## Governance, Administration and Athletics Committee

October 2018

## RADFORD UNIVERSITY

**Board of Visitors** 



## GOVERNANCE, ADMINISTRATION AND ATHLETICS COMMITTEE MEETING 3:45 P.M. \*\* OCTOBER 2, 2018 MARY ANN JENNINGS HOVIS MEMORIAL BOARD ROOM THIRD FLOOR, MARTIN HALL, RADFORD, VA

#### DRAFT AGENDA

• CALL TO ORDER Dr. Rachel D. Fowlkes, *Chair* 

• APPROVAL OF AGENDA Dr. Rachel D. Fowlkes, *Chair* 

• APPROVAL OF MINUTES Dr. Rachel D. Fowlkes, *Chair* 

o May 3, 2018

REPORTS

o Information Technology Report Mr. Danny M. Kemp, Vice President for

• Information Security Update Information Technology and Chief

• Multi-Function Device Update Information Officer

• Banner 9 Update

• Highlights since April 2018

o Intercollegiate Athletics Report Mr. Robert G. Lineburg, *Director of* 

Student-Athlete Experience Intercollegiate Athletics

Culture

• Academic Excellence

• Competitive Excellence

• Resource Development

Branding

Special Event

• **OTHER BUSINESS** Dr. Rachel D. Fowlkes, *Chair* 

o Name of Committee

• ADJOURNMENT Dr. Rachel D. Fowlkes, *Chair* 

\*\* All start times for committees are approximate only. Meetings may begin either before or after the listed approximate start time as committee members are ready to proceed.

#### **Committee Members**

Dr. Rachel D. Fowlkes, Chair

Ms. Georgia Anne Snyder-Falkinham, Vice-Chair

Dr. Thomas Brewster

Mr. Gregory A. Burton

Ms. Lisa Throckmorton

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# October 2018 Meeting Materials

## RADFORD UNIVERSITY

**Board of Visitors** 

## Information Technology Report

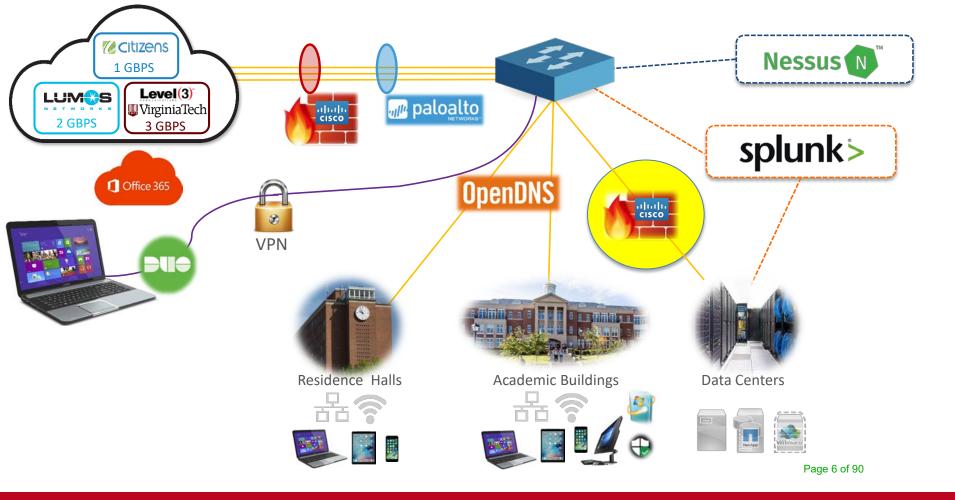
RADFORD UNIVERSITY

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October 2, 2018

## Agenda

- Information Security Update
- Multi-Function Device Update
- Banner 9 Update
- Highlights since April 2018



## Information Security - Current Projects

Project	Start Date	End Date
Implement Duo Two-Factor Authentication	9/25/17	Fall 2018
Update Information Security Standard	5/1/18	Fall 2018
JCHS/RU Merger	6/25/18	Fall 2019
Publish Incident Response Guide (CSIRT)	7/9/18	Fall 2018
Implement Splunk Enterprise Security	7/23/18	Fall 2018

## Information Security - Current Projects

Project	Start Date	End Date
Update System Diagrams	8/1/17	Summer 2019
Implement Identity Finder	9/26/17	Summer 2019
PHP/ASP Account/Site Review & Cleanup	7/2/18	Fall 2018
Vulnerability Scanning & Remediation	7/18/18	Fall 2018
Update Business Impact Analysis and Disaster Recover Plans (BIA/DRP)	7/18/18	Summer 2019

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## Information Security: Recent Accomplishments

- Completed the first phase setup of a Security Incident and Event Monitor (SIEM) system with Splunk Enterprise Security
- Updated the third-party vendor review procedure to ensure we adequately assess the risk of hosted systems and maintain the documents needed to satisfy an audit
- Segmented the student network and printers from the faculty/staff network to increase security and control access between the different user groups

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## Information Security: Duo Two-factor Authentication

- The Duo two-factor authentication project is on track with a requirement for all users (faculty, staff, students, alumni) to be enrolled by October 23, 2018.
- As of September 24, 2018, we have 3,107 users enrolled in Duo.
- DolT has held multiple information sessions with academic and administrative departments.
- A Duo website was created with an overview of the project and links to documentation.
- More than 30 articles were added to ITOneStop Knowledge Base to assist with enrollment, authentication and frequently asked questions.
- University Relations created a short video and digital signage content to illustrate how to enroll in Duo and why we are taking advantage of two-factor authentication; the video will be shared on social media and the main website.
- We will continue to have information sessions to aid in the adoption of Duo for our campus community.

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## Multi-Function Device (MFD) Update

- Five-year contract with Virginia Business Systems
- 168 BizHub MFD's (Copiers) replaced with Xerox devices. (July / August)
- Monthly Fixed Cost + Per Page Cost
- Training ongoing through the Fall semester
- Enhanced User Interface
- Touch Screen "App" functionality for future flexibility
- PaperCut implemented to help reduce unneeded print jobs and minimize accidental color printing
- printreleaf reforestation planting of one tree for every 8,333 sheets of paper





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## Banner 9 Update

#### @ ellucian.

- Radford University is upgrading in stages with Administrative Pages being first.
- Banner 9 project team continues to meet to ensure smooth transition.
- Team consists of both technical and functional area representatives.
- Production servers are deployed and optimized for performance by the database and infrastructure teams.
- Multiple system installs, configurations and upgrades have been completed to ensure the new development and production environments are fully secure and functional.
- Testing has been completed.
- End user training that began at August Our Turn was well attended and well received
- Training will continue throughout Fall 2018.
- Banner 9 Administrative Pages were moved to production September 24, 2018.
- Banner 8 INB is no longer be available for general use.
- Banner 8 Self Service Banner will not change at this time.

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## Discussion

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#### **Division of Information Technology (DoIT)**

### Highlights of Major Accomplishments April 4, 2018 – August 17, 2018

#### **Online Proctoring Pilot Update**

 Very positive feedback was gathered from the pilot program conducted during the spring semester using Respondus Monitor as an online proctoring tool. As of August 1, there were more than 30 courses using Respondus Monitor. Approximately 800 students took on-line assessments using Respondus Monitor.

#### **TurnItIn Plagiarism Detection and Grammar Checking**

A new plagiarism detection and grammar checking tool called TurnItIn was enabled in the D2L learning
management system in August. Training was provided during August Our Turn. Feedback thus far has
been very positive and faculty are very eager and excited about utilizing this tool. The DoIT has and
will continue to work in conjunction with the Harvey Knowledge Center and Office of Student Conduct to
ensure areas are aware of the tool and have the training and resources needed.

#### **Student Success System within D2L**

A suite of analytics tools called *Performance Plus* has been tested and enabled in the D2L learning
management system. The DoIT is working in conjunction with the department of Institutional Research,
Student Success and Retention, as well as a group of pilot faculty, to find out how to use these tools in
the most effective manner.

Some highlights of what the system is capable of:

- **Student Success System** uses predictive analytics and visual diagnostics to identify at-risk learners and help instructors take action.
- The *Insights* package helps create rich data visualization and intuitive reports to potentially improve learner outcomes.

#### **Disaster Recovery**

- The DoIT participated in another disaster recovery tabletop exercise in April 2018. In this exercise, the Division practiced roles of the Incident Response team structure to ensure that we had an Incident Manager, Communications Liaison and other roles working to resolve the issue.
- Due to an unexpected outage in May 2018, the Division actually used this organizational structure to respond quickly to a major incident and communicate effectively with the campus community.

#### **Library Support**

In June, the staff providing technology support to the Library were transitioned from Academic Affairs to
the Division of Information Technology. This change will enhance efficiencies and help reduce storage
and server requirements by eliminating some duplicate systems. The goal of this transition is to
continue providing at least the same level of IT services to the Library in a more efficient, cost effective
manner.

#### Cable TV Changes

- The dedicated Library channel 9 was removed. The Library will now supply all needed programming utilizing IP streaming. Cable TV channel 9 was repurposed and transitioned to the Bus Routing channel showing live bus locations throughout the campus and city.
- Channel 75.1 was created to serve Admissions in Russell Hall. This channel is for new students and their parents with messaging specifically directed to their interest.

#### **Upgraded Learning Spaces with new Technology**

- Davis 151, 201, 225
- McGuffey 223
- Peters B160, C116, C117, C136, C137, C142, C143, and C144
- Young Hall wired to new AV standard
- Waldron Hall wired to new AV standard
- Upgraded 14 computers in AV classrooms
- RHEC updated AV control programs and wired to new AV standard
- Roanoke DPT updated AV control programs and wired to new AV standard
- Kyle 215 Completed room upgrade including Rise computer and large LED displays.
- Kyle 163 Completed room upgrade including the addition of 5 LED televisions incorporating Zoom technology.
- Kyle Hall Rewired all breakout rooms and podiums.
- Preston Auditorium Completed upgrade with new high power projector and laptop inputs.

#### **Upgraded 40 Classrooms with Air Media Wireless Presentation Devices**

• Air Media provides instant access to computer presentation devices (no wires). This makes presentations more spontaneous and more shareable for students.

#### **Upgraded 30 Classrooms and Conference Rooms with new TV Tuners**

New TV Tuners have been added allowing greater flexibility to receive RU TV programming.

#### **Installed 15 LED Televisions**

• LED Televisions will eventually replace light projection systems as the preferred presentation device. These presentations are "brighter" and more pleasing to most classroom lighting environments.

#### **Installed new Zoom Video Conference Systems**

 Zoom is now the de-facto standard for Video Conference systems across campus. Zoom Room configurations were installed in: CHBS 3013, the Highlander Knowledge Center, CITL, Procurement, and Facilities Management.

#### **Updated 20 Campus Wireless Microphones to Frequencies with less Interference**

- Due to FCC changes, many of the wireless microphones in large meeting spaces needed to be updated to move them to a new frequency. These updates were completed in the following spaces:
  - o Muse − 3 Mics
  - Covington 2 Mics
  - Porterfield 2 Mics
  - Preston 8 Mics
  - Heth 2 Mics
  - Bonnie 3 Mics

#### **Nursing Simulation Center moved from RU West to Cook Hall**

• The DoIT provided support for the move of the Nursing Simulation Center from RU West to Cook Hall. This move resulted in the upgrade of all technology used to support this operation including new network wiring, new computers, a new camera system and new AV hardware.

#### **Finance Cardinal/CIPPS Project**

- The Commonwealth's Cardinal Payroll project has been delayed due to a scope change of the project to include a full Human Capital Management implementation.
- The Commonwealth's Personnel Management Information System (PMIS) and Benefits Eligibility System (BES) will now be included along with the replacement of the Commonwealth Integrated Payroll/Personnel System (CIPPS).
- The larger project scope is now in the analysis phase with the Cardinal project team in Richmond. Agency activities are not expected to resume until summer 2019.

#### **Technology Support for the IMPACT Program**

- DoIT continues to assist the IMPACT competency based education program with a variety of technology needs.
- Continue to work closely with the team to provide resources as needs arise.
- Assisted with the expansion of space.
- Enterprise Systems continues to work toward full automation of the admissions and registration processes.
- A new modern design and new web components have been developed for the IMPACT program to give
  the site an innovative and slightly different feel that is also in keeping with the branding of Radford
  University.

#### **Online Payroll Deduction**

- University Advancement staff worked closely with Enterprise Systems to create an online giving page for payroll deduction gifts by faculty and staff.
- Online Payroll Giving through Self Service Banner launched in July.

#### **Pre-registration**

- Enterprise Systems worked closely with Enrollment Management to support the summer 2018 Quest processes for new freshmen and transfers.
- Improved integration with Visual Zen and support of the implementation of pre-registration for Quest students assisted in the success of the university's new streamlined approach to summer orientation.

#### House Bill 1

- In July, students were removed from the online directory to comply with the new legislation with HB1.
- Fall check in processes were also modified to allow for students to acknowledge the sharing of data for official educational purposes within the university.

#### **Radford Retention Project**

- Phase 2 of the Radford Retention project using predictive analytics is complete.
- During summer 2018, additional statistical models were created by some faculty members in the Department of Information Technology and COBE. Additional data elements were added to the models.
- The newly refined models will be utilized to provide insight into student success and retention during the 2018/2019 academic year.

#### **Strategic Plan Progress Site**

 A web site has been developed to collect progress reports from the responsible parties working on tasks related to the 2018-2023 Strategic Plan. Progress reports will then be formatted and migrated to the progress display web site for public viewing.

#### Browser Security Features Implemented for radford.edu

Modern browsers have begun to implement additional security features and mandates to help secure the World Wide Web. In July, all sites that started with "http", instead of "https", would be marked as "not secure". When users go to these sites, they would be marked as such in the url box and if hovered over would display information indicating that these sites are not secure or are not encrypted through the use of an SSL certificate. There are many sites and pages from different sources that make up the radford site. These sites are publicly available and did not require encryption in the past. Now, regardless of the information on the sites, they will be encrypted.

#### **Web Server Content Security Policies**

Over the summer, Web Server Content Security policies were put in place on all web servers. This is a
security measure that will limit what can be run on the server and what can be pulled down from other
servers. This will minimize the damage that malicious activities can do to our sites and servers. It will
also prevent our site from being replicated on another site as a phishing attempt.

#### **Apple Device Management Tool Configured and In Use**

In an effort to simplify maintenance and enhance support of Apple computers and iPads, a new Apple
device management tool from JAMF has been configured and used in the latest Apple computer
deployments. All future Apple laptops will be managed with the JAMF system. This tool will assist with
configuration, patching, and software installation. The next phase of work will be to incorporate iPad
management.

#### **Technology Support Services Statistics**

- Processed 4,492 support requests between April 4, 2018 and August 17, 2018.
- There were 2,082 web enabled video conferences between April 4, 2018 and August 17, 2018. Participants from fifteen countries participated in these web enabled video meetings.

#### Lab/Classrooms

- New computers were installed in the following spaces:
  - Art Lab in Porterfield 211 (37 computers)
  - The Bonnie General Purpose Area (15 computers)
  - Cad lab in McGuffey 238 (26 computers)
  - Education Lab in Peters C144 (28 computers)
  - Geospatial Student Lab in Cook 124 (12 computers)
  - Information Technology Lab in Davis 114 (30 computers)
  - Library (18 computers)
  - Multimedia classroom (30 computers)
  - Teaching Resources Center in Peters C109 (15 computers)
  - Sim Lab New Location (55 computers)
  - Young 123 General Use and Instructor Teaching Lab (37 computers)

#### **Highlander Knowledge Center and CITL Relocation**

- Assisted in the completion of the remodeled space in McConnell Library
- Continue to assist with technology needs for those faculty/staff affected by this move

#### **Police Computer Aided Dispatch upgraded**

 Assisted in the completion of the upgrade of the Computer Aided Dispatch system used by the RU Police Department.

#### **CAS/Shibboleth Single Sign-On Project**

- Integrations were completed for Apogee and the IMPACT D2L test environment.
- Integration is underway for Accommodate.

#### **Home Drive Storage Migration**

 Home directories for students and a number of employees were migrated to new storage providing enhanced space and availability.

#### **Printing Services**

- Largest job: 74,000 Homecoming Postcards (UV coated)
- Total postcards since May 1: over 130,000
- Produced Governor's School month books and magazine class projects
- Provided support to campus events including Quest and Boy's State

#### **Project Management Support**

- There are more than 80 active Zoho users now using the portal including some non-IT staff to assist with managing projects.
- A standard process for defining project attributes and tracking progress in the Zoho Projects portal was developed.
- The project record template in Zoho was customized with new fields for classification, size and strategic priority.
- A project was kicked off to update, enhance and improve access to the DoIT Service Catalog.
- Project management guidelines and templates were added to ITOneStop Knowledge.

## Intercollegiate Athletics

RADFORD UNIVERSITY

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Board of Visitors October 2, 2018

## Agenda

- Student-Athlete Experience
- Culture
- Academic Excellence
- Competitive Excellence
- Resource Development
- Branding
- Special Event

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## Student-Athlete Experience

- Standards of care to ensure health and safety for specific concerns
- All-staff education
- Collaborative effort between sports medicine and sports performance
- Creating an environment that promotes the health, safety and well-being of the student-athlete

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### Culture

- NCAA infractions/enforcement process
- Main types/categories of recent major infractions cases
- Academic integrity issues
- International student-athletes
- Head Coach control
- Off-court conduct issues for coaches



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### **Academic Excellence**

### Spring 2018

- Perfect 4.0 32 student-athletes
- Dean's List 121 student-athletes
- Fourteen programs over 3.0
- Three programs over 3.5
- Highest team GPA volleyball 3.6 and women's cross country 3.6
- Department GPA 3.1



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## Competitive Excellence

#### **Big South Sasser Cup**

**Standings 2017-2018** 

Sasser Cup Award	Average
1 - Liberty	8.85
2 - Campbell	8.31
3 - High Point	8.28
4 - Radford	6.48
5 - Charleston Southern	5.86
6 - Winthrop	5.60
7 - UNC Asheville	5.02
8 - Gardner-Webb	4.45
9 - Longwood	4.25 Page 24 of 90
10 - Presbyterian College	3.88

## Competitive Excellence

- Men's Soccer tabbed 2<sup>nd</sup> in Big South Conference poll;
   Kieran Roberts named attacking player of the year
- Women's Soccer picked 4<sup>th</sup> in Big South Conference poll
- Volleyball picked 2<sup>nd</sup> in Big South Conference poll; Haley Kleespies and Stephanie Neast named preseason all-conference squad
- Both the Radford men's and women's cross country teams were selected inside the top six of the Big South Conference polls.





## Resource Development

#### Goals for 2019-2020 Fund Drive Year:

- Total New Pledges and Gifts to Highlander Club
- Membership in Radford Athletics Club



\$1,200,000

1,500 Members

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## Resource Development

Radford Sports Properties Revenue (2017-18):

Overall Revenue: \$354,125 (\$257,875 cash, \$96,250 trade)

Radford Sports Properties Revenue Update (2018-19):

Overall Revenue: \$292,840 (\$205,340 cash, \$87,500 trade)

Overall Percentage to Budget: 76% (\$385,000)

• Cash Revenue Target: 71% (\$290,000)

• Trade Revenue Target: 92% (\$95,000)

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## **Branding**

#### Licensing Revenue:

- FY18 \$81,803
- FY17 \$76,130

FY18 - 8% increase over previous year



#### What's New?

- Launch of the new Heritage Collection coming this fall
- ESPN+ Package: Radford Athletics will produce over 80 live events that will be streamed through the new ESPN+ platform. The events are paid subscription. Everything will be produced in-house.

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## **Special Event**



2018 RADFORD ATHLETICS
HALL OF FAME
INDUCTION CEREMONY
FRIDAY, OCTOBER 19
6:30 PM (RECEPTION) | 7 PM (DINNER)

PRESENTED BY VCOM

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# May 2018 Minutes

## RADFORD UNIVERSITY

**Board of Visitors** 



### GOVERNANCE, ADMINISTRATION AND ATHLETICS COMMITTEE MEETING 4:00 P.M.

May 3, 2018

### MARY ANN JENNINGS HOVIS MEMORIAL BOARD ROOM THIRD FLOOR, MARTIN HALL, RADFORD, VA

#### **DRAFT**

#### **Minutes**

#### **COMMITTEE MEMBERS PRESENT**

Dr. Rachel D. Fowlkes, Chair

Ms. Georgia Anne Snyder-Falkinham, Vice-Chair

Mr. Gregory A. Burton

Mr. James R. Kibler, Jr.

Mr. Steve A. Robinson

Ms. Lisa Throckmorton

#### OTHER BOARD MEMBERS PRESENT

Mr. Mark S. Lawrence, Rector

Mr. Randy J. Marcus, Vice Rector

Mr. Robert A. Archer

Dr. Jay A. Brown

Dr. Debra K. McMahon

Ms. Karyn Moran

Dr. Susan Whealler Johnston

Dr. Jake Fox, Faculty Representative (Non-voting Advisory Member)

Ms. Jessica Wollmann, Student Representative (Non-voting Advisory Member)

#### **OTHERS PRESENT**

President Brian O. Hemphill

Mr. Richard Alvarez, Vice President for Finance and Administration

Ms. Stephanie Ballein, Senior Associate Athletic Director

Ms. Sharon Barrett, Director of Athletics and Auxiliary Business Services

Mr. Joe Carpenter, Vice President of University Relations and Chief Communications Officer

Ms. Kenna Colley, Interim Provost and Vice President for Academic Affairs

Mr. Scott Davis, Associate Athletic Director for Advancement

Mr. Cory Durand, Associate Athletic Director for External Operations

Ms. Stephanie Jennelle, Associate Vice President for Finance and University Controller

Dr. Angela Joyner, Executive Director of Career Services

Dr. Eric Lovik, Director of Institutional Research

Ms. Margaret McManus, University Auditor

Mr. Ed Oakes, Associate Vice President for Information Technology

Mr. Chad Reed, Associate Vice President for Budget and Financial Planning

Ms. Ashley Schumaker, Chief of Staff, Office of the President

Ms. Laura Turk, Executive Director of Alumni Relations

Mr. Allen Wilson, Senior Assistant Attorney General, Commonwealth of Virginia

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#### **CALL TO ORDER**

Dr. Rachel D. Fowlkes, Chair, called the meeting to order at 3:45 p.m. in the Mary Ann Jennings Hovis Memorial Board Room on Third Floor, Martin Hall at Radford University, Radford, Virginia.

#### **APPROVAL OF AGENDA**

Dr. Fowlkes, Chair, asked for a motion to approve the May 3, 2018 agenda, as published. Ms. Georgia Anne Snyder-Falkinham so moved, Mr. James Kibler seconded the motion and the agenda was unanimously approved, as published.

#### APPROVAL OF MINUTES

Dr. Fowlkes asked for a motion to approve the minutes of the February 15, 2018 meeting of the Governance, Administration and Athletics Committee, as published. Ms. Snyder-Falkinham so moved, Mr. Gregory Burton seconded the motion and the minutes were unanimously approved, as published.

#### INFORMATION TECHNOLOGY REPORT

Mr. Danny M. Kemp, Vice President for Information Technology and Chief Information Officer, presented the EDUCAUSE top 10 IT issues, beginning with a short video identifying the issues of: Information Security, Student Success, Institution-wide IT Strategy, Data-enabled Institutional Culture, Student-centered Institution, Higher Education Affordability, IT Staffing and Organizational Models, Digital Integrations, Data Management and Governance and Change Leadership. With each issue, current Radford University strategies for prevention and/or solutions were provided. Mr. Kemp noted that a full list of the current strategies, along with highlights of the division's accomplishments from January 15, 2018 through April 4, 2018, is included in the Board materials. A copy of the report is attached hereto as *Attachment A* and is made a part hereof.

#### INTERCOLLEGIATE ATHLETICS REPORT

Mr. Lineburg recognized Jessica Wollmann, a student-athlete and Student Representative to the Board of Visitors; Stephanie Ballein, Senior Associate Athletics Director; Sharon Barrett, Associate Athletics Director for Business and Finance; and Scott Davis who joined Radford in March as the new Associate Athletic Director for Advancement.

Mr. Lineburg presented highlights from the Women's Outdoor Track and Field, Men's and Women's Tennis, Baseball, Softball and Men's and Women's Golf. He also reviewed the impact of hosting the Big South Tournament Championship. An update was provided on resource development with new pledges and gifts to the Highlander Club totaling over \$1.2 million. The properties revenue surpassed 2016-2017 revenue total (\$268,050) by \$86,000.

Highlander Pride Weekend took place on April 26, 2018 with the Red and White Gala, Highlander Open on April 27, 2018 and ending the weekend on April 28, 2018 with the Highlander Half Marathon with more than 9,000 in attendance. Total money raised for the weekend was \$77,000. All of the money raised goes to the student-athlete scholarship fund. A copy of the report is attached hereto as *Attachment B* and is made a part hereof.

#### **RECOMMENDATION FOR RECTOR AND VICE RECTOR FOR 2018-2019**

Dr. Fowlkes stated that nominations have been received for Rector and Vice Rector for 2018-2019 with Mr. Mark Lawrence as Rector and Mr. Robert Archer as Vice Rector. Dr. Fowlkes asked for a motion to forward these nominations to the Board of Visitors. Ms. Lisa Throckmorton Robert Ms. Snyder-Falkinham seconded the motion and the motion passed unanimously.

#### **OTHER BUSINESS**

Following discussion from the February 2018 Board of Visitors meetings, Dr. Fowlkes asked for a motion to move forward with the Committee name changes. The Academic Affairs Committee would be changed to the Academic Excellence and Research Committee and the Student Affairs Committee would be changed to the Student Success Committee. Mr. Steve Robinson so moved, Ms. Lisa Throckmorton seconded the motion and the motion passed unanimously.

Dr. Fowlkes provided a summary of her recent attendance to the National Conference on Trusteeship sponsored by the Association of Governing Boards of Universities and Colleges. She also encouraged other members to attend in the future.

#### **ADJOURNMENT**

With no further business to come before the Committee, Dr. Fowlkes requested a motion to adjourn. Ms. Snyder-Falkinham so moved, Ms. Lisa Throckmorton seconded and the motion carried unanimously. The meeting adjourned at 5:02 p.m.

Respectfully submitted,

Sharon Ratcliffe

Executive Assistant to the Vice President for Information Technology

## Information Technology

RADFORD UNIVERSITY

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Board of Visitors May 3, 2018

## Agenda

 EDUCAUSE 2018 Top 10 IT Issues along with current strategies the Division of Information Technology at Radford University is using to address the issues

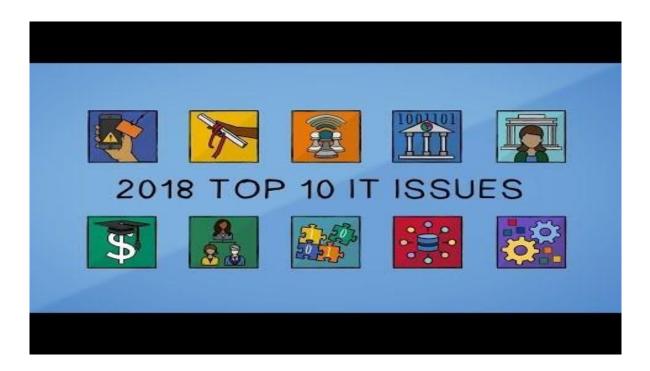
 Highlights of Major Accomplishments from January 15 to April 4, 2018

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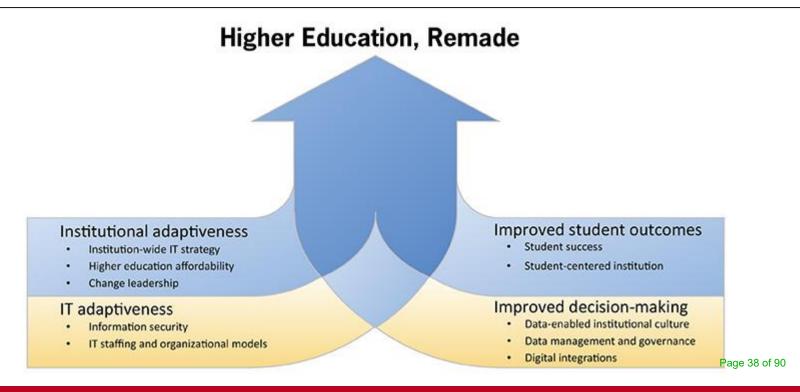
## **EDUCAUSE 2018 Top 10 IT Issues**

EDUCAUSE is a nonprofit association with the mission to advance higher education through the use of information technology.

- Membership comprises more than 2,300 colleges, universities and educational organizations
- Over 415 corporations
- More than 99,000 individual participants



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#### **Institutional Adaptiveness**



## Institution-wide IT Strategy:

Repositioning or reinforcing the role of IT leadership as an integral strategic partner of institutional leadership in achieving institutional missions



## Higher Education Affordability:

Balancing and rightsizing IT priorities and budget to support IT-enabled institutional efficiencies and innovations in the context of institutional funding realities

#### Change Leadership:

Helping institutional constituents (including the IT staff) adapt to the increasing pace of technology change

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#### **Improved Student Outcomes**



#### **Student Success:**

Managing the system implementations and integrations that support multiple student success initiatives



#### **Student-centered Institution:**

Understanding and advancing technology's role in defining the student experience on campus (from applicants to alumni)

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#### Improved Decision-Making



#### Data-enabled Institutional Culture:

Using BI and analytics to inform the broad conversation and answer big questions



## Data Management and Governance:

Implementing effective institutional data governance practices



#### Digital Integrations:

Ensuring system interoperability, scalability, and extensibility, as well as data integrity, standards, and governance, across multiple applications and platforms, 41 of 90

#### IT Adaptiveness



#### Information Security:

Developing a risk-based security strategy that keeps pace with security threats and challenges



#### IT Staffing and Organizational Models:

Ensuring adequate staffing capacity and staff retention in the face of retirements, new sourcing models, growing external competition, rising salaries, and the demands of technology initiatives on both IT and non-IT staff

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1. Information Security



6. Higher Education Affordability



2. Student Success



7. IT Staffing and Organizational Models



3. Institution-wide IT strategy



8. (tie) Digital Integrations



4. Data-enabled Institutional Culture



8. (tie) Data Management and Governance



5. Student-centered Institution



10. Change Leadership

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## Discussion

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## **Supporting Materials**

3. Institution-wide IT Strategy: Repositioning or reinforcing the role of IT leadership as an integral strategic partner of institutional leadership in achieving institutional missions

"Our institution-wide IT plan deliberately aligns with the institution's mission. Since it is structured around three pillars of research, education, and community, everyone can see themselves in the plan. This approach creates a heightened opportunity for stakeholders to engage deeply with the IT organization in understanding how information systems directly impact the institution's goals."

—Mark Roman, Chief Information Officer, Simon Fraser University

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#### Current RU Strategies - Institution-wide IT Strategy

- Vice President for Information Technology and CIO reports to the President and is a member of the Executive Cabinet and the Leadership Council.
- IT leadership is positioned to help shape academic and administrative directions.

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6. Higher Education Affordability: Balancing and rightsizing IT priorities and budget to support IT-enabled institutional efficiencies and innovations in the context of institutional funding realities

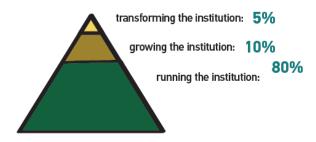
"People can see an institution's physical deferred maintenance and understand the importance. Most people can't see the digital infrastructure deferred maintenance challenge that is equal. If we don't successfully address the institutional digital infrastructure, it can have a significant impact on our educational mission as well as have reputational damage."

—Justin Sipher, Vice President, Libraries and Information Technology, St. Lawerence University

## #6 HIGHER EDUCATION AFFORDABILITY

Balancing and rightsizing IT priorities and budget to support IT-enabled institutional efficiencies and innovations in the context of institutional funding realities

Among U.S. institutions reporting to the EDUCAUSE Core Data Service, the median percentage of total central IT spending on...



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#### **Current RU Strategies - Higher Education Affordability**

- Maintaining the emphasis on investing in IT rather than IT spending
- Maintaining centralized IT to allow for sharing of services
- Partnering with other Universities
- Focusing on student enrollment, student success, fund raising, and efficiencies
- Other cost reduction strategies
  - Reviewing maintenance agreements and software licenses
  - Reviewing lab utilization data
  - Hiring temporary contractors rather than full-time staff for special projects
  - Leveraging capabilities in existing applications to enhance efficiencies
  - Moving more applications and systems to the cloud when appropriate
  - Realigning resources when needed to meet demands

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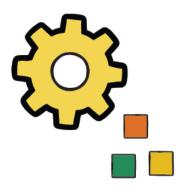
10. Change Leadership: Helping institutional constituents (including the IT staff) adapt to the increasing pace of technology change

"The only thing constant is change. The pace of change is increasing and we have to ready the institution and our staff for that."

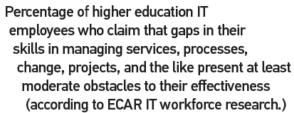
—Raechelle Clemmons, Chief Information Officer, Davidson College

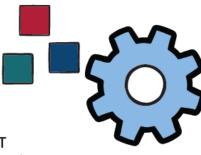
#### #10 CHANGE LEADERSHIP

Helping institutional constituents (including the IT staff) adapt to the increasing pace of technology change



**28%** 





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#### Current RU Strategies - Change Leadership

- Consulting with faculty and academic leadership to understand and support innovations and changes in higher education
- Attend conferences, training workshops and webinars to learn about new technologies
- Providing tools for enhanced on-line collaboration (e.g., Office 365 Groups, Zoom video)
- Providing faculty and staff support with training opportunities and one-onone consulting
- Utilizing the monthly DoIT newsletter to communicate changes in IT
- Benefiting from feedback on implementing new technology from the Information Technology Advisory Committee

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2. Student Success: Managing the system implementations and integrations that support multiple student success initiatives

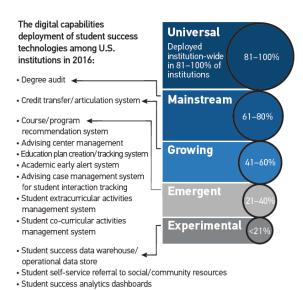
"It has only been a few short years since advising and analytics platforms were initially launched. Since then, however, these technologies and the knowledge base have evolved tremendously. Accordingly, institutions that are just now getting started can expedite implementation, accelerate outcomes, and thus add value faster."

Richard Sluder, Vice Provost for Student Success and Dean of University College,
 Middle Tennessee State University

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#### **#2 STUDENT SUCCESS**

Managing the system implementations and integrations that support multiple student success initiatives



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### **Current RU Strategies - Student Success**

- Implementing data collection and analysis tools to predict student success or risk, with the goal of alerting those who can intervene, and assess the effectiveness of those interventions
- Maintaining systems that support advising and other student services (Starfish)
- Providing tools that support teaching and learning (D2L)
- Enhancing D2L with additional features such as analytics
- Supporting degree audit and transfer articulation systems
- Piloting online proctoring tools for online exams

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5. Student-centered Institution: Understanding and advancing technology's role in defining the student experience on campus (from applicants to alumni)

"Remember why we are here: we are here for the students. IT student success initiatives should be directly tied to the student experiences."

—Vanessa Hammler Kenon, Assistant Vice Provost, Information Technology, University of Texas at San Antonio

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## #5 STUDENT-CENTERED INSTITUTION

Understanding and advancing technology's role in defining the student experience on campus (from applicants to alumni)



of U.S. institutions have a system to track co-curricular activities



27%

of U.S. institutions have a system to track/manage extracurricular activities

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#### Current RU Strategies - Student-centered Institution

- Provides state-of-the-art learning spaces
- Provides student-friendly mobile app and MyRU portal
- Implemented a non-emergency texting system (Mongoose)
- Implemented a system for the Center for Career and Talent Development (Handshake)
- Implemented an online transcript system for the Office of the Registrar (Parchment)
- Providing a virtual lab
- Implemented a system for Student Affairs to manage extracurricular activities (OrgSync)
- Provides MS Office 365 collaboration suite of tools
- Implemented the new ePortfolio system along with the CITL (Portfolium)
- Enhanced Wi-Fi in residence halls
- Provides enhanced technical support during move-in
- Partner with academic departments to offer internships

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4. Data-enabled Institutional Culture: Using BI and analytics to inform the broad conversation and answer big questions

"Our institutional president adopted a concept of data democratization. This is changing the culture of discussions between faculty and staff before decisions are made. She really set the tone for transparency, lowered the walls of silos, and supported organizational learning."

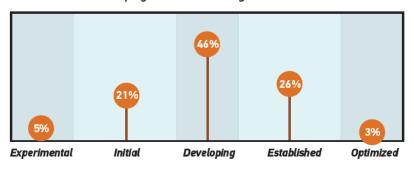
—Ahmed El-Haggan, Vice President for Information Technology and CIO, Coppin State University

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## #4 DATA-ENABLED INSTITUTIONAL CULTURE

Using BI and analytics to inform the broad conversation and answer big questions

The EDUCAUSE Maturity Index for analytics shows that most institutions are developing a decision-making culture.



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#### Current RU Strategies - Data-enabled Institutional Culture

- Viewing data as a strategic enterprise asset to be leveraged to benefit institutional strategic objectives
- Developing effective methods for improved enterprise reporting and analytics to ensure they are relevant to institutional priorities and decision making
- Working to empower users with the ability to produce reports using Cognos Analytics
- Partnering with faculty and Institutional Research to enhance our predictive analytics model for student retention
- Establishment of the Enrollment Data Council

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8. (tie) Data Management and Governance: Implementing effective institutional data governance practices

"It's important to realize that you are also changing culture. This isn't just about filling out forms or defining terms. There is a significant cultural aspect about who owns which data elements and looking at data as an institution-wide asset."

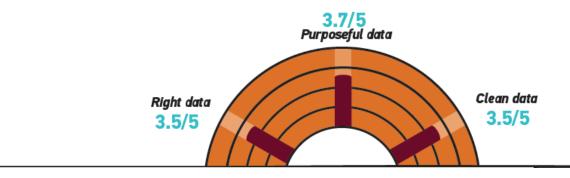
—David Weil, Associate Vice President and Chief Information Officer, Information Technology, Ithaca College

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## #8 (TIE) DATA MANAGEMENT AND GOVERNANCE

Implementing effective institutional data governance practices

The maturity levels of analytics data efficacy at the median U.S. institution are still developing.



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#### Current RU Strategies - Data Management and Governance

- Viewing data as a strategic enterprise asset
- Managing data through data governance and data administration
  - Established a Systems Operations Committee (SOC)
  - Formed a Data Standards Subcommittee
  - Identified Data Owners for all sensitive systems
- Improving the integrity of data with systems integration
- Protecting data through the use of Information Security best practices

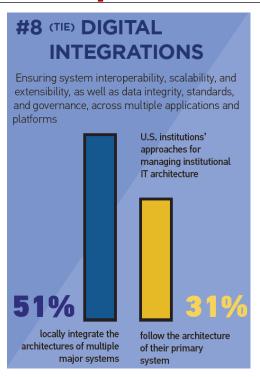
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8. (tie) Digital Integrations: Ensuring system interoperability, scalability, and extensibility, as well as data integrity, standards, and governance, across multiple applications and platforms

"Data is the context engine of AI. Having a single source of truth with regard to data is critical."

—Steve diFilipo, Chief Information Officer, Institute for Transformational Learning, University of Texas System

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#### **Current RU Strategies - Digital Integrations**

- Currently developing scripts to move data from one system to another for processing and reporting
- Implementing an integration platform (N2N) that will streamline the development of these integrations
- Implemented Shibboleth single-sign-on
- Implementing a new Identity and Access Management
   System

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1. Information Security: Developing a risk-based security strategy that keeps pace with security threats and challenges

"This is a swimming pool with no shallow end. Security professionals excel at identifying and offering mitigations for information security risks. But the sheer volume of mitigation tasks leaves smaller institutions overwhelmed: Having already consumed significant resources just to identify risks, small schools struggle to find a sustainable pathway forward."

—Joshua Singletary, Chief Technology Officer, Albany College of Pharmacy and Health Sciences

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# The top IT issue for 2018 is #1 INFORMATION SECURITY

Developing a risk-based security strategy that keeps pace with security threats and challenges



of all U.S. institutions that have conducted a risk assessment did so for planning and prioritizing institutional information security work.

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#### **Current RU Strategies - Information Security**

- Requiring annual Information Security Awareness training
- Performing routine risk assessments
- Reviewing and revising Information Security Policies and Standards
- Implementing new network security tools
- Monitoring network traffic, logging and scanning for vulnerabilities
- Requiring data encryption
- Providing anti-virus/anti-spam software
- Ensuring compliance of third-party vendors
- Implementing two-factor authentication

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## **EDUCAUSE 2018 Top 10 IT Issues**

7. IT Staffing and Organizational Models: Ensuring adequate staffing capacity and staff retention in the face of retirements, new sourcing models, growing external competition, rising salaries, and the demands of technology initiatives on both IT and non-IT staff

"I think we do a lot of good things in silence. I'd like to see IT leaders talking more about their methods, sharing what it working for them and making sure that their colleagues understand the work efforts that go into IT staff retention and employee satisfaction."

—Sharon E. Blanton, Vice President and CIO, The College of New Jersey

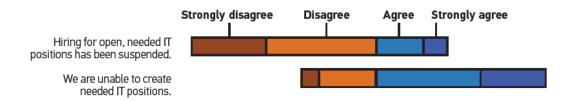
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### **EDUCAUSE 2018 Top 10 IT Issues**

# #7 IT STAFFING AND ORGANIZATIONAL MODELS

Ensuring adequate staffing capacity and staff retention in the face of retirements, new sourcing models, growing external competition, rising salaries, and the demands of technology initiatives on both IT and non-IT staff

ECAR workforce research found that there is demand for IT professionals in higher education, but there are obstacles to creating new IT positions.



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### Current RU Strategies - IT Staffing and Organizational Models

- > 4.5% of RU IT staff pursued employment elsewhere in 2016
- > 4.5% of RU IT staff pursued employment elsewhere in 2017
- IT workforce is changing fewer programmers and developers and more vendor and service managers, business analysts, architects, integrators and data scientists
- Working with Human Resources to strengthen applicant pools and address salary inequities
- Allowing staff in appropriate positions to telework
- Providing opportunities for staff to work on challenging projects
- Investing in IT staff education and professional development to stay current
- Cross training and "blending" of responsibilities within teams
- Creating an organizational culture and staff development strategies flexible enough to support innovation and accommodate change
- Utilizing modern application development tools to increase efficiency
- Dedicating staff resources to integrations
- Realigning resources when needed to meet demands

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### **End of Supporting Materials**

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### **Division of Information Technology (DoIT)**

#### Highlights of Major Accomplishments January 15, 2018 – April 4, 2018

#### **Information Security Officer Certification**

• The ISO completed the GIAC Security Essentials Certification (GSEC), joining only 22,092 other security professionals around the world with this certification. The GSEC provides the learner with a base of knowledge in all areas of information security to quickly familiarize oneself with the landscape of threats and vectors used for system compromise and data theft.

#### **End User Training/SANS Security Awareness**

The migration to a more robust end user security awareness training solution offered by SANS Security
Awareness has been completed. This replaces the old MOAT training system. Since February, 1,009
employees and contractors have been enrolled in the system. Feedback has been overwhelmingly
positive at the content and length of the training. The remaining campus employees and student
workers will be enrolled in the coming months.

#### Security Logging

 In the process of re-architecting our security logging system to one that is more stable and usable for the Division. This includes defining threat-hunting procedures to provide value to the information that is logged as well as creating internal incident response procedures and plans to act upon the data gathered.

#### **Disaster Recovery**

 Selected DoIT staff participated in the Incident Command System (ICS) course provided by Emergency Preparedness. In the course, an Incident Management Team was defined to respond to emergencies and outages. Another tabletop disaster recovery exercise is planned for the end of April and a functional exercise is being planned for the summer in order to incorporate regular incident response activities.

#### Adapting to New Legislation

 Met with internal audit and our general counsel to better understand the European Union's General Data Protection Regulation (GDPR) as it goes into effect in May 2018. Staying ahead of this requirement will ensure we have no issues with study abroad or international students from the European Union.

#### Cyber Defense Club

 The ISO attended the Cyber Fusion competition, hosted by the Virginia Cyber Range, at VMI and coached Radford University's Cyber Defense club. Both the competing team and observing team placed 3<sup>rd</sup> in the commonwealth against other schools.

#### **Undergraduate Admissions Common App**

- Training was completed in March by Enterprise Systems in conjunction with Undergraduate Admissions to begin implementation of the Common Application.
- Planning is underway for a new interface between the Common App and the Banner ERP.

#### **Banner 9**

- The testing environment for Banner 9 Administrative pages is completed.
- The Banner 9 Functional and Technical Project teams are established and meeting weekly.
- End user testing is underway with a planned go-live date of September 2018.

#### **Finance Cardinal/Cipps Project**

- Feedback has been received from the Cardinal Payroll Change Network for RU's mock conversions
  from Banner and changes are being made to processing to prepare for the next mock conversion in
  August 2018.
- Interface test files have been submitted by RU and are under review by the Cardinal Payroll Change Network interface team.
- The implementation date for Cardinal Payroll is March 2019.

#### Finance eStore Implementation

- The Nelnet eStore application was implemented successfully and is currently being used by Conference Services.
- This spring Academic Affairs will begin utilizing eStore for professional development event registrations.

#### **Human Resources PeopleAdmin Upgrade to Select Suite**

• Processes are in the final testing phase to completely automate the Select Suite to Banner interface.

#### **Scheduling Office Support**

- The interface between AdAstra and the Event Management System was completed in February.
- Scheduling of all available space was transferred to the Scheduling Office as planned after spring census.

#### **Starfish**

- The Starfish Data Exporter tool is being purchased to support an interface between the Banner ERP and Starfish. Development is currently being planned for the automation of this interface.
- Enhanced reporting options for student success and retention analysis should be available this summer.
- Testing is being completed for graduate students to be added to the system.

#### **RU** Involved

- The OrgSync platform utilized by the Division of Student Affairs has been purchased by Campus Labs and will be replaced with a new tool called Engage.
- Development is underway for a new interface to automate the flow of data between Engage and the Banner ERP.
- The migration is expected to be completed this summer.

#### **Ellucian Analytics**

• Ellucian Analytics has been purchased and will be implemented for use in FY19. Technical resources have been assigned and the implementation is expected to be completed July 1.

#### **Online Payroll Deduction**

• A Self Service Banner page is being finalized that will provide an online process for RU employees to make donations to the University through payroll deduction.

#### **Mongoose Non-emergency Texting Implementation**

• The Mongoose Texting Solution for Higher Education was implemented for use by various administrative offices as another way to communicate with current students. The Registrar's office, Financial Aid and Residential Life have participated in training, which has enabled them to begin communicating with students with text messages. Email and social media campaigns were held to encourage students to opt-in to this system to receive important messages. The offices using the system are already experiencing higher levels of engagement with students through these targeted text messages.

#### **ITOneStop Undergoes Dramatic User Interface Upgrade**

 The ITOneStop site, which houses the DoIT Knowledge Base and Help Desk functionality, has been transformed into a more modern, intuitive service portal. ServiceNow, the IT service management system, provides the platform allowing DoIT to provide access to services and information with an easy to use interface. This new portal will allow DoIT to add services, information and online forms more easily and quickly.

#### Campus Electronic Learning Spaces

• Updated nine electronic classrooms with laser projectors.

#### Radio Station WVRU Biannual FCC Filing

- The required Biannual FCC broadcast station filing was submitted by the March 1, 2018 deadline.
- In addition, the official WVRU "Public File" has been transferred to a FCC website that will now provide consumers direct access for comments. This move had a March 1 deadline, which was also met.

#### **Reed-Curie Renovation**

AV planning continues.

#### **Library Support**

- Work continues on both LARC and CITL moves to the library.
- Library TV channel 9 control center moved to the Library 5<sup>th</sup> floor.

#### **Technology Support for the IMPACT Program**

- DoIT continues to assist the IMPACT competency based education program with a variety of technology needs.
- DoIT worked closely with the IMPACT team members to assist with the installation, configuration and integration of Desire 2 Learn and Kaltura as the learning management system for the IMPACT program. This new system went live for new IMPACT students in March.
- Work is also underway to update the admissions application IMPACT learners use to apply to the program and automate the integration of this information with Banner.
- With IMPACT now being operational in the RU Corporate Park, AV facilities were implemented in some locations to support instruction and office communications.
- Printing Services supported IMPACT with programs, multiple framed photos, installed graphics for the lab dedication, as well as brochures and large presentation posters for ASSET.

#### **Online Proctoring Pilot**

 A pilot program was established for the spring semester using Respondus Monitor as an online proctoring tool. Online proctoring uses a webcam and microphone to record the actions of a student while they are taking an online exam. Eleven faculty with fourteen active courses are currently making use of the pilot system.

#### **Identity Management System Replacement Underway**

In late January, a contract was signed with Fischer Identity to replace the Aegis Trident identity
management system. The identity management system is used to provision and de-provision access
to university IT resources. An engineer from Fischer was on-site during March to collect information for
the design and configuration of this system with implementation expected in early summer.

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#### **DUO 2 Factor Authentication**

Implementation of 2 Factor Authentication using DUO for web-based services has moved to the next
phase with faculty and staff now eligible for optional enrollment. Informational sessions for campus
departments are now being coordinated to provide an overview and encourage people to begin using
the system.

#### **Technology for Nursing Clinical Simulation Center**

• Final design and implementation work is underway to support the move of the Nursing Clinical Simulation Center from the RU Corporate Park to Cook Hall. Network wiring will take place in late April with installation of a new monitoring and recording system scheduled for early summer.

#### Office 365 Groups Available to Campus Departments

 Office 365 Groups provide a cloud based collaborative workspace for users to share notebooks, files, calendars and other materials. In March, DoIT began allowing campus departments and groups to request an Office 365 Group space. Training sessions and group consultations also began in March.

#### **Apple Device Management Tool**

In an effort to simplify maintenance and enhance support of Apple computers and iPads, a new Apple
device management tool from Jamf has been acquired. This tool will assist with the configuration,
patching and software installation on university owned Apple devices. Installation and configuration of
this system is planned for April. The system will be used to assist with the rollout of new Apple
computers over the summer.

#### **Zoom Web Conferencing Presentation for ACCS Conference**

Technology Support Services provided a presentation on Zoom Rooms at the ACCS Conference
(Association of Collegiate Computing Services of Virginia) in March. This presentation provided an
overview of our Zoom implementation as well as the use of the Zoom Room functionality. Radford is
the earliest adopter of the Zoom Room feature among those in attendance at the conference.

#### **Replacement of Campus Copiers**

• The contract for campus copiers expires in July of 2018. A new contract has been established through a competitive RFP process. Planning is currently underway for the replacement of campus copiers during the summer of 2018.

#### **Technology Support Services Statistics**

- The IT service management system has been migrated to Jakarta version 2. This was a major upgrade providing additional features for Third Party Vendor Risk Management/Governance.
- Processed 4,327 support requests between January 15 and April 4.
- 20 technology-training workshops were offered to provide faculty and staff with opportunities to enhance their technology skills.
- 272 web enabled video meetings were conducted between January 15 and April 4.

#### **New Envelope Printer in Printing Services**

 A new Okidata 5-color printer was received and installed enhancing envelope capabilities and further reducing the dependency on older printing presses. This device provides a new capability of white and full-color output on dark colored media.

#### **Large Print Jobs**

- 95,000 Postcards (including 69,000 UV-coated save-the-dates for Alumni Homecoming)
- Supported the Men's Basketball championship efforts with a last-minute order for media guides

RADFORD UNIVERSITY

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Board of Visitors May 3, 2018

# Agenda

- Highlander Highlights
- NCAA Tournament

- Resource Development
- Special Events

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### **Highlander Highlights**

#### Women's Outdoor Track and Field

Amelia Reynolds has been named Big South Female Track Athlete of the Week two times

#### **Women's Tennis**

Drousile Dzeubou – Big South First Team Singles

Natalie Sayer – Big South All-Academic Team (Three-time)

#### Men's Tennis

Alexandros Caldwell – Big South All-Academic Team (Two-time)

#### <u>Baseball</u>

Hunter Williams – Perfect Game Big South Freshman of the Year

#### <u>Softball</u>

Posted multiple wins over ACC programs for the second consecutive seasons with wins over VT and UVA

#### **Women's Golf**

Khushboo Thiagaraj was named to the Big South All-Tournament Team

Kasidy Beckel was named Big South All-Academic for the second season in a row

#### Men's Golf

Myles Creighton has finished inside the Top 10 in nine consecutive spring tournaments dating back to last season



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### Men's Basketball Big South Conference and NCAA Tournament

- Impact of hosting the Big South Tournament Championship
- Branding for the Athletic Department and University
- Revenue
  - -NCAA Unit (two for 6 years)
  - -Merchandise & Royalties
  - -Corporate Partners
  - -Private Giving



#### Women's Basketball WNIT

First Big South team to win a WNIT game since 2013



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#### **Resource Development**

#### Goals For 2017-2018 Fund Drive Year:

Total New Pledges and Gifts to Highlander Club

Membership in Radford Athletics Club

\$1,200,000

1,500 Members

#### Fund Year To Date:

Gifts and Pledges

Membership in Radford Athletics Club

\$1,209,556

831 Members

#### Historical Gifting and Highlander Club Membership:

<u>Year</u>	Gifting	<u>Members</u>
2016-17	\$934,354	1,069
2015-16	\$863,242	451
2014-15	\$520,395	280
2013-14	\$585,958	310

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### **Resource Development**

Radford Sports Properties Revenue Update:

Overall Revenue: \$354,125 (\$257,875 cash, \$96,250 trade)

Overall Percentage to Budget: 107% (\$330,000)

Cash Revenue Target: 112% (\$230,000)

Trade Revenue Target: 96% (\$100,000)

Surpassed 2016-17 revenue total (\$268,050) by \$86,000



### **Special Events**

#### HIGHLANDER PRIDE WEEKEND

Thursday, April 26

Friday, April 27

Saturday, April 28



Red & White Gala (Farmhouse; 6-9 p.m.)

Highlander Open (River Course; 1 p.m. Shotgun Start)

Highlander Half Marathon (8 a.m.)

Highlander 5K (9:30 a.m.)

Post-race Festival (Bisset Park)



# Discussion

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### End of Board of Visitors Materials

