the management/governing body. The Finance Committee ratifies these audit reports.

6.4.2 – Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

| Name of the non government funding agencies /individuals | Funds/ Grnats received in Rs. | Purpose |
|--|-------------------------------|--|
| Individuals Members | 10440100 | To build up new infrastructure to provide academic and physical facilities |

[View File](#)

6.4.3 – Total corpus fund generated

154513668

6.5 – Internal Quality Assurance System

6.5.1 – Whether Academic and Administrative Audit (AAA) has been done?

| Audit Type | External | | Internal | |
|----------------|----------|---|----------|------------------------------------|
| | Yes/No | Agency | Yes/No | Authority |
| Academic | Yes | Reputed Academicians from other Institute | Yes | Departmental Audit Committee |
| Administrative | Yes | Chartered Accountant | Yes | Internal Financial Audit Committee |

6.5.2 – Activities and support from the Parent – Teacher Association (at least three)

1. Induction programs - Explain the college activities to the parents
 2. Regular meetings with parents to improve the student attendance and Students performance
 3. Annual meetings- Identify the problems of students and informed to the parents

6.5.3 – Development programmes for support staff (at least three)

1. CATIA Training 2. CNC Training 3. MS office

6.5.4 – Post Accreditation initiative(s) (mention at least three)

1. Enhanced the faculty development programs and activities.
 2. The number of lifts are increased in the campus.
 3. Established the International collaborations with the support of research sponsoring agencies.

6.5.5 – Internal Quality Assurance System Details

| | |
|--|-----|
| a) Submission of Data for AISHE portal | Yes |
| b) Participation in NIRF | Yes |
| c) ISO certification | No |
| d) NBA or any other quality audit | No |

6.5.6 – Number of Quality Initiatives undertaken during the year

| Year | Name of quality initiative by IQAC | Date of conducting IQAC | Duration From | Duration To | Number of participants |
|------|--|-------------------------|---------------|-------------|------------------------|
| 2018 | AICTE-ISTE Sponsored FDP Program- Research Methodology and Statistical Analysis. | 09/07/2018 | 09/07/2018 | 14/07/2018 | 55 |
| 2018 | Workshop- Machine Learning Evolve Predictive Data | 23/07/2018 | 23/07/2018 | 28/07/2018 | 55 |

| | | | | | |
|---------------------------|---|------------|------------|------------|----|
| | Analytics | | | | |
| 2018 | Workshop- Preliminary Aspects of Soft Computing Techniques. | 29/11/2018 | 29/11/2018 | 01/12/2018 | 60 |
| 2018 | Workshop- Emerging Trends in Knowledge Societies: Universities/ Institutes their social responsibilities organized on Unnat Bharat Abhiyan Cell | 21/12/2018 | 21/12/2018 | 21/12/2018 | 36 |
| View File | | | | | |

CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

| Title of the programme | Period from | Period To | Number of Participants | |
|--|-------------|------------|------------------------|------|
| | | | Female | Male |
| Awareness about Legal Rights of Women and Gender Equity issues | 27/11/2018 | 29/11/2018 | 204 | 64 |
| Balance for Better | 08/03/2019 | 08/03/2019 | 160 | 10 |
| Established Gym for Girl students and women Faculty | 25/11/2018 | 25/11/2018 | 42 | Nil |
| International Women's day | 08/03/2019 | 08/03/2019 | 81 | 8 |
| Laws made tough to protect women says DSP | 14/08/2018 | 14/08/2018 | 325 | 9 |
| Project Pavitra-Awareness about menstrual cycles. | 06/04/2019 | 07/04/2019 | 48 | Nil |
| Women Voter awareness Rally | 08/03/2019 | 08/03/2019 | 90 | 10 |

| | | | | |
|---|------------|------------|---|-----|
| Women Entrepreneurs category in start up India 2018 | 09/09/2018 | 11/09/2018 | 2 | Nil |
|---|------------|------------|---|-----|

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

| |
|---|
| Percentage of power requirement of the University met by the renewable energy sources |
| Power requirement met by renewable energy sources: 92,155 Total power requirement for college: 6,80,678 Percentage of power requirement of the College met by the renewable energy sources: 13.53 Renewable energy source: Solar (Note: Calculations based on the 2018 calendar year) |

7.1.3 – Differently abled (Divyangjan) friendliness

| Item facilities | Yes/No | Number of beneficiaries |
|--|--------|-------------------------|
| Physical facilities | Yes | 8 |
| Provision for lift | Yes | 8 |
| Ramp/Rails | Yes | 8 |
| Braille Software/facilities | No | Nil |
| Rest Rooms | Yes | 8 |
| Scribes for examination | Yes | 2 |
| Special skill development for differently abled students | No | Nil |
| Any other similar facility | No | Nil |

7.1.4 – Inclusion and Situatedness

| Year | Number of initiatives to address locational advantages and disadvantages | Number of initiatives taken to engage with and contribute to local community | Date | Duration | Name of initiative | Issues addressed | Number of participating students and staff |
|------|--|--|------------|----------|--|--|--|
| 2019 | 1 | 1 | 19/02/2019 | 1 | Drug Free India Campaign | Awareness Program on consequences of drug utilization | 1492 |
| 2019 | 1 | 1 | 19/05/2018 | 1 | Adopted five villages under unnat bharat abhiyan | To transfer the technology to rural villages by identi | 75 |

| | | | | | | | |
|------|---|---|------------|----|--|--|-----|
| | | | | | program | ifying the issues through baseline survey | |
| 2018 | 1 | 1 | 01/10/2018 | 1 | SRKREC Student projects demonstrated to Govt. High school Students | Technology awareness to school students | 65 |
| 2018 | 1 | 1 | 02/09/2018 | 19 | To identifying the community related problems in villages | 15 problems were identified and solved | 248 |
| 2019 | 1 | 1 | 23/02/2019 | 1 | Science Fair Exhibition for school students | To inculcate the knowledge towards innovations | 16 |

[View File](#)

7.1.5 – Human Values and Professional Ethics

| Title | Date of publication | Follow up(max 100 words) |
|-------------------|---------------------|--|
| Service Manual | 04/06/2018 | service Manual for staff is distributed to entire faculty and Non-teaching staff in the college. The service manual is also disseminated in the college website. |
| Student Hand Book | 04/06/2018 | Student Hand Book is distributed to all the students |

7.1.6 – Activities conducted for promotion of universal Values and Ethics

| Activity | Duration From | Duration To | Number of participants |
|--|---------------|-------------|------------------------|
| Motivation program on Time Management for 9th 10th class students of West Berry International School | 19/11/2018 | 19/11/2018 | 100 |

| | | | |
|--|------------|------------|-----|
| Advanced Meditation Course for students and Others | 21/03/2019 | 24/03/2019 | 140 |
| Dussehra Celebrations | 15/10/2018 | 15/10/2018 | 264 |
| Karthika Deepostavam | 16/11/2018 | 16/11/2018 | 350 |
| YES Plus Program conducted for students | 16/07/2018 | 25/07/2018 | 402 |
| Independence Day Celebrations and Retirement ceremony of naval commander | 15/08/2018 | 15/08/2018 | 890 |
| Christmas celebrations | 21/12/2018 | 21/12/2018 | 492 |
| Sankranthi Sambaralu | 15/01/2019 | 15/01/2019 | 896 |
| Republic Day celebrations | 26/01/2019 | 26/01/2019 | 950 |
| International Yoga Day | 21/06/2018 | 21/06/2018 | 250 |
| View File | | | |

7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

1. Seating arrangements have been made in all the green areas of the college to create a green connection for the students when they are out of classwork. Bird Survey has been carried out to enhance the engagement of students with nature. Walking track has been opened to public in the morning and evening to expose the green and environment consciousness to people in all walks of life. 2. Campus access restricted to motor vehicle users during the classwork. Separate parking created at the entrance and around the periphery. Only cycles are allowed, and a pedestrian friendly environment is created. 3. Rain Water harvesting extended to recharge the pond water and also to reduce the salinity reported in the water. This has given positive effect to the growth of vegetation in water. Reverse Osmosis Plant and individual tanks for all buildings have been installed for supplying safe drinking water to all in the college. 4. Compost generation with dry leaves and other biomass on campus along with gaushala biomass has been initiated. The compost generated is used in the Ayurvedic Garden and Nursery. Departments are given responsibility to either handle the waste responsibly with documentation or hand over the waste to the estate office for centralized disposal of waste. 5. Solar Energy Based Street lights have been installed on campus. Solar Water Heating capacity has been increased on the hostels.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

1 Establishment of WIFI, E-journals in the campus. 2. National Level Technical Symposium

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

The S.R.K.R. Engineering College (SRKREC) VISION is focusing on the following areas: • Technology Programs of choice • Producing Quality Engineers • Technology innovations To achieve this vision, the institute is updated the skills of the students through I-Hub in the campus. The college has an educational philosophy that establishes a link between theory and practice. The curriculum of the institute is continuously being innovated upon and refreshed to reflect the latest developments in technology and trends within industry. Pure academics are supplemented by persistent industry engagement through the Practice. SRKREC is an Institution of national repute with a mission to advance knowledge and educate students in science, technology. It is one of the few institutions that have created an institutionalized framework for achieving a vibrant environment that successfully inculcates an ambience for experiential and cooperative learning and education. To achieve the Innovative culture and to establish the industry partnership in the campus SRKREC established an Innovation and Incubation centre (I- hub) in the campus. Innovation Centre in I-Hub: It has been established with an aim to promote innovation and entrepreneurship among students and teaching staff of SRKR Engineering College. The centre concentrates on latest technologies, new idea generation and encourages the students to do prototypes and products in all disciplines of engineering. The SRKR Innovation Centre nurtures innovation, and encourages entrepreneurial talents among students, faculty. It facilitates inter-disciplinary research and provides incubation facilities to start ups and budding entrepreneurs. Innovation Centre has been well equipped with a dedicated computer lab with all necessary facilities. Objectives of Innovation Centre in I-hub: • Encourage students and faculty for innovation, idea generation and product development • Provides seed fund to transform an idea into a product • Arranges workshops for students and faculty in the field of entrepreneurship • Facilitates at least two innovative products that are socially relevant Incubation Centre in I-Hub: This center Develops a mechanism and ecosystem with required infrastructure that can enable students and faculty to innovate and prototype their innovation with support from Govt., industry and SRKR Engineering College and make it possible to become a self-funded innovation centre catering to the needs of young entrepreneurs with innovative ideas of national/international importance and societal needs. Objectives of Incubation Centre in I-Hub: • Encouraging startup companies by the students and the faculty. • To provide a superior environment to the staff and students of the Institute for creation, protection, and commercialization of intellectual property and to stimulate innovation. • To facilitate the transfer of knowledge and technology to intending users to promote utilization of such resources for benefit of the society. • To provide an administrative system to determine the commercial significance of discoveries and developments and to assist in bringing these into public use. Evidence of Success: Through the encouragement and creation of I-hub in the campus SRKREC initiated various start-ups in the campus. The students and staff of SRKREC are involved in all these Start-ups. The following start-up companies are established in the campus:

Provide the weblink of the institution

<http://www.srkrec.edu.in/files/mandates/naac/id/2018-19.pdf>

8.Future Plans of Actions for Next Academic Year

1. NBA accreditation for all UG programs 2. Participate in National institutional ranking framework (NIRF) ranking 3. Participate in Atal Ranking of

Institutions on Innovation Achievements (ARIIA) 4. Enhance the placement opportunities 5. Increase the number of publications in reputed journals and Acquiring more research grants.